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Bored story – The old and new challenges of the board

You're holding the first yearbook of EESTEC. This is one demonstration of the consistent work of our board and the previous boards and also of the growth of EESTEC. Few years ago this would not have been possible. Looking back at this year, I have to say that this has been a great year for EESTEC!

A lot has happened from the very beginning of EESTEC. In the beginning it was just few friends with a great idea and now we already have 28 different Local Committees. Now EESTEC has really achieved a considerable size and we are facing many new challenges. Earlier the main challenge was to get new LCs, to grow bigger and to gain some publicity. This year we have had a couple of demonstrations of the fact that we interest sponsors and now we are facing the challenge of making the best of it. We are also facing challenges with the growing of events. In the next Congress we'll probably have almost 100 participants and even more in the next. The numbers are forcing us to become more professional.

The boards work this year has concerned hardly on the economies of scale. The bigger size gives us a lot of benefits but means a lot more work. One of the benefits is that we'll attract more publicity. The companies will be interested in sponsoring us and therefore we'll be able to develop EESTEC further. But on the other hand we'll also be forced to spend more money and time on trying to get all the information to every member. We'll also need to become more professional in order to be able to advertise ourselves to possible sponsors and to handle our bigger size. Maybe in the future we will be forced to establish a secretariat but I guess that will take a couple more years. Even though we are not yet there, this year the board has mainly been working on this new challenge. Some examples of our work have been the hot topic about the seat, the need of changing the newsletter editor during term, start publishing this yearbook, sponsoring work etc. I'd like to shortly explain shortly these main topics we have done and tell our findings.

The discussion of changing the location of the seating of EESTEC started when we founded that it was impossible for EESTEC to apply for EU funding. The reason why EESTEC cannot apply for funding was that EESTEC is seated in Switzerland, which is not a member of EESTEC. The board decided to investigate the advantages and disadvantages in changing the location of the seating. The board investigated plenty of other locations and also consulted BEST who also have applied for EU funding. We also made a test application for EU funding as separate LCs, which now seems to have failed since the application was made to wrong project. One another thing we found was that in the year 2002 an organisation can become seated in EU instead of single countries and the board at the moment feels that we should postpone this discussion until then. Also the findings we had of EU funding were that it should not be forgotten, but there is plenty of work in making the application and that EESTEC might be best of joining forces with some another organisation when looking for EU funding.

The board has had a lot of discussions about the Newsletter. During the Congress in Ljubljana the GA decided that the Newsletter should be published monthly. The board felt that it is very essential for EESTEC that the Newsletter is published as planned and on the schedule. Due to problems with the schedules the board decided after many long emails that we will move the Newsletter to another location. The board still wishes to thank Markus for the great work he did and apologise that he couldn't continue with the work. Since September Hwee Peng, Ang from LC London has published the Newsletter and she has done a great work.

Another topic with the Newsletter has been its circulation. Now that it has been published via Internet we haven't been able to know what is the total number of published copies. We have also realised that the poorer LCs haven't been able to publish it and therefore they haven't been able to spread the Newsletter. Because of this the board is now trying to gather up enough money to be able print the Newsletter in one location and mail all the copies from there. This again will be a big challenge, but it will be very important if we wish to get more value to the Newsletter and EESTEC. If the board manages with this you already have read couple of these copies, since the first centrally printed copy should come out in January.

This yearbook, first and on the same time the last in this millennium, was maybe one of the biggest challenges the board was facing. With the budgets EESTEC had had previously it would not have been possible to publish. The Ljubljana congress felt that it would be important publication to make EESTEC and therefore it was decided to do. The board was left with the job of publishing it. Well after quite a bit of work and some good luck you should now be holding it in your hands. For me this project probably gives most satisfaction.

We also decided to redo the sponsoring letter and work. Earlier we really haven't had any concept on what to sell to the possible sponsors. This we decided to change since we felt that we have to have a clear product be able arouse interest. We defined three different classes of sponsors: main, golden and silver and also decided the prices for Newsletter advertisements. Now the board will start hard work of looking for those sponsors. Hopefully in the Delft congress you will hear our happy news!

There are also plenty of other things we have done and I would like to write. We have really had quite a few projects and actually many of those won't be completed during our term. But we have worked really hard to set the direction as well as to follow the footsteps of the previous boards. Now we can just hope that our successors will continue our work. I really believe that the next millennium will be great for EESTEC although it won't be an easy one.

Murphy's law

Logic is a systematic method of coming to the wrong conclusion with confidence

Preface

In your hands you are holding the result of a great challenge, the production of the EESTEC yearbook. It is the first yearbook in EESTEC History, which means there was no example from which we could get some inspiration or guidance. So, when you are reading this book and you see a terrible mistake, please be accommodating. In any way, we hope you will enjoy reading it.

Making the yearbook was not only new to us, but also for the local committees which had to write the articles. You can read the result of this challenge in the book, which contains articles of local committees, VIPS, workshops and more. Some of the local committees were unable to give us an article in time, so when you are missing a story about your LC, make sure you will hand in your article on time next year.

For us, it is always a great challenge to work with the computer. Every time we tried to place an article, it was a surprise what kind of trouble the computer would invent this time. Some of us really had trouble copying articles containing pictures. To really heat up the frustrations, the computer kept telling us it could not place the article. Fortunately, as you can see in this book, we tricked the computer and placed the articles anyway.

Not only the making of a yearbook is a big challenge; electrical engineering is one as well. Everything has to be made smaller, faster and cheaper. Besides this, new subjects present themselves every year. An example is the internet, which has a short history, but has become so important in this time (where would EESTEC be without it). All these challenges and nobody knows what you will be learning when you study electrical engineering in about fifty years.

We hope you all enjoy reading this book and watching the pictures (to see what faces belong to the people who are always sending emails to you). We want to thank the companies who supported us in making this yearbook. Thanks to their sponsoring we could conquer this challenge. Finally we want to thank everyone who wrote an article and we hope that you will have a lot of fun at the congress, exchanges and workshops next year.

EESTEC History

History of EURIELEC

From: ETV Yearbook 1966 article by Kees Wittebrood

The first try to start a European organisation of electrical engineering students was already in 1958, but this attempt failed, because the basis alone of the organisation, the cooperation between Germany and France, was too instable.

Preparational meeting in Paris, December 1963.

Founding of Eurielec in Berlin, 14th of December 1964. The founders were national committees of France, Germany, Italy, The Netherlands, Norway, Switzerland and Yugoslavia, together representing 18 schools of technology. Mr. H.J.M. van de Vijver, a representative of ETV Delft, is chosen to be the first chairman.

The goal of the association is:

- a) promoting contacts between foreign students electrical engineering
- b) exchanging information for study possibilities and excursions with other schools of technology
- c) promoting practical work in foreign countries and its possibilities.
- d) Coordinating activities of the members, the student guilds.

During the first congress of EURIELEC, held 5th –12th of November 1966 in Delft, the organising committee welcomed the participants wearing a jacket, a typical students' outfit in The Netherlands. In the second meeting of the congress, the following new members were accepted:

Belgium: Gent (Gand), Spain: Madrid, Germany: Karlsruhe and Stuttgart, Yugoslavia: Belgrade.

The program of this first congress consisted of meetings, a series of six 'EURIELECTURES' about 'the computer and its applications' and several excursions. Of course the culture and food were also experienced by the participants. At the end of the congress Mr. Jean Niviox from Paris was elected as the new chairman.

From: ETV Yearbook 1967 article by P. van Wouwe.

The second congress was held in Paris, from Friday the 4th of November 1967 till ? Not much is told about the meetings, except that Scintilla, the student guild hosting LC Twente nowadays, was accepted as a new member. Strange enough only the parties were remembered, because some things are said about a French 'boum' and another party, the 'aqua boum', which was a party on a boat. The new chairman was elected from the Berlin delegation: Hanswerner Voss.

From: ETV Yearbook 1968 article by T. de Jong.

The third congress (from 21st of October 1968) had two major elements: working time and free time. The free time was mostly filled by visiting a 'bier stube'. The working time, were the meetings. One of the discussions held was about the official language of EURIELEC. In this discussion the French delegation, afraid of the loss of their culture, resisted with all their power against the use of the English language. No solution was found.

Siemens, Springer (publications), A.E.G. and Conti Electro were visited, as well as the impressive university. Berlin had organised the 'EURIELEC ball', and thanks to a 'notruf' by a local radio station, eventually there were enough girls. The election of the new chairman was not hard, and José Miguel Mata Cabezón from Madrid became the new chairman.

From: ETV Yearbook 1969 article by T. de Jong

Since the first congress Checho-Slovakia, Austria and Sweden were accepted as members. This time, the fourth congress was held in Madrid, starting 20th of April 1969. During this congress the publication of a magazine was one of the decisions made, as well as founding a bureau, to coordinate the distribution of documentation. After a long discussion, the decision about the next congress location was made. Not in Prague as planned, but in Eindhoven.

From: ETV Yearbook 1970 article by H.O. Lakens

Added to the members' list of 35 connected associations from 13 countries is Finland. The congress was held from 6th – 13th of July 1970. A long discussion was held about a proposition by the delegates of Munich, Karlsruhe and Hannover, who visited the congress with an assignment by their members. Their proposition was to add to the statutes to promote the exchange information about student politics and responsibility. Some members thought that this was in conflict with the being a non-political organisation. Eventually a neutral formulation was chosen satisfactory to everybody, especially the three German members.

Another three members joined the association: Bratislava, Sarajevo and Helsinki. The Greek were not accepted due to a too big number of empty votes. The next congress will be held in Prague, where they can try again.

The congress was concluded with a tasteful 'diner dansant' where some old-EURIELEC-ers founded the group 'friends of EURIELEC'.

From: ETV Yearbook 1970 article

The congress is held in Venice, May 1977. Probably contacts with EURIELEC faded after 1970, because not a word is written in the ETV yearbook on EURIELEC anymore. Furthermore, three students from The Netherlands were sent to Venice by KiVI (The Dutch engineers association).

Murphy's law

Technology is dominated by those who manage
what they cannot understand

History of EESTEC

From: ETV Yearbook 1988 article

“It is already 1,5 years ago that a first conference between European Electrical Engineering students, the EESTEC '86 (Electrical Engineering STudents' European *Conference*), took place in The Netherlands. This conference has been the initiative of the three Dutch student guilds and had its origin in the 'European thought'. The results of this conference have been very positive. Decided was to organise an equal kind of conference in a different European country every year.

The yearly character of the EESTEC has been guaranteed by now, since the EESTEC '87 in Yugoslavia has been very successful. An evaluation was done on European cooperation of the last year and some agreements have been made for the next year. Thanks to the international workshops preceding the EESTEC '87, good agreements could be made. It looks like that the EESTEC '88 to be held in Portugal will have a positive result as well.

The creation of the national committees that foster the international contacts, resulted in the Netherlands in the CIC (Committee of International Contacts). In this committee students from Delft, Eindhoven and Twente operate under supervision of the three student guilds ETV, Thor and Scintilla. The committee meets often to discuss the working on the agreements made during the conference, and of course to foster the international contacts and to gain new ones.

The activities concerning the CIC right now are investigation the exchange of internship- and studies exchanges, excursion-exchanges and propaganda. On international level the CIC helps other countries to start a similar committee. Concerning the exchanges contacts have been made with the Dutch faculties and with Yugoslavia. So far, the CIC has helped Belgian students, who have started a similar committee. Also by attending the preparing workshops and corresponding with the organisation the CIC helps develop the EESTEC.

For all these activities good ideas have arisen. We now know, more than 1,5 years ago, where to we are headed. The organisation of the EESTEC 1986 has been, with a lot of active students who have cooperated. Now, we should see to it that with the new ideas and activities, new people keep building on the Dutch initiative, the EESTEC, and make sure that the European thought remains alive in The Netherlands and in Europe”.

1986 Congress in Eindhoven, The Netherlands

From: Aachen Archive

It was 1986 when the first EESTEC Congress was organised in Eindhoven, the Netherlands. It was organised for 50 participants coming from 33 different cities in 17 different European countries. It seems there were not at that time Local Committee, introduced the year after with the old name of NatCom, that is National Committee.

The countries most represented were West Germany and Finland with four cities and Belgium, Italy and the Netherlands with three cities. Looking at the list of cities participating we can find which are the oldest EESTEC members:

Vienna from Austria

Oulu, Tampere from Finland

Paris from France (just reactivated in the last Congress!)

Budapest from Hungary

Delft, Eindhoven from The Netherlands

Krakow from Poland

Zurich from Switzerland

Madrid from Spain

Ljubljana from Yugoslavia (Slovenia got its independence in 1991)

None of the four German cities (Bochum, Braunschweig, Heiligerhaus, Kaufering) and of the three Italians (Donato Milanese, Marotta, Milano) is still an active member.

1987 Congress Nova Gorica/Ljubljana, Yugoslavia

From: Aachen Archive

The second EESTEC Congress, held in Nova Gorica and in Ljubljana, seems to be the Congress of the National Committee creation. As we can read in the 1988 ETV Yearbook article, this Congress was a great success. A lot of initiatives were started, above all by the cities involved the year before. The final number of participants was 44, coming from 35 cities in 14 European countries.

Being held in Yugoslavia a large number of participants was from one of the nine cities present at that Congress (Ljubljana, Grosuplje, Kranj, Trbovlje, Nova Gorica, Maribor, Sarajevo, Belgrad, Svetozarevo). Between them only Ljubljana became a NatCom together with Espoo (Finland), Aachen (Germany), Enschede (The Netherlands), Trondheim (Norway), Lisbon (Portugal), Zurich (Switzerland).

There are two curiosities about this Congress:

The first is that as in the 13th EESTEC Congress, held again in Ljubljana, again with a great success, Iskra (a Yugoslavian Company) was a sponsor with three different branches (Delta Computers, Telematika, Avtomatika);

The second one is that there was also Quebec from Canada (that being a member of United Kingdom, belonged to Europe in 1987) between the participants.

That year there were two workshops:

In Vienna (Nov 6.-9. 1987)

25 participants from 12 countries (Germany, Czech, Hungary, Yugoslavia, Poland, Italy, Greece, Belgium, Switzerland, Canada, The Netherlands, Austria);

In Madrid (Dec. 12.-14. 1987)

4 countries participated (Belgium, Portugal, Netherlands, Spain).

1988 Congress Lisbon, Portugal

From: Aachen Archive

The number of participants (46) and the countries involved (14) are more or less the same in number of the year before, but this time the participants came from just 22 cities. This means that EESTEC started to have less NatComs, but more stable and crowded. One of the observers was Rensselaer from U.S.A. !!!

It's a pity see that good members as Lisbon, capable to organise a Congress, and country as Belgium, which took part to the first three Congresses with 5 different Universities (Brussels, Merksem, Gent, Roeselare, Lokern) disappeared completely during the following years.

Very rich of life and energies EESTEC organised that year a lot of activities, above all in the eastern countries: Czechoslovakia and Poland.

The Exchange appeared here, officially, for the first time.

Exchange in February 1987 with Finland and Switzerland

Exchange with Bratislava (Czechoslovakia) and Vienna (Austria)

Exchange with Czechoslovakia and Yugoslavia

Workshop in October 1987 in Octanien(?) (Finland)

Workshop in November 1987 in Aachen (Germany)

Exchange between The Netherlands and Finland

Exchange between Yugoslavia and The Netherlands

May 1988 national conference in Poland

May 1988 workshop in Szczecin in Poland

1989 Congress Budapest, Hungary

From: Aachen Archive and Newsletter 4, volume 13 Bernie Hoeneisen's article

During this Congress the name of our Association was born. In fact before it EESTEC was EESTIC (Electrical Engineering Students' International Conference), then the 'I' of International became 'E' of European, and during one of the General Assembly the 'C' of Conference started to represent the word assoCiation.

The participants of this Congress were 48, from 21 committees of 14 countries. Brno (Czechoslovakia), Trondheim (Norway), Zagreb (Yugoslavia) are cities that disappeared the year after.

From: ETV Yearbook 1990 article

The congress of 1989 is held in Budapest, Hungary. The name of EESTEC is changed into Electrical Engineering Students' European association. The Netherlands has taken the task of chairman during that conference.

In November 1988, three Dutch students attended to the workshop in Szczecin, Poland. Topics discussed were some important suggestions to change the organisational structure of EESTEC. Furthermore, some new activities have been proposed, like making a 'Yellow-page Book', in which information about each ESTEC NatCom and the Electrical Engineering faculties are written.

A subcommittee is formed, which has the task to produce a poster, and all other countries have to as well. On the conference of Hungary this is presented to about 15 European countries, under whom for the first time the Soviet-Union. Because the ambiance in the Budapest conference is described as 'vague' the Dutch decided to organise another workshop in October 1989.

This workshop on Mobile Telecommunication was held from 10th till 14th of October in Twente and was visited by 20 foreigners from 10 different countries. Besides the usual meetings a symposium was organised, visited by 130 people, and some excursions to Dutch industry were organised. Belgium will pick up the production again of a magazine, filled with information about the activities of the EESTEC. Furthermore, a book containing information about the important employers of Europe for electrical engineers will be produced.

1990 Congress Zurich, Switzerland

From: Aachen Archive

After the first Congress held in a country belonged to the communist area, the 5th Congress, organised in Zurich for 53 participants, saw

the first two cities of the old German Democratic Republic (Potsdam, Dresden). Included them 20 cities from 16 countries were present. This was the first time for Tel-Aviv (Israel)! And it seems to be the first time also for Helsinki (Finland).

From: ETV Yearbook 1991 article

In autumn 1990 a workshop in Czechoslovakia is organised, also visited by Dutch students. The next workshops will be organised in Aachen and Trondheim.

The CIC Delft members are J.Huisman, R.Verboven, M.Widjaja.

1991 Congress Vienna, Austria

From: Aachen Archive

In 1991 there was, instead of a Congress, a Workshop in Vienna, but with the same procedures and purposes of a real Congress. Even if we have the Congress Report we don't have, at the moment, the participants' list for this event. We just know by ETV Yearbook Article, during this Congress there was a discussion about the proposal to become a registered Association.

From: ETV Yearbook 1992 article

Also organised an exchange with Israel end of 1991. A discussion is held to officially register EESTEC, in order to have a bigger chance on European sponsoring. To prove that useful activities are actually organised, EESTEC starts its first project: 'Windmills for Estonia'.

1992 Congress Madrid, Spain

From: Aachen Archive

Besides a quick appearance of Barcelona in 1988 (Lisbon Congress), Madrid have been the only Spanish Local Committee since the beginning up to now; so that in 1992 it organised its first Congress, the 7th for EESTEC:

The participants were 37, coming from 15 cities of 13 countries.

With this Congress it seems that Patras (Greece), after 4 years, was kicked off and the first Italian Committee came in: Bologna, together with Sofia (Bulgaria) and Tipperary (Ireland).

From: ETV Yearbook 1993 article

Workshops in Aachen (2x), Budapest, Zurich, a project in Denmark.

1993 Congress Budapest, Hungary

From: Aachen Archive

The number of participants to the EESTEC Congress, in these years, seems to become littler and littler. For the second Budapest Congress, after 4 years from the first, only 30 participants were present from some of the most stable LCs:

Ljubljana, Madrid, Sofia, Zurich, Eindhoven, Twente, Delft, Bologna, Hannover, Aachen, Budapest.

1994 Congress Aachen, Germany

From: Aachen Archive

1994 Congress was the first held in Aachen, it will be again there just two years after. This was the Congress that started to change the trend of decreasing participants' number, infact there were 41 participants, eleven more than the year before; we do not have precise information about Finland participants cities, but we can say the participants came from 19 cities of 15 countries. There were between the participants also Dublin, Athens and Salzburg.

In the Congress report of this year there is a great pearl of EESTEC fun:

The Official Congress Ghost

(or why we don't have further records from Finland):

“People arrive late, once in a while. We all know this and we all live by it. Some people are always late. If one knows this, it is no problem: just be late yourself. Most people are late once in a while. This is a special annoyance if you yourself are on time once. Well, here is an

example of what you can do to compensate for all the times you have been just a little late: for one time be really early. This is what our congress ghost did.

On Sunday afternoon - Sunday April 10th - we got a call from someone who was at the Aachen central station and who asked to be picked up. Well, unfortunately no one of the German NatCom was there. Meanwhile our ghost, still waiting at the train station, met a chemistry student who offered a place to stay for the night. On Monday morning my phone rang. I was told that our first congress participant had already arrived. It must be a joke, I thought but was soon convinced that it was for real.

Harry, whom I called, made arrangements for our congress ghost to stay in a student dorm. Around lunch time we met in the Fachschaft. As he explained to me he somehow mixed up the dates and just left Finland one week too EARLY !!! Can You imagine this disappointing situation ? You left your country, full of enthusiasm and having the will to commit yourself in EESTEC. And you actually arrive in an unknown city, where you do not know anybody and there seems to be no possibility to contact anybody of the host-NatCom. Wouldn't you cry in a moment like this ?

In the end our ghost made the best out of his trip - he stayed in Aachen a couple of days to enjoy the city and then he left to visit the EESTEC-NatComs of Zurich and Vienna to make this trip not totally useless. So we hope that he will be there - as he promised - at the next congress in 1995."

-This is the story of our congress ghost : Petro Airas from Finland. -
 - Harry and Edgar -

1995 Congress Zurich, Switzerland

From: Aachen Archive

Zurich organised in 1995, for the second time, the Congress, that is remembered in all the official documents as the Congress of the Official Recognition! The number of participants started again to rise, that year were 60, coming from all the LCs still active (but Stockholm and Vigo) in EESTEC.

WORKSHOP ON COMPUTER NETWORKS MADRID 1999

Alejandro Lizcano Esteras
Guillermo Pérez Pérez
Alba Iparraguirre del Monte
Alvaro Hernández Tortosa
María Luisa García Osma

INTRODUCTION

During the last week of October we organised a Workshop on Computer Networks in Madrid. We wanted to give the participants a little overview of what is going on in Spain regarding these particular topics: technology, investigation and development.

We had the participation of several important enterprises that are working in Computer Networks as BT, Banesto, Lucent Technologies, Andersen Consulting, Telefonica....

During this week we had very interesting lectures and a visit to the R&D labs of Telefonica. We hope that the people who came here enjoyed their stay and learned a few things relating their career.

We hosted 25 people from EESTEC. They came from 12 LC's:

Aachen:

Fabian Schulte
Heiko Schmirgel

Bologna:

Elisa Filippi
Andrea Welponer

Budapest:

Pal Winkler
Attila Karnauf
Mate Mikos

Cosenza:

Chiara Cumbo

Ljubljana:

Gasper Pintaric
Diana Jenul
Petar Ivovic

Delft:

Burt Loffeld
Burt Vissers

London:

Sunil Rao
Zouhair Belkoura

Oulu:

Anne Lahtinen
Ari Pisila

Reggio:

Luigi Starace
Roberto Carriero

Rijeka:

Madlen Damjanovic
Igor Karanovic

Zurich:

Rene Jacquemai
Fabio Vena
Patrick de la Hamette

Tampere:

Anna Karvonen



Monday October 25

Although it's a rainy day in Madrid it's also our Workshop's arrival day! (except for the early comers).

After a crazy morning and afternoon of going to Barajas airport to receive our participants, we had a wonderful welcome dinner at our university. We had some of our typical Spanish food such as "tortilla española" (Spanish omelette) or the great "tintorro" (a very suggesting Spanish wine).
Everything Delicious!.

During this time, first day comments were exchanged (which LC are you from?, whose arrival had the greatest delay?...).

It was rather funny wondering around EESTEC people and staring at everybody's identification, saying how wonderful it would be to have some kind of activity at their home city some time in the near future. We'll see.

After talking with almost everybody we couldn't help asking ourselves, we're having all these people from all over Europe here in Madrid!?. Yet, we also had a great amount of COWs (Workshop Organization Committee, backwards) enjoying this first dinner.

It certainly was a great opportunity for some of our LC members to have their first contact with EESTEC activities.

Tuesday October 26

For our Workshop's technical sessions we achieved something that was more than unbelievable for us. When we first started searching for interesting people for the conferences, we started with professors from our university (who gladly participated).

Then we somehow managed to bring one director from a telecommunications company for another conference, and from that point, all of the sudden the rest of the companies also brought directors and

managers for our Workshop conferences! (we even had companies calling us for participating).

Our first technical session started this morning at our telecommunications engineering school. The first conference was *Internet2 and Ipv6* by David Fernández Cambronero, professor at ETSIT.

Abstract (David Fernández Cambronero)

During past years, Internet has grown at an incredible rate. Approximately its size, measured in number of computers, network traffic or number of users, doubles each year. This tremendous success is the origin of important problems, mainly related with the scalability of the technical solutions used in the network layer of TCP/IP architecture.

Around 1992, Internet experts created several forums to study the problem and discuss possible solutions. These discussions gave rise to what was called "Next Generation Internet", and the design of a new network protocol for TCP/IP architecture: IP version 6 (IPv6).

IPv6 protocol retains many of the features that contributed to the success of IPv4, but, apart from solving the scalability problems by means of larger addresses and hierarchical routing, it brings some new functionality to adapt it to the future Internet, a network driven by the requirements imposed by multimedia traffic and commercial transactions.

The conference will begin presenting the situation and the problems faced by Internet at the beginning of this decade. After presenting the short-term solution (CIDR), the main characteristics of IPv6 (the long-term solution) will be presented, focusing on how IPv6 and other new Internet protocols like RSVP have contributed to evolve the Internet to a network that gives Quality of Service guaranties to traffic flows. Finally, some research projects and experiences that use IPv6 will be presented.

Our next conferences were *Rediris* (the Spanish academic network) by Victor Castelo (Director of Rediris), and *Internet Business* by Enrique Pareja (Director of Terra Networks and Internet Man of the Year 1998).

After the conferences, our EESTEC participants had a very exciting city rally around Madrid's center!. They said it was an excellent opportunity for them to get to know Madrid by themselves (with the proper maps, of course).



Wednesday October 27

In the morning we went to Moncloa where a nice bus was waiting for us to go to El Escorial. Once there, we had our conferences in El Euroforum, a very impressive building where prestigious congresses take place.

Claudio Feijoó gave us the first lecture of the day: "Information Global Society. The Internet Paradigm", where he talked about the key issues of how technology can affect our society, just as the industrial revolution.

Between the Conference and the second part of the day: the “Electronic Commerce” round table, there was a coffee break. In this round table there were important representatives of the different areas related to E-Commerce: Regulation, Banking, Consulting and Development. First, they explained their points of view and expressed their opinions. Then, there was an open turn of questions in which a lot of the participants took part. Very interesting!

Claudio Feijoó (Professor at ETSIT): control, regulation area

Some of the issues treated by Feijoó were about E-Commerce, which will be playing an important key role in the future enterprises, and it will constitute a new way of making business. Instead of calling it E-Commerce, it must be known as E-business. He finished his speech analysing the main advantages and disadvantages of focusing the Business in the Internet:

Advantages:

- Globalisation: Any consumer
- Regulation: No control, no taxes
- Savings: 60% of the costs of the goods are spent in the distribution channel
- Products: people need to watch and analyse personally products before buying them.

Disadvantages and difficulties:

- This new way of business is going to make local shops simple places where products are exposed/shown.
- Protection of personal data.
- Protection of intellectual data.
- Technological question: Security.

Julián Inza (Banesto): banking area

Julian Inza talked about the activities developed by Banesto, an important Spanish bank and a pioneer about technological innovation. He pointed out that, in some way, Banesto is working as a NGO, help-

ing Spanish enterprises to face the technological difficulties they are not adapted to, offering new solutions and even some of them, free of charge.

One of the most important projects of Banesto are:

Push the e-commerce in Spain.

Virtu@l Cash: Payment system that allows micropayments thanks to its very low commissions.

Cibertienda: Public domain e-shops software, available at www.cibertienda.org, developed in conjunction with Onírca implementations of the latest protocols making them available to the small companies: SSL, SET, WAP, LDAP KeyServer for certificates, Smart Cards.

Mall of e-shops, called <http://www.escaparate.com> It was the first certification authority in Spain Cooperations with other security authorities: ACE, FESTE, CTL...

Javier Pérez (Andersen Consulting): (area of consulting)

Javier Pérez talked about portals. He started with a definition of what are portals. Even it is a word widely used nowadays, it's difficult to explain what is exactly a portal: a portal is where users can find the solution to their needs. At first, search engines sites have become portals. Even nowadays portals need to have searching services, but that's not all. Every company wants to have their own portal, but recent studies show that only a few portals from big companies will survive.

Some of the needs of nowadays portals are:

- To associate with other companies to offer a wider range of products.
- To merge all the services within the same interface.
- To make contents more specific: it's difficult to be different and to offer more specific products, but it will improve QoS (quality of service).
- To merge business-oriented services with particular customer ones.

He also made some comments about the Next Generation of Portals, the Value Networks, services that under the same paradigm of portals, offer a wider range of services, reaching the integration of both horizontal and vertical services. They also offer specificity of services, allowing users to personalize the environment to make it suitable for their particular needs. As an example, it's possible to have a look at <http://my.yahoo.com> or <http://my.netscape.com>

To end, a sentence to think about: "e-commerce change the way business is done (not creating value)", from which we can conclude that what really matters are ideas and creating value, not only the distributing media chosen.

Luis Muñoz (Tiendas Virtuales): developing area

Luis Muñoz pointed out the difficulties for small enterprises to get adapted to the Internet. Big portals demand huge amounts of money to be announced, but this enterprises can't do that. For example, Amazon is a favourite partner of Yahoo, which makes almost impossible for a little library to get announced there. He also mentioned that portals attract more visitors than real buyers.

On the other hand, directories, which group a lot of shops in the same web site, with searching services, and facility of being announced, attract mainly people with concrete needs. This directories, such as Páginas Amarillas or Tiendas Virtuales offer little enterprises, which are apart from that, the most relevant (98%), possibilities of creating their own e-shops with few products at a low cost, without spending a lot of money in specific developers and having more flexibility while announcing themselves ... etc. Individually, they won't have any possibility, but so all working together.

After the time available for asking questions, the so well expected lunch came, well served with white wine, in a nice restaurant. It was mainly consisting on seafood, fact so surprising to many people, and which provoked strange faces, but everybody, at end, got very satisfied.

Lunch spent more than it was initially expected, that was why it was impossible to visit the inside of El Escorial in the way it was planned, and we had to be pleased visiting its gardens, the Church and its neighbourhood, quite pretty, independently of the rainy day it was.

About 8 o'clock in the afternoon, expedition took the bus back to Madrid, despite of some problems with the batteries of the COW's cars we had, which at the end doesn't supposed anything else...



Thursday October 28

Our third technical session also took part in our university. First of all we had a presentation from Luis Alvarez, Director of Multimedia of British Telecom (one of our sponsoring companies!), regarding their interests and business strategy in the Spanish market.

This presentation was followed by Carmelo Gago, Director of Optical Technologies of Lucent Technologies (also sponsoring company!), with his conference: *Optical Networking, trends and challenges*.

Abstract (Carmelo Gago)

It is very usual today talking about internet, high speed access, personal web, E-Commerce, interactive video services, virtual private networks, etc, more and more new services offering that require a high capacity transport network.

What we are going to see in the first part is some new appliances, portable, wearable, available today in the market, to feel what is about high capacity need, what can we expect in the near future from the vendors and from the service operators.

Next, some economics will show today trends to estimate demand and why many US new operators have deployed high capacity transport networks.

Finally we will explore the concept of disrupting technologies through the review of some examples. Many micro-electronic innovations, like the holography, the innovations in fibre throughout last ten years, the big hits in optical transport with dense wavelength division multiplexing systems (DWDM) and the optical amplifiers, doubling capacity every twelve months, are very good examples of what we call disrupting technologies, those that take very short time from the labs to the market and those that improve their own efficiency and characteristics every year.

And finally, the last conference of the day, about videoconference was given by our professor Juan Quemada: "*Isabel Project*". Who knows, perhaps some day we'll be able to have an EESTEC Congress throughout this videoconference!.

Abstract (Juan Quemada)

ISABEL is an advanced audio/video/data-conferencing software application developed at DIT-UPM, which transforms standard PCs into advanced videoconferencing systems and platforms. ISABEL has been used for creating collaboration platforms, which have proven very effective in: corporate tele-meeting or tele-training; distance learning; or distributed congresses with world wide coverage.

ISABEL has several distinguishing features over standard videoconferencing:

- ISABEL makes multi-point collaboration easy, effective and man ageable with large numbers of endpoints. Collaborations with over 20 sites have been performed with effectiveness.
- ISABEL makes multi-point collaboration cheap.
- ISABEL allows collaborations over heterogeneous networks with out gateways, such as Internet, ATM, ISDN, Frame-relay, point to point, satellite, ...

ISABEL has been extensively used and validated in real and world wide service trials since ABC'93 July 1993, where it was used for the first time. Since then, dozens of events have been performed, such as the RACE/ACTS Summer Schools on Advanced Broadband Communication, the tele-work experiments within Ericsson in TECODIS, the various Global 360 events, various distributed courses among Universities,

ISABEL platforms are constructed over standard IP networks and can be integrated easily in existing corporate or wide area networks based on heterogeneous networks, such as ISDN, the Internet, ATM, satellite, Frame-relay, etc.. The design of fully assembled platforms includes ISABEL terminals, servers and routers, as well as the design of the network supporting the communication among ISABEL terminals.

ISABEL platforms are composed of the following elements:

- **ISABEL terminal:** enables the access to a remote collaboration. Each terminal incorporates an MCU, which can be used to create small multi-point configurations without explicit MCUs.
- **ISABEL MCUs:** the ISABEL MCU (Multi-point Control Unit) allows the interconnection of a large number of end points over heterogeneous networks without the need of gateways.
- **ISABEL servers:** to announce collaboration sessions and to provide automatic connection to ongoing sessions from webbrowsers by just clicking on the announcement. Servers can be used also to store the meetings, training, etc for later reproduction over the Internet or locally.

The following scenario shows a typical multi-point configuration, without an explicit MCU. multi-point control unit (flow server). This is one of the big advantages of ISABEL over standard videoconferencing, multi-point can be obtained with terminals only.

Some people say that the Spanish sunshine has always inspired the great artists of our country. Well, this thursday afternoon was certainly the time to see it in a wonderful visit to El Prado Museum, one of the most famous museums in the world!. Ever heard about Velázquez, El Greco, Goya or many others?. El Prado has everything anyone would want to see about paintings.

Thursday night we went to El Palacio de Gaviria to the Halloween party!. This is probably the most famous disco in Madrid; if you ever have a chance to visit Madrid and you're ready for an amazing party don't forget this place! (specially thursday nights).



Friday October 29

“El Palacio de Gaviria” really was an awesome party!. For some of the people it was the greatest disco they had ever seen (it was a palace turned into a disco!).

Since the average sleeping time for this night was two hours, we did have some problems gathering everybody for our visit to Telefónica I+D (the R&D labs of the biggest telecommunications company in Spain).

The visit started with a lecture from Pedro J. Lizcano, Manager of the Technological Innovation Programme: “The Strategic value of the Technological Innovation”.

Abstract (Pedro J. Lizcano)

Technological Innovation can be defined as the process to create new products, services, or to generate other internal improved processes, in a company, relying on the technology as a value lever. Therefore, Innovation is often associated with strategical policy and guidelines, specially in competitive environments such as in telecommunications.

However, Innovation is a risky business and some fault rates must be assumed, depending on the different industry sectors, and like 'good omelettes, eventual success will involve broken eggs'.

The author, responsible of the Technological Innovation Programme at Telefónica I+D — the major R&D telecom factory in Spain — will present his personal view on related issues and will elaborate on the different approaches and learned lessons applicable.

Finally, in most cases, Innovation has a goal concerning a future vision and how to grasp it. Often, the best way to cope with this challenge, is *to create the future*.

During the afternoon most of the people used this freetime to do some shopping around Madrid's center : Paseo de la Castellana, Nuevos Ministerios, Callao, etc. Another chance to visit the city in a different way and have some time to decide what should we bring back home. Then, at night we went to Alonso Martinez, one of the major hanging out areas in Madrid all full of bars!.



FINAL WEEKEND

As we all know, shoppings during the last day are very common, and friday nights are quite “long”, that’s why we also decided to leave this free morning for that purpose.

It wasn’t until dinner that we met again with everybody and had some sandwiches from Rodilla (typical Spanish fast-food restaurant), to get ready for the “Botellón” (drinking in a park before going out at night). This last night sure was crazy!.

Well, that’s basically what happened during this week. We hope everyone who participated enjoyed our hospitality.

On behave of Madrid LC thank you to everyone who participated in this Workshop.

See you in some other EESTEC activity!.



Murphy’s law

If builders built buildings the way programmers wrote programs, then the first woodpecker that came along would destroy civilization

EESTEC Workshop

LC London

15 - 22 December, 1999

Mobile Communications - Towards A Networked World

Wednesday 15 December saw the participants arrive from all across Europe, to be taken to the Heritage House Hotel in Bayswater. The welcome party was held in the Table Tennis Room (TTR) of the Students' Union building in Imperial College - this was a good opportunity for the participants to meet each other and mingle before the gruelling week of visits, lectures and of course parties began in earnest!!!

Thursday 16 December

The day began quite in a funny way – Poon and Matteo had to wake everybody up... the meeting for them was at 7 in the hotel in order to get everybody ready by 8! After a brief welcome from Dr Andrew Holmes at the College, we were all on our way to Cambridge to visit the local headquarters of Schlumberger. The visit began with a presentation on the major work of the company, including the development of smartcards. Communications is nowadays a major hi-tech research area and Information is really the most important “good” to sell and to transmit quickly – hence the huge effort put in the development and exploitation of areas including net-conferencing and virtual reality for engineering applications. We then also had a chance to visit the laboratories, particularly those relating to machinery for oil-drilling applications.

We then returned back to London to have dinner in a nice Lebanese restaurant in Bayswater – very close to the hotel. However, something was still missing from our “welcome cocktail” – and that was a real English pub crawl in the local area. We just visited two pubs, our guests being very tired – but nevertheless the traditional British ales were appreciated, and the evening finished with everyone very merry

and very sociable. We also heard rumours of some extra partying going on in the hotel after we came back (at pub closing time 11 PM), but the truth will never be revealed...



At Schlumbergers

Friday 17 December

On Friday, we visited the Harlow Laboratories of Nortel Networks in Harlow to the north-east of London. Nortel Networks is a telecommunications company that has diversified broadly into developing communications networks and systems. The research and development facility at Harlow is the company's largest in Europe and is a multi-disciplinary centre that focuses mainly on the evolution of carrier networks and the development of wireless networks.

First, Allan Fox, Managing Director of Harlow Laboratories, gave us an overview of the company's operations. We were introduced to the various areas that the company is involved in, such as high capacity transport, IP (Internet Protocol) enabling technology and optical systems and components. He also spoke about the labs' contributions in history with Charles Kao and George Hockham's proposal to carry high-capacity communications on fibre optics (1966) and the

invention of pulse code modulation (PCM) by Alec Reeves (1937). Finally, in the question-and-answer session, he answered questions we posed regarding the company's position in the global market and his opinions on the future of Internet technology.

Thereafter, we formed groups and toured a few of the working groups before interacting further with members of the staff over lunch. At the laboratory of the Radio Technology Group, we were given an introduction to the group's research into capacity enhancement of cellular mobile telephone networks. The group has developed innovative solutions such as antenna arrays which provide highly effective control of the transmission region in three-dimensional space to enable higher frequency reuse within cells so as to provide higher capacity to tackle the problem of maintaining interference-free communications in the highly limited bandwidth in contemporary cellular networks. Currently, this technique has been successfully used in TDMA (Time-Division Multiple Access) networks based on North American standards. We were so eager to learn more about the subject that we overrun our allotted time and had another group waiting for us to finish!

At the site of the *design.interpretative* Group, we were introduced to the group's main interests in user interface design and user needs research. The group's research into new technologies like WAP (Wireless Application Protocol) looks into the enhancement of user interfaces of present and future products. We were given a presentation on the group's multimedia kiosk about what one might do in the future with advanced personal mobile communication equipment such as the now-ubiquitous mobile phone.

In the demonstration by the Carrier IP Mobility Group, we were shown how it would be possible that various communication media such as instant messaging, email, telephone and mobile SMS could converge into a unified contacts service, so that one could use any of these to contact other people via a single, consistent front-end. There would be also provision for users of this service to indicate their preferences for certain media to be available only to some of their contacts, and to group their contacts into categories such as family, work and friends so that the behaviour of the service could be customised to facilitate control over "contactability" under different circum-

stances. For example, a user who is not at work might prefer to receive messages regarding work by email rather than by telephone; the system would be able to route messages taking into account settings such as this. The client for the contacts service could be ported to any PC, palm-sized device or even mobile phone platforms so that it is fully available across all kinds of equipment. A significant development in this area is the consideration and resolution of privacy and data protection issues. As information becomes routinely stored remotely, the possibility of misuse must be addressed. This is an important non-technical area that engineers will increasingly deal with in the future. We were indeed very impressed with the capability of the demonstration equipment, and would certainly await the debut of a product that might grow out of this research.



Pub crawling in London

After the heavy technical stuff it was time to unwind, and what better way to do it than a full-fledged photography session! With so many cameras, it was certainly little to ask when we tried a little bit of variation, backwards style — one of the cameras had a picture of us facing away from it (“someone has to be unlucky”)! The huge smiles and frequent sniggers certainly more than made up for that (we hope). Overheard somewhere was a comment that we must have had some Japanese blood (no offence intended) in us!

Then, it was time to go. About one hour and a traffic jam later, we returned to Central London and bid our friendly coach driver farewell as we made our way back and, for some of us... emails!

The night saw the participants returning to the Student's Union for the traditional end-of-term Carnival - this being a themed party night to celebrate the end of yet another term at College. This year's theme was James Bond, occasioned by the recent release of the latest Bond feature *The World Is Not Enough*.

Saturday 18 December and Sunday 19 December

Deepest, darkest Kent! Instead of sensibly spending Saturday afternoon shopping in Oxford Street, the evening in a cheesy London club and then lying in on Sunday followed by a pleasant walk in Hyde Park everyone was forced to take a coach south to the mud and rain of Kent.

The plans for the evening had been discussed by the committee for months but unlike the well organised way the rest of the week worked this was more or less utter chaos. But it was fun chaos! The house was a huge old mansion that was empty except for 3 bits of carpet and some radiators which hardly worked. Fortunately there was also a cooker so the Italians were able to knock up some excellent pasta – a group of Italians, tomatoes, pasta, boiling water and olive oil will always result in something wonderful. There was also seemingly endless supplies of warm bread, mince pies, mandarins and ... bananas - these being an integral part of the evening as much use was made of them when playing "Mallet's Mallet". Mallet's Mallet is a English game involving saying the right word quickly – if you don't you are hit on the hit with a large hammer and then have to do something crazy decided but all the other people. Exact details of what happen during the game are best not written down JJ. The evening continued with a mix of chatting, singing, taking photos, making videos, drinking and generally having fun...

Next morning started at 8 o'clock for the braver people and considerably later for certain Italians! A lucky, chosen 20 were going to visit the Shepherd Neame Brewery whilst the rest went to look around the historic city of Canterbury.

The Sunday morning was blisteringly cold outside the Shepherd in the small, typical Kentish market town of Faversham. Our host, Mr Julian Herrington, spent a very interesting hour showing us the brewery, explaining how it works and letting us try the outputs. Apparently one of Julian's jobs used to be trying the beer every day – now that's a job that would be fun! We started in the tasting room where we tried lots of Shepherd Neame's unique beers. Some of us had never had ales or bitters before and it was really fun trying all the different types and seeing which ones were tastiest. There was even a special Christmas one that seemed to have a taste of spices and chocolate!

After the first round of tasting we went for a tour. This was amazing – we had expected a huge factory with lots of silver metal pipes and complicated dials and buttons. But in fact, everything looked so old fashioned and so typically British. On the outside most of the equipment was still made from wood and some was even the same equipment as had originally been put in. Julian explained that the vital thing was that inside the equipment where the beer was everything had to be clean and outside it was not so important so despite the old fashioned exteriors the insides were as clean as any hospital. As we were explained the whole process and followed the system around the building we were exposed to amazing array of smells – some that were delicious and obviously associated to beer, others that were far less nice and remind us of other things. We even saw little pellets of crushed hops which are used for the flavouring. Apparently there are lots of different hops which are used in slightly different ways.

After the tour we headed back to the tasting room and tried some more beers. As we drank we reflected on how these had been through the process we had just seen – turning from just water, yeast, hops and barley to the delicious and varied liquids that were passing out lips.

Loads of thanks to Julian for showing us around and to Shepherd Neame for offering us so much of their beer. Next time I sit down with a glass of Master Brew, Spitfire or Bishops Finger I will remember exactly where it has come from.

In the early afternoon we all headed back to London, driven by a crazy coach driver who seemed to find trying to hit cars and pedestrians was fun!

Monday 20 December

We left the hotel early in the morning to reach the IBM laboratories at Hursley shortly before 11 AM. We were given a presentation on the laboratories by one of the Managers, Imperial College alumnus Brian Holloway. The laboratories are located in the grounds of a historic house, the countryside location giving a peaceful atmosphere for the research team to excel. Brian then continued, giving us a brief introduction of IBM (International Business Machines) globally and in the UK. IBM started in Hursley from 1st of December 1958 and the product revenue that the Hursley Laboratory contributes to the IBM Corporation would place the Laboratory as the world's fifth largest software company. Then, Steve Legg from the Data Storage Technology division gave a presentation on magnetic storage media technology, showing us the components inside a hard disk by taking one apart and passing it around for a closer examination of the cleverly designed device.

After lunch, we made our way to the Storage Technology laboratory. We were briefed about the work that was carried out in that laboratory and were shown a demonstration of a situation simulating a power failure to indicate how the systems would cope to prevent any loss of data. The security guards which accompanied us during the whole tour only further cemented ideas of the importance of the work taking place.

IBM is pushing Java technology to businesses in a big way, and, after the tour, Dr James West explained to us about these initiatives. Simon C Nash, technical architect, gave us a technical talk, touching on the RMI (remote method invocation). There were demonstrations

on these technologies, including IBM's own version of the JDK, after this. We then returned to London to enjoy a spicy meal at Khan's, the famous Indian restaurant, near the hotel.



Group photo at IBM

Tuesday 21 December

This day we were back at Imperial College for a couple of talks from senior members of staff from the Department of Electrical and Electronic Engineering.

"The 21st century is an age of communication. Ideas of countries are gradually dissolving and people are learning to think in a more expanded way. Lifestyle will change dramatically with the freedom that communication empowers us. This change is irreversible." In conjunction with the workshop, Prof Tony Constantinides gave a talk on his personal perspectives on some significant directions of signal processing and communications. Interesting demonstrations were

made on low pass filtering and the novel approach of blind system identification and channel equalization without statistical information. The latter, which is based on faster sampling at the system output, generated much interest amongst the audience.

Professor Robert Spence was then invited to give a talk entitled *Trading Space for Time*. He addressed two problems related to human-computer interaction. The first problem, which was identified two decades ago concerns focus and context. "The 'keyhole effect' arises because we often forget the context when we are examining something in detail. Absence of context leads to the familiar 'where am I?' problem." Limited display area was the second problem discussed. The act of browsing gave Prof Spence the inspiration of a potential solution when display space is limited, the idea being the electronic equivalent of riffling the pages of a book or the categories of video cassettes in a rental shop.

Finally, a friend of EESTEC's, Mr Adrian Thomas from DICR came forward to say a few words to the participants. He brought with him copies of *netWORK* magazine on European careers for the 21st century for distribution. We were also joined by an observer from Cambridge University who had come down to look at the possibility of setting up an LC there.

The Farewell Party

Parting is such sweet sorrow – but at least it was tasty.

As with any decent EESTEC event this workshop finished with a wonderful farewell party where everyone dragged out those drops of energy and partied until they quite literally dropped (Alessia!). The committee had wrecked Paolo's kitchen in a successful attempt to produce a final large, tasty meal for everyone. The first half of the party took place in the very cool More House bar (thanks Fr Terry), and the survivors moved to Zouhair's place after the bar closed. As well as plenty of food and final English drinks there were loads and loads of photos and the obligatory gift-giving session. Each LC offered the committee a typical gift from their part of the world. There was lots of unpronounceable alcohol, salamis, cheeses, chocolate and

fruits as well as cards, dolls and T-shirts. We also learnt a Finnish drinking tradition – stamping on the bottle lid so all the contents must be drunk before the end of the evening – thanks, girls!

At Zouhair’s house all the sadness of having to say goodbye really started. Everyone hugged and kissed and cried and often said bye more than once because there were so many people! People left with tired eyes but happy hearts aware of having made some new, truly great friends. EESTEC London smiled at each other, reflected on the 6 months of work and didn’t even have the energy to say ‘Well done people’ to each other.

EESTEC’s first London Workshop – the last one of the 90s – a truly great success. Very, very well done to all the committee members and thanks so much to the companies and their representatives for all their support.

Murphy’s Law

A computer makes as many mistakes in two seconds as 20 men make working 20 years for 20 hours a day

Oulu-exchange

Last May we in the LC of Oulu had our first big test. We started organizing this exchange week already before Christmas and finally in the end of May we saw the results of our work. With this report we want to give all of you a chance to find out what our exchange week was all about.

Friday, 21st May

21st May was the “big” day. Our guests arrived quite late so we hadn’t organised anything special for the first evening. After settling in to Domus Botnica, which is a student house near by the centre of Oulu, some of us felt hungry and we went to eat fast food. At the same time the Italians saw a normal Friday evening in the centre. We visited a local brewery restaurant and some other bars too. In the evening and night the Italians got the first experience about lightly Finnish summer.

Saturday 22nd of May

After quite a long sleep and breakfast the Italians went to see the centre of city. They walked around Rotuaari, local Pedestrian Street, and the market place. The weather was great and beautiful and everyone enjoyed just hanging around in the centre. In the evening there was the welcome party, which was organised by OTY, Technical students union of Oulu, in Teekkaritalo, the house of technical students.

The trip from Tuira to Kaijonharju by bike was a nice experience for the Italians. There were so many trees in the town! The first part of the party was the official part. People from OTY introduced local studies and student life. The Italians got information about Finnish technical student culture. After this we had dinner and then the saunas were warm, own sauna for boys and own for girls. The evening continued with sauna, beer, singing mainly Finnish and Italian songs, getting to know each other better and even swimming in the cold lake. During the evening the Italians gave us some presents. For example local wine, cheese and salami and some books from their home places, Cosenza and Reggio Emilia.

Sunday 23rd of May

After second sleep in the sunny Finnish night, it was time to wake up and begin to know Oulu and Finnish culture. We started our sight-seeing from Toivoniemi, our accommodation place. We walked via Kuusisaari and Raatti to Pikisaari, where we visited Sailor's home museum. It's the oldest wooden house in Oulu. After the visit we walked over a bridge to the market place. During the walk we saw the place, where the castle of Oulu used to be and we saw also one of many Finnish paper factories.

At the market place we learned a little bit of the history of Oulu. Now it was time to go to the pedestrian area, Rotuaari, which is the oldest this kind of area in Finland. While walking to the park of Ainola we saw the City Hall and visited the Oulu's Dome, which is built in the seventeen century. Finally we arrived to the park of Ainola. While we waited for our picnic, which was arriving, we played at the park's playground. It was very fun after many years. And our Italian friends were really enthusiastic about this possibility. Then we ate our picnic in the park. After picnic it started to rain heavily and we got really wet during the walk home. But luckily we had a couple minutes time to change our clothes and the rain also finished.

Then we had to go, because the Finnish baseball game "pesäpallo" was waiting. We went to the Finnish baseball station in Raksila, where was the home game of Oulu's baseball team Lippo. The visitor was team from Kankaanpää. The Finnish baseball is not very simple game so we Finnish tried to explain the idea of game before the game started. Our guests became real fans of this Finnish game. And thanks to Lippo, Anna-Lisa, one of our guests, got the gameball. During the half time we did like all Finns do and we went to buy a Finnish sausage: "Makkara".

In the evening we went to have dinner in the Turkish restaurant called Istanbul. There we talked and ate very well. After the dinner, it was time to go to bar. We went to 45's special. There we had a wonderful evening. After midnight we went back "home" and outside was still light.

Monday 24th of May

Early on Monday morning Sanna woke all up. The day was going to be interesting, because our friends would get a glimpse about Finnish student life and University of Oulu. After quick breakfast at Toivoniemi, we were out and on our way to the University by bike. The weather didn't seem good, but we hoped we would make it to the tour destination before it would begin to rain. We didn't hope though, because it started to rain when we were only halfway. In the end we made it to the University a bit wet, but in time to hear something about the structure of the education system in Finland.

First we discussed about the structure of the University of Oulu and about all the things you can study here. Every-body had a lot of questions about the graduation programs, especially about our engineering graduation programs. Even though it sometimes feels that there are a lot of similarities in education systems in Europe, there is still a big difference between countries. No wonder that EU has so many problems trying to unify the graduation degrees.

After this short but interesting discussion we had the possibility to visit one of our laboratories in the Department of Electrical Engineering. In the Information Laboratory there is a research group called MediaTeam Oulu (www.mediateam oulu.fi). The staff had promised to introduce and demonstrate us few of their research projects. First they told us about mobile information system, more precisely about project called Princess, where they research techniques for mobile multimedia adaptation. Then we saw a demonstration on Computer Telephone Integration, CTI.

Once we had thanked our guides, we headed to the nearest student restaurant at the campus, Julinia. Italians liked the normal student lunch and we had an interesting discussion about the student lunch policy in Italy. In Italy the price of a student lunch is determined by the incomes of your parents, which is quite different from our system.

After the lunch at the university we went to visit Elektrobitt Ltd. There we had a short presentation on the company and made a tour in the building. The range of their products varies from small quantity devices used for research to high volume OEM products.

Elektrobit's work in its business areas is supported by its expertise in RF engineering, digital signal processing, embedded software, and ASIC design. A big part of the staff is undergraduate students.

Next we were supposed to play *Kyykkä*, which is a traditional game of students of engineering. Unfortunately it was raining and we had to postpone the game. Instead we went back to university to read e-mail. In the afternoon we went to visit VTT Electronics. VTT is the Technical Research Centre of Finland. In Oulu you can find four out of nine research institutes of VTT: VTT Electronics, which is the big one here, VTT Automation, VTT Communities and Infrastructure and VTT Building Technology. Mr. Mika Saaranen gave us an overall presentation on VTT telling us more precisely of VTT Electronics and finally concentrating on the Wireless Internet Laboratory.



VTT Electronics is a highly specialised research and development unit. They offer services to all manufacturers of products containing electronic parts. The services are made use of by the electronics, telecommunications, process automation, mechanical engineering, and instrumentation industries.

The work of Wireless Internet Laboratory is specialising to information technology, related sciences and new concepts in telecommunications. After the official part it was time for Sauna and dinner offered by VTT Electronics.

Tuesday 25th of May

After an early breakfast at 6.30 on Tuesday morning we got on minibuses and headed for Kemi. Kemi is a small town in the southern Lapland by the sea. After a one and a half hour drive we arrived to Digipolis, which was the company to visit for that day.

Digipolis is a small technology village in Kemi. There we heard a presentation on their work and future plans. The village has a few laboratories of the University of Oulu, companies like Nokia and a few new-born companies. They are growing fast and in a few years they'll have a great need for qualified people.

After the visit to Digipolis-village we got on the buses again and this time we headed for Rovaniemi, the capital of Lapland. This time the trip took us two hours. Unfortunately we didn't see any reindeers (and luckily didn't hit any either). We arrived to Rovaniemi a little before lunch and started looking for Rovaniemen Kotitalousoppilaitos, where we were going to have lunch. After making a few unscheduled sightseeing rounds in the town we finally found the right place. There we had a typical Lapland-style lunch with reindeer-meat, smashed potatoes and berries as dessert. After the lunch we had a few minutes to spare. So we drove up to Ounasvaara-hill. After enjoying the view, taking pictures and playing with the snow, which we found there, we, once again, got on the buses and drove off.



This time it was the time for Santa Claus and Arctic Circle. We drove eight kilometres north from Rovaniemi to Arctic Circle. We met Santa Claus, who spoke a few words in Italian with our guests. Santa was a really big man! :) We took some pictures right there on Arctic Circle and did some shopping in the souvenir-shops. We also found Santa's reindeers, which were obviously feeling quite lazy and didn't find us so interesting. Next we drove to the centre of Rovaniemi, did some shopping and finally headed back south.

After a while we arrived to the summer-cottage of Sanna's parents. The cottage is situated right beside the Kemijoki (Kemi-river) in the middle of nowhere. There are no other houses near. There we all got to work. The boys started to heat the Sauna. First they had to chop the wood and then light the fire under the Sauna stove. The Sauna is a real old-fashioned Finnish Sauna on the shore. There's no shower or running water. The water is heated in a boiler over the fire. With the help of Heikki, boys managed to heat the Sauna. Meanwhile we were making the dinner. We cooked chicken and zucchini on the barbecue. We also made some salad.

We spent the evening eating, drinking, talking and going to Sauna. Of course, there was the river right outside the Sauna and we had to

take a swim... the water was FREEZING (7-8 degrees). But afterwards it felt great. Later in the evening we put up a fire on the beach and cooked some Makkara's on the fire and ate (again) with good appetite. The evening was really relaxing and we had time to talk about many things. Describing the peace and silence there along Kemi-river is really difficult. To understand it you really have to experience it, you have to see the dead calm river and hear the silence. Well, finally we got tired and crawled into our sleeping bags and after a few seconds we were all asleep.

Wednesday 26th of May

We woke up about nine o'clock after a few hours good night sleep.

I was tired, but I wasn't as tired as the other guys who had slept in the caravan. I heard the midnight sun had shined all night and there were not much of the curtains in the caravan. Midnight sun... in Finland? No, it can't be.

-Heikki-

After a quick breakfast we headed for then Outokumpu Polarit steel factory in Tornio. Outokumpu Polarit Oy is a part of The Outokumpu Group, which is one of the world's leading base metal producers. The Outokumpu Group operates on a wide range in metal industry from ore exploration and processing to finished products. It markets wide array of equipment, electronics products and technology.



We arrived there, almost in time, few minutes past eleven and our host was already waiting for us and welcomed us warmly. After introducing ourselves we had tight information-laden lesson about the factory and the processes. The Outokumpu Polarit Oy is part of the Groups stainless steel production chain in

Finland and it produces hot and cold rolled stainless steels. And after the lesson we had a tour in a cold rolling plant to see some real work in action. Our friendly host showed us around the plant and answered all the questions patiently. After an interesting tour we were taken to lunch in the company canteen. During the meal hosts told us that they were really surprised to see all of us so sober when entering the factory. And they were even more surprised when we didn't drink all the beer they would have offered us!

The day was just too sunny to be spent totally in a car, so on the way back to Oulu we visited Haaparanta, Sweden, where we had some ice-cream and even went to a supermarket. The rest of the home journey was a mixture of sleepy eyes and enthusiastic discussions of the wonderful day. Everyone seemed to be quite tired when we arrived back home, especially the drivers Nonna and Heikki. We took a break and freshened up before going to see the nightlife of Oulu. We went to Sokeri Jussi, talked, laughed and took lots of photos. We went to visit some of our favourite bars. So we went to Never Grow Old, where was some kind of DJ competition.

Next it was time for dance and we went to Kaarlenholvi. On the way we were looking for a phone booth... it was surprising that it was so difficult, even if we knew that most people in Finland have mobile phones and you just don't use phone booths so often. But finally we did find one. Italians just loved dancing. Some of them could have danced until morning, but eventually we had to leave. Disco was closing up and we had an early waking. Our guests were surprised of the bright night. They wanted to take picture of sunrise... Unfortunately sun had already risen. It took about a half an hour to walk from disco to Toivoniemi, the new record (normally it would take about 10 minutes). But we surely had fun! :)

Thursday 27th of May

Wake-up should have been half past seven but because of some information breaks it was half an hour late. After breakfast we got into cars again and shaped the course towards Hailuoto. In Oulunsalo we drove cars on board and started to enjoy our ferry trip to the island. We had also possibility to visit the Navigation Bridge of the ferry. The sun was shining in Hailuoto even if the weather in main land was very cloudy.

After landing Hailuoto, we drove to Marjaniemi on the other side of the island. There we admired windmills and walked along the beach. Before lunch we had time to play a little bit: Italians decided to build up a map of Finland using stones and of course Finns had to build up Italy. Afterwards all of us also showed where we came from. Then we went to Marjaniemi biological research station, which is part of the University of Oulu. Marjaniemi biological research centre is concentrated especially on island nature. In the research station we had lunch, delicious and traditional fish-soup.



After that it was finally time to play Kyykkä, which is a traditional engineering students' game. Now the weather was much better than on Monday, so nothing could stop us playing. The game was so fascinating that we missed our ferry (only few minutes, but this is Finland: if you are late then you are, sorry!) and so we had to wait over an hour to catch the next one. After quick change of clothes at Domus we managed to be almost on time in Nokia Telecommunications.

Nokia Telecommunications (NTC) is part of Nokia concern. NTC is concentrated on fixed networks, making switches, access nodes and base stations. There we got a presentation on different units of NTC and made a little tour in the building. We also met one Spanish employee and he told us his own feelings about working in Finland and in Nokia as foreigner. After official part there was time for dinner and Sauna also offered by NTC.

Friday 28th of May

After long sleep we woke up to have a delicious breakfast. We were supposed to do some sports but shopping was absolutely more important... Especially if you have travelled to an exotic country like Finland and if you have loving family, boyfriend/girlfriend and friends waiting for you (and your presents). So that is explanation why we did not choose football. OK? Few hours shopping was absolutely enough for everyone. Family would have had something very Finnish.

Then it was time to go to the “our seat of learning”. The Reporter from Kaleva (local newspaper) was coming to do an article about the week. There was a surprise made by a typical Finnish summer rain on the halfway to the University. We got wet, really wet. Thanks to God it is warm and dry in our Mensa. So after a while we felt more comfortable. Lunch was good as it is in Mensa usually. But there was still something what you have to do because of your loving family, buy... Postcards!!!

After this big operation we went to the guild room of students of electric engineers to have cup of coffee (and write a few more postcards). Some way the clock had made a big jump and we had to hurry to the farewell party. The place was perfect for a party. Two saunas, big balcony, big kitchen...just great. Italians Erasmus students: Luca, Fabio and Simone had promised to do a real Italian Pizza. While waiting for pizzas we had sauna and beer and sauna and...of course singing and talking and singing and... Time was flying as it does every time when you have fun... Midnight had past a long time ago. It was time to go home. Sun was rising up when we drove by bike to Domus. It was almost incredibly beautiful. It would be great weather today...

Saturday 29th of May

This time the morning came much too early, we had to get up too soon after going to sleep. It was time to pack the things and move on. First we had an old-fashioned Finnish breakfast (no more cookies and jelly) porridge. The rest of the morning we spend talking and packing, soon it was time to go to the bus stop and head for airport... We surely had fun during the week and we are all waiting to see each other again!

Discovering Mare Nostrum

Challenges exist to be taken up and limits to be overtaken. This is what happens in the fantEESTEC world in which the Yearbook 2000, since you are reading it, turned from a big challenge into reality and where people know that we must climb mountains to meet on the top and then find out how wide horizons can be. Reading these pages you will understand how the will and energies EESTEC people made unforgettable events possible.

With this few lines LC Cosenza will try to give you some ray of sun (with some tan also!); a hot sun who first welcome our guests at the “Discovering Mare Nostrum”, the first EESTEC Exchange in Cosenza.



who we were at the very beginning

BEFORE

Our minds and souls have been engaged for months to make our exchange the King of the exchanges and to make everything perfectly!

We were 13, 14, 15, 20.... everyday someone asked for coming in the students' group, who would have welcomed in some weeks the guys and girls coming from everywhere in Europe.

Those days were, maybe, the busiest in our life: it was impossible walk quiet and peaceful along the Faculty's corridors, you could try to hide yourself but suddenly someone behind you or from the floor upside or between your legs came up saying: "Did you complete your task? Everything went well? Problems, doubts, uncertainties? I'm here to help you....."

Everyone with a new task for you or with the will to help you in the old one. It seemed to be in the middle way between a concentration camp and an oldsters' hostel!

Jokes apart this event made us aware of how much strong can be a group of 20 persons working together and moreover it helped us to improve our sense of solidarity.

DURING

There was a task everyone had during the preparation-time: pray Gods not to make it raining during that week and let the sun shine!

So the time arrived and this smashing event started with the welcome party where could eat, thanking our mums, the real Italian pasta and pizza, and a European cake with 12 stars on it. You have surely heard about this week's highlights:



the visit to Cirò (typical Italian wine farm) where everybody really enjoyed tasting its wine



the famous soccer match ITALY-REST OF THE WORLD, on a wonderful beach and.....



*...right after that the dive in the Tyrrhenian Sea
(Dutch guys used to wear only their ties!)*



*the craziest coach trip on the "TITANIC BUS",
where every EESTEC Jack found his EESTEC Rose.*

Maybe you are sad because you have missed the “Tartufo di Pizzo”
Ice Cream with



a romantic sunset over our shoulders

and maybe, you are sad because you were not with us singing on



the “Ferry-boat” bringing us to Sicily during the night.

If you were not with us you have just missed



the most TERRIFIC farewell-party of the world!

among the walls of the old (very old) Svevian Castle on the highest hill of Cosenza, dancing under the stars: a perfect end for a perfect week!

Thanks to:

LC Aachen: Michael Albrecht, Yanyan Hu;

LC Bologna: Flavio Ferrari, Nicola Fiocchi, Cecilia Razzetti, Gabriele Salgò, Enrico Strozzi, Fabio Tonti, Andrea Welponer;

LC Delft: Bas Bijlsma, Paul Oudshoorn, Marijn Rijken, Abdlouahab Skalli, Rick Van der Arend, Mark Van Staalduinen, Bart Vissers, Ronald Westerlaken;

LC Ljubljana: Spela Ivekovic, Diana Jenul, Eva Kunstelj;

LC Munich: Tassilo Meindl;

LC Zurich: Andrè Derfler;

LC Cosenza: Michele Bruno, Rosanna Calendino, Manuela Citrigno, Chiara Cumbo, Emanuela De Maddis, Laura Folliero, Chiara Giannico,

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AFTER

After that week the group of students realised that they would have grown up by working daily together to achieve the same aim.

With their work they brought Europe much closer to Calabria. But the most important thing is that events like Discovering Mare Nostrum should be usual in their town, the third desire they asked to the EESTEC Genius.

We all agree that we made what was possible, we are making what is impossible, and that we are working on Miracles: You are all invited to the “Internet Improvements” Workshop, 28 May - 3 June.

Don't miss it !!!



Water games.....

Chairman's profile

I'm Iikka Väkiparta, the chairman of EESTEC 1999/2000. I got interested in EESTEC on my freshman years when Hapo (Chairman of EESTEC 1997/1998) dragged me to a LC Helsinki season opening party. After that I was attending to the meetings of the LC every now and then but the final kick was when I just before the Congress 1998 was chosen as the chairman of LC Helsinki. In the Congress I got interested in the EESTEC politics and was elected as the treasurer.

The first year my tasks were to keep track of EESTEC's assets and to try to find some sponsors for EESTEC. During that term the board was facing big challenges in making EESTEC grow and to gain the interest of possible sponsors. Also during that term we decided to open the Euro account to ease the international money transactions and decided to use Euros as an accounting currency.

When my term as the treasurer ended I felt that I still could have a lot more insight to bring to EESTEC and therefore decided to run for another term in the board, this time as the chairman. I got elected to the task with my great board. With this board we have kept on following the path created by the previous boards but we have also faced many new challenges and therefore we have developed many new ways to face them. This year the consistent work has really carried fruit and we have been able to harvest the work of previous boards. We are also working hard to leave the next board plenty of assets to work on.

Well I have just been explaining my work. I could also shortly explain myself. I'm a 23-year-old student from Helsinki University of Technology. At HUT I have been studying for three years. During my term as the treasurer I felt that EESTEC board might need also some business way of looking at the world and applied to Helsinki School of Economics and Business Administration. So now I'm trying to make the best of both in guiding EESTEC to the next millennium!

Internal Vice-Chairman's Profile

I was Enrico Natalizio. I was studying Computer Science Engineering (a branch of Electrical Engineering in Italy) at UNICAL, University of Calabria, Cosenza. I was playing football in an amateurs' team and I also was black belt of a Korean martial art. My hobbies were music, books and computers.

Maybe you're wondering why I'm talking using past tenses, but it's easy. It's because this was the 'common' life of a 'normal' good student with the 'usual' passions for sports and women....before meeting 9 'strange' guys (actually 8 girls!!! and 1 guy), with 'curious' ideas as bringing the whole Europe in one of its southeast region (Calabria) or spend weeks of amusement,work and culture-enjoyment together with other 40-50 'odd' people coming from all over Europe and with their same capability of walking suspended in the air.

In this way, as a thunder from a serene sky, EESTEC rushed in my life and soon it became my NEW CHALLENGE. The first EESTEC event in which I took part, was the wonderful Glühwein, Microsystem Technology and Ice Hockey Workshop, organised by the mythic LC aachen in 1998. After this event, that contributed to change my life definitively, the Ljubljana Congress, Cosenza and Delft (back)exchange and London Workshop followed, all in 1999.

This way, I had the possibility to meet a lot of the 'eccentric' people who populate the EESTEC's LC's, and who decided, during the Ljubljana Congress, to elect me as one of the four 'craziest' persons in EESTEC. This choice was also driven by the thanks of the EESTEC world to one of its most active LC's (Cosenza).

I thought working together with three people, everyone coming from a different country (also just two, because Alessia is Italian too) and lead EESTEC to overcome the Millenium Bug (as 'the man with the chair' has already said) could be another challenge. Instead, everything in this board-year was very simple and likeable as it's obvious among people who want just the best for our association. So, I can surely say that this year was the best of all my life thanking the

other 3 boardmembers and above all the EESTEC 'People' who had the patience to tolerate the tons of e-mails I sent.

I want to conclude with the masterpiece written by the LC Cosenza's girls for me:

Laura: "When will you marry me?"

Serena: "What say about him? ... A guy to be understood!"

Giulia: "The strongest, the busiest ... a little changeable"

Francesca: "Me Enrico Natalizio, I said everything..."

Chiara: "I would like to describe you our vice-chairman with a song... but how many notes I need to understand if ' he is a right man or he is right a man '?How many colours I need to describe his glances' energy and his thoughts' punctuality? ... Millions feelings: this is the EESTEC adventure we're living together.

Rosanna: " If you know him you avoid him ... but I'm not able to do it"

Manuela C.: "The craziest and most fascinating souls' carrier in the cybernetic space"

Manuela De M.: "A wonderful European guy!"

Valeria M.: "Describing our "W". C. in only a sentence.....Impossible! The enthusiasm, the efficiency for EESTEC: the will to do every thing well... The smile, the glance and the expression of some one, daily, wins his limits... Know him and let me know how much I'm skilful to lie!"

Ilaria: "Odi et amo. Quare id faciam, fortasse requiris. Nescio, sed fieri sentio..."

(Hatred and love. You'll ask yourself how I can. I don't know but I feel it happens.)

Valeria I.: "Enrico Natalizio??... All my world!"

Murphy's law

The primary function of the design engineer is to make things difficult for the fabricator and impossible for the serviceman

International Vice-Chairwoman's Profile



I have been the EESTEC International Vice-Chairwoman for external affairs in the last year and there is certainly one thing I have done an exceeding number of times, writing a profile about myself. I wonder if being a VIP has the unique task of celebrating ourselves ;-). Anyway I sincerely hope that those who do not know me will from this paragraph understand what I have tried to do during this year and those who will follow me in this position will take example and improve my work.

My main task was to activate as many new local committees as possible. At the beginning I immediately realised that the only information about how to activate a new committee was only on the web-site and it was not sufficient. Being the founder of London LC, I have been an observer myself and I remember very well how awkward and time-consuming was to have to read all that information on the web and how I lacked for long time a complete understanding of the real meaning of the association. Therefore I thought we needed to develop a more concrete and immediate way to give new members an idea of EESTEC and the idea of developing the EESTEC Activation CD-ROM came out. This CD-ROM was accompanied by a booklet with further information and explanations as to how the CD works. The CD not only contains some documents with extensive explanations but also videos and reports of recent EESTEC events. Preparing the CD has been quite a challenge and I have also tried to improve it during the year.

At the same time I have started contacting other universities. I have not been supported by the activation group. This may have been due to the fact that I was not present at the previous congress and I did not directly know them, but in any case I am going to propose at the congress to completely change the choice of the activation group.

I believe that a small number of elected people would perform the task more responsively than it has been done so far.

Lacking direct knowledge of people in other universities I have started contacting local associations of different universities by exploring their web-sites and in this way I have obtained a positive answer from Cambridge University. I then approached some students I knew of the Polytechnic of Turin (Italy) and have invited three of them to the workshop held in London in December 1999. Then some students from Belarus have contacted the board with an interest in setting up a Local committee in Minsk. Thanks to an article written for IEE News by London LC some students abroad have contacted us to join, from Brazil, New Zealand and Iran. These contacts however have resulted in a difficulty due to the fact they are outside Europe. Recently three new universities have expressed their interest to join EESTEC, Podgorica (Montenegro), Trieste (Italy) and Tunis. Trieste and Podgorica have already agreed to become observers. In the next three months I will try to contact even more universities and associations as well as making our new three observers strong and ready in view of the annual congress.

On a local level, I have been very active within London LC in order to organise the workshop held in December 1999 and to make the LC as strong as ever. I am graduating in June 2000 and I will very sadly and very early (considering I am only 22!) jump into the EESTEC alumni. Honestly I believe EESTEC has given me amazing opportunities and has helped me developed some skills which would have been otherwise remained hidden. Being a member of the board has also made me develop a high sense of responsibility and think about general and more wide-focused problems. And it is remembering the long-lasting meetings, the company visits, the parties, the songs, the infinite amount of alcohol, my lovely Board colleagues and all the fantastic people I met that I get out to the real world. Thanks EESTEC!

Murphy's Law

Any circuit design must contain at least one part which is obsolete,
two parts which are unobtainable and three parts which are still
under development

EESTEC Treasurer's Profile



Name, LC

Paul Oudshoorn
Local Committee Delft

Tasks

As the treasurer of EESTEC I am responsible for the accounts of EESTEC and for contacts with the International Sponsoring Group, and international sponsors. Before the congress, the old treasurer prepares next years' budget. When the General Assembly approves with it, the new treasurer has to make sure he does

not spend more money than the budget allows him to, and that he collects enough income to balance the budget during the year. The oversight committee is there to watch the board's decisions, including the financial.

Since every LC has its own budget, the international budget is not that big. Examples of posts that are budgeted are *travel expenses* for participating to the congress, workshops and board meetings; *congress reservation* might the COC run short on money; The *Yearbook* receives an amount to guarantee that money won't be a problem. More sponsoring means a cheaper yearbook and last but not least, the website's DNS registration.

The most important incomes are *LC Donations*, *Sponsoring* and *other donations*. This years budget exceeds all previous budgets, caused by good work of the ESGIS (= international sponsoring group), and boardmembers.

This years projects

Several things are introduced this year to streamline international sponsoring. An EESTEC Sponsoring flyer and a new standard sponsoring letter are meant to make new contacts with companies. Four different kinds of cooperation are offered in three contracts (main, golden and silver), and in separate advertising. The prices for the newsletter are calculated, to be able to print it centralized and dis-

tribute them to each LC. Also, an LC can profit from arranging a new advertiser. 15% of the price for advertising is meant for the body (an LC, or ESGIS) that brings in the advertisement. Several companies have shown their interest in EESTEC and hopefully their number will increase in time.

Also, EESTEC has applied for EU funding, that is, a group of six LC's applied for a series of EESTEC activities (workshops and congress). LC Cosenza put a lot of effort in reading the manuals for application and gathering all the budgets and events into one application. Unfortunately the EU returned a negative reply, because only electrical engineering students did not represent a broad enough group of EU inhabitants.

Finally the CHF currency is not used anymore in EESTEC bookkeeping, which is from now on totally in EUR. There have been some strange problems with our EUR account however. A donation of LC Delft made in the currency EUR to our EUR account was still transferred to Swiss Francs and then back to EUR, with a certain exchange rate loss each time.

ESA Outreach cooperation

Very recently an IAF congress was held in Amsterdam, where some members from Cosenza went to the week before a back exchange in Delft. This congress was one of the activities an office of the European Space Agency, the Outreach office, organized of many to come. Their objective is to interest young people, segmented in different age categories in space engineering. For our age category they plan to run a program where a large number of students combine their knowledge and creativity in designing a satellite or a moonlander. The speciality about this is that students all over Europe would build a piece of the whole, thus distributed engineering. EESTEC is one of the student organizations to be involved in their projects. Soon, EESTEC will probably be officially affiliated to ESA and we will both profit from the cooperation. EESTEC would be involved in their program and receive sponsoring, ESA uses our contact with members.

Future Plans

A plan for trying to get EU funding for EESTEC, is to start a satellite organization in Brussels, that is a *‘European Association’*, which would focus only on the EU funding. This will not be possible before 2002, when the *‘European Association’* will be introduced as a recognized lawperson.

Secondly, I have started to collect all LCs’ sponsors from the past and present in one database, that is maintained by the treasurer. This way, the board would see where possible sponsors for the newsletter are, where we might get articles for it, or even a cooperation. Also, it could help LC’s to know which companies sponsored other LC’s for their events.

Another thing, closely connected to the sponsoring contracts, is an *‘Internships page’* on the EESTEC website. This is actually a project of the webmaster of course. The idea is that only members could access this area of the website and could easily check if there is an internship available in a European country.

ESGIS – EESTEC Support Group for International Sponsoring

Money is always an important topic during the general meetings of the congress, the boardmeetings and while organizing an event. Donations of Local Committees are not compulsory to be a member of EESTEC and to remain an association we want to have a website, do some administration and publish a newsletter. Since this year we also decided to publish an annual report in the form of a yearbook, we should always try to activate new LC’s and return travel expenses so that money is never the reason for not being able to travel to workshops or the congress. Altogether the expenses are not covered by the LC donations.

To find new sponsors or donators for EESTEC, a lot of work is to be done; But where to start? One of my predecessors, Bernie Höneisen initiated the idea of devoting a workshop to finding sponsors for EESTEC International and he wanted to form a group of people who would work on it after the congress as well. During a congress, the participants are always loaded with energy to start working on all the new ideas that came up. But after while, the enthusiasm has been overruled by being busy studying or doing other things.

Nevertheless there are some EESTEC-ers who did spend time on finding money. René Jacquemai has sent a briefing of sponsorletters to a lot of foundations and sponsors, which resulted in quite a lot of donations. With that money, we are now able to publish this year-book, and to embark on facing other new challenges!

For any questions about sponsoring, EESTEC money, applying for travel expense refunding, or anything else, do not hesitate to send an e-mail to treasurer@eestec.org

Murphy's Law

Under the most rigorously controlled conditions of pressure, temperature, volume, humidity, and other variables the organism will do as it damn well pleases

Oversight Committee

Hello, Gasper from LC Ljubljana, Slovenia is writing to you. I am student of Telecommunication department at the Faculty of Electrical Engineering in Ljubljana University (This year we are celebrating the 80th anniversary of the University of Ljubljana). I am now in my last (9th) semester and intend to graduate within 2 years. My interests are in telephone networks and their possibilities to expand to other fields, like transferring data, voice and video through the phone networks. We all know that Internet is almost in every house so we have a lot of opportunities in this field to accomplish something.

My so-called “free time” consists of different interests, but the first one is sport. Doesn’t matter what kind but it must be one that keeps you moving (football, basket, badminton, etc.). And there are also some consequences – every two year I am visiting the Orthopaedic clinic in Ljubljana. But even when life is not that beautiful you have to see it from the bright side. Every day in the hospital the beautiful nurse comes and she is doing the exercise with you: stretch, lift, drop, lift to the left and lift to the right and drop, and lift and circle and drop, etc. and at the end she puts some ice on the poor leg to cool it down.

I am involved in a lot of other student activities (beside EESTEC): I am a member of the Student’s union at my faculty, a member of the Oversight Committee at KOMISP (Alliance of international associations like EESTEC who are located at International Office in Ljubljana). Beside that I am also the president of youth section at the alpine association PD SCT.

What about EESTEC and me? Hmm, there is a lot to tell. I have been in EESTEC for almost three years now. I had joined the association as a student who hasn’t heard for EESTEC before. I had been invited to a trip to Zurich and my adventurous soul couldn’t resist not to go. After one week hanging around Switzerland I came back full of energy. I also found out that EESTEC is an association who gives students opportunities to see Europe and meet with others in the cheapest way. As an EESTEC member now I have a lot of friends around Europe. I had experienced famous Finnish sauna (you go from

plus 60 degrees to a hole in a freezing lake), sleeping in a tent in the wood in the middle of January in Finland. I saw the famous windmills and the beauty of the Netherlands. My mom was astonished about the vinegar and Parmesan cheese from Italy. And have you ever been at a tram party in the middle of Zurich?

But being three years in EESTEC it made me realize that EESTEC gives me much more than just travelling around. I also gain a lot of other experience like communicative and organising skills and language proficiency. You get this experience by organising something. Even one small Exchange is good enough for a start, later on your appetite will grow and the next thing you know is that you have more than fifty EESTECERS at the Congress or Workshop.

Two exchanges and one Congress have been organised by our LC in two years. I was always in the organising committee. When we get the task to organise the Congress this year I was a little bit afraid if we could manage. But the best reward for the COC – congress organising committee - was to see all your happy faces at the end of the last General meeting and later at the farewell party when the band started to play one of the famous EESTEC song (The roof, the roof, the roof is on ...). In my opinion one of the best activities in EESTEC are Workshops where we meet and learn about new technology and industry in different countries across Europe.

This year I am a member of the Oversight Committee together with Yvonne Breuer from Munich. Our tasks are to check the financial transactions made by the Board and supervise the work of the Board done during their term and advise them if necessary. I am really satisfied with this year's work in EESTEC International. The Board has found sponsors and made connection with them. They also made some bonds with the European union. They are doing a tremendous work to activate new faculties or universities into EESTEC. We mustn't forget that we wouldn't read this paper without their work. So I still have the whip in my drawer but ... why is there always a but at the end?

Future plans? Usually I don't make any plans for the future but I have one goal for forthcoming year. I would like to go for a long trip away from Europe. Could it be done as a trainee-ship in IAESTE?

Mailmanager

My name is Alba Iparraguirre. This year I'm working as the EESTEC Mail Manager, and that is the reason why I'm writing this little article about myself.

I was born in Madrid 23 years ago. I live in a little village about 40 kilometres from Madrid, near the mountains. It's quite nice, the problem is going to Madrid every morning, (I hate having to wake up so early.

I'm studying Telecommunications Engineering in Madrid, I'm in the fifth year, so I suppose that next year I will finish my studies, but really I don't know what it's worst, to continue here studying or having to start working...

Is should tell something about how I join EESTEC... I didn't heard about it till my third year in the University, when a friend of mine told me about this association. She told me about the possibility to take part in the Congress of Reggio that would take place that year, and about other events that EESTEC were planning to organise. Really, it wasn't very hard to convince me to participate, as I thought that it would be a great opportunity to meet people from all over Europe, to visit some countries and sometimes also learn something about Electronics, Computers and so on.

Since I'm member of EESTEC, I have been in Reggio at the Congress, where we really had a great time. After that I became the Contact Person from my LC and last year we organise an exchange with LC Helsinki (it was quite a mess trying to organise it, because for most of us it was the first time, but really, it worth's, we really enjoyed that week, and also the day after, sleeping and resting☐J)

Then in December I went to Aachen, to participate in their Workshop on Microsystems. The only problem there was the very cold weather, but it was a really nice experience, and I could see how much work that it takes to organise things for so many people.

In March, we (people from LC Madrid) went to Helsinki to complete the exchange, and it was a very nice week, and a nice City. We specially enjoyed seeing all that snow, that here it's not that usual here, and we have tons of fun with our so we snowball fights. And I have learnt something, never forget your passport at home....

After Ljubljana Congress, we decided to organise a Workshop in Madrid that took place last October. The topic of the Workshop was Computer Networks. I think at the end, almost everything went right, although sometimes while we were organising it we thought that we would not be able to do it.

I think that when you are organising an EESTEC event you have to make lots of tasks as going to the enterprises to get funds, talking to professors and other engineers to take part in the conferences, looking for accommodation, and son on. So I recommend to anyone that thinks about organising something, to get a group of people to make all the tasks, and you will realise that is easier.

So, just try to participate as many events as you can, and don't be afraid about organising things, everyone can do it!!

About my tasks as Mail Manager, is quite simple to explain. Here in Madrid we have all the mail lists of EESTEC, and I just have to administrate them. That is: look that all the aliases work most of the time (Some problems with the routers or the machines we can't avoid), add the new people that is getting involved with EESTEC, remove the ones that leave the association, the alumni list, the observers. I think that is not a very hard work, but I ask everyone of you to cooperate, this way all the mailing list will work properly almost always, and it will be easy to keep all that information up to date. And from here I want to thank Guillermo and Fernando that are making the EESTEC web pages and the yellow pages, and when all that pages will be finished my work will be even more easy!

Well, that's all and so, hope to see you somewhere!!

Murphy's Law

All great discoveries are made by mistake

Webmaster



Name: Guillermo Pérez Pérez (Known as bisho)

LC: Madrid (Spain)

Nationality: Spanish

Studies: Third grade of Superior Technical Engineering of Telecommunications at ETSIT (Polytechnical University of Madrid)

Interests: I'm interested in projects related with Internet and computers. I like reading, taking photographs (having aspirin, coffee and sleeping not much), and of course, going out with my girlfriend Azucena.

My History in EESTEC:

My experience in EESTEC started the second year of my degree (1997-1998) when I began to take part in Eurielec, a club at my school, through which I knew about EESTEC activities in Europe.

The following course (1998-1999) both Fernando Herrera and I carried out a linux distribution (Eurielec Linux) which was a success. It helped to finance our student's exchange with Finland, which I contributed to organize.

Thanks to these activities and the preliminary design of the EETEC International Web Pages, I went to the annual EESTEC Congress in Slovenia. In this congress, the importance of the EESTEC's presence in Internet was reinforced. That led to the creation of the new position of Webmaster, which I was elected for. There, I undertook to achieve these goals:

- The improvement of the web design.
- The improvement of the interactivity (forum, news page).
- The development of a schedule of events (calendar).
- Making an easy and accesible database of LCs and EESTEC's members in conjunction with the Yellow Pages project.

There are some objectives that are not finished yet; however, the presence and the usefulness of the pages have been increased considerably.

In October 1999, I was one of the organizers of the wonderful workshop on “Computer Networks” held in Madrid. 25 people came from 11 different LCs. Notable professionals of Spanish Telecommunications and important firms took part, such as BT, Lucent Technologies, Andersen Consulting, Banesto, Telefónica and others. The star of the workshop was the debate on “Electronic Commerce”, which was very interesting, and it is a topic very present in the world nowadays. The organization of the event was very enriching, but also weakened.

Future Plans:

I will continue with the development of EESTEC International Web Pages, joining all the services within a sole interface (mail lists, Yellow Pages, calendar...).

Presently, in my personal life, I’m a little bit busy working in a Tele-Educational portal in a department of my school. Likewise, some friends and I are creating a company called Onírca. We will give consulting services and solutions to other companies, offering help to adapt them to Internet and the new technologies. Some projects are, for instance, the development of e-commerce software, a Spanish portal and to continue with the improvement of our Linux distribution (Eurielec Linux).

Ah! Also I’m trying to devote a little more time to my degree :)

Murphy’s Law

Tell a man there are 300 billion stars in the universe and he’ll believe you. Tell him a bench has wet paint on it and he’ll have to touch it to be sure

Newsletter editor



Denise

Dear EESTEC members,

First of all, let me give you some information on my biographical data. I am a Singaporean and I am studying Electrical and Electronics Engineering in Imperial College in London.

EESTEC was started in London LC when I was in my second year. I was immediately attracted by its pan-European emphasis. Through workshops and exchanges, EESTEC enables me to know engineering students and companies throughout Europe. It allows me to learn about foreign cultures and gain an insight into industries. I started to know the administration of EESTEC better through Alessia when we were both doing research in United States. Frankly, I was impressed by the enthusiasm and capability of EESTEC members and I was greatly motivated to contribute to EESTEC. It was then that I took up the challenge to be the editor.

I have many different interests. I like backpacking, and I have traveled to places like Austria, Czech Republic, Turkey, Paris, Scotland, Germany, and the U.S.A. Furthermore, I like music. I used to be a percussionist in a band and a guitarist in a club. I love watching musicals and so far I have managed to watch seven of them. Occasionally, I like to escape to the great outdoors and try challenging sports like kayaking, rock climbing, sailing and trekking. I definitely enjoy a good chat with friends. Or sometimes I just like to relax and sip coffee, while I watch the world passes me by.

I think that the newsletter has a significant role to play in an international society like EESTEC. Through updates of current events, important announcements, and views, members were brought closer together in spirit, although they were separated by geographical barriers. My personal goal is thus to make the newsletter informative

and interesting, so as to facilitate the exchange of ideas and views of members across Europe. I wish to thank the board and EESTEC members for giving me this opportunity. I will try my best to find interesting and lucid articles and make sure that the newsletter will be published on time every month.

Yours sincerely,

A handwritten signature in cursive script that reads 'Denise'.

Denise
(Hwee Peng, Ang)
EESTEC Newsletter Editor

Murphy's Law

To error is human, but to really foul things up requires a computer

Congress Organizing Committee 2000

History

As you have read many times before in this yearbook, EESTEC was founded in 1986 in the Netherlands. The organization has changed a lot during the fourteen years of its existence. Since EESTEC is a democratic association, the members (= the LC's) are the ones that make the decisions. Once every year the members assemble for a week to have a meeting, called the congress.

Because this is the first yearbook, here is the full list of congresses held so far: 1986 – Eindhoven, 1987 – Nova Gorica/Ljubljana, 1988 – Aveiro/Lisbon, 1989 – Budapest, 1990 – Zürich, 1991 – Vienna, 1992 – Madrid, 1993 – Budapest, 1994 – Aachen, 1995 – Zürich, 1996 – Aachen, 1997 – Tampere/Helsinki, 1998 – Bologna, 1999 – Ljubljana.

Purpose in EESTEC

Each year two representatives are sent to the congress by all members. Three general meetings are held during a congress in which EESTEC matters are discussed and decisions are made concerning the future, finances, the VIPs, the structure etc.

Also, three workshop-sessions are held where the representatives contemplate about or work on a certain subject important to EESTEC. Examples of topics for the workshops are sponsoring, activation, presentation etc.

Apart from an official side a congress also has a cultural and social side. Excursions to the university, city and companies are made. All of which have some importance to the organizing LC. Also the local food is consumed and all the people present develop an international bond with each other. LC Delft is proud to be the LC organizing the fourteenth congress of EESTEC.

The Congress Organizing Committee consists of six people:

Daniël Vree	Chairman
Paul Oudshoorn	Secretary
Marijn Rijken	Treasurer
Leendert Jan van Koppen	Responsible for the accommodation
Jan Jan Lowijs	Responsible for the facilities
Bas Bijlsma	Responsible for the program

The new challenge

Raging with enthusiasm about the great time we had in Ljubljana and the feeling of becoming the next COC, we started working right after the congress. During the long trip back to Delft the three people who went to the congress wrote down a lot of ideas for next year. This was done to prevent forgetting any detail. Honestly, a 15-hour trip by train is the best place for a brainstormsession.

The challenges we are facing now is to actually get the budgeted amount of income, not to exceed the budgeted expenses, set the location of the congress (again since our first location will not be finished in time for the congress) and organize the best congress ever. Just four small goals to be reached.

Future

It will become harder to organize a congress for an ever growing amount of participants. For the Delft congress we expect to welcome 80 participants, in future this will increase linearly with the activation results. EESTEC will have to challenge this –possible- problem before it arises.

Furthermore, I hope that every attendant had a great time in The Netherlands, during the congress of 2000.



The Congress Organizing Committee

Murphy's Law

An expert is one who knows more and more about less and less until he knows absolutely everything about nothing

LC Aachen

Name:

Sektion der EESTEC für Aachen e.V.

History:

1986 first German visitors on foundation congress (National Committee for Germany was Munich).

1987 Aachen applied for full membership as National Committee for Germany and was accepted.

Organized events:

nov 1987 workshop on "Technology and Society"

mar 1989 practice week on "The Analog Computer"

okt/apr 1989/1990 exchange with Budapest

okt/apr 1990/1991 exchange with Budapest

may 1991 workshop on "Energy Supply - Reality and Alternatives"

okt/apr 1991/1992 exchange with Budapest

aug/okt 1992 exchange with Israel

okt/apr 1992/1993 exchange with Budapest

apr/okt 1993 exchange with St. Petersburg

nov/may 1993/1994 exchange with Ljubljana

apr/okt 1994 exchange with St. Petersburg

may 1994 8th congress in Aachen

jan 1995 workshop on "Electrical Engineering studies in Europe"

may 1995 exchange with Valenciennes

nov 1995 exchange with Helsinki/Stockholm

nov 1995 exchange with Madrid

1996 10th congress in Aachen

may 1996 exchange with St. Petersburg

jun 1997 exchange with St. Petersburg

dec 1997 workshop on "coordination of future foreign activities"

jun 1998 exchange with St. Petersburg

dec 1998 workshop on "microsystems technologies"

apr 1999 exchange with Prague

may 1999 exchange with St. Petersburg

dec 1999 workshop on "coordination of future foreign activities"

Structure:

The board (Vorstand): 3 boardmembers of equal rank + treasurer (Kassenfuehrer) and of course all other members

As department for international contacts we are part of the student council for electrical engineering.

Current members:

10

CP:

Timo Kontio
Großkölnstr. 60
D-52062 Aachen
timo.kontio@post.rwth-aachen.de

Future plans:

may 2000 exchange with Sevastopol in coop. with LC Munich
jun 2000 exchange with St. Petersburg
dec 2000 workshop

First workshop 1987:

The first workshop in Aachen "Technology and Society" took place in November of '87 and lasted four days. Students from Belgium, Czechoslovakia, Finland, France, Hungary, The Netherlands, Poland, Yugoslavia, and, of course, Germany participated in the workshop. Dealing with the main topic two discussion groups were formed and worked on "Automation and Rationalization and their effects on society" and "Communication and Information Systems". Interestingly, this workshop did not only cover the work of the discussion groups, but also several topics that are now dealt with almost exclusively on our annual congress.

Digging through the old report, I realized the time that this event took place in. It is only twelve years ago, but they were discussing totally different topics than we would today. For example, opposing objectives for rationalization and automation in eastern and western countries. In the general meeting, long before e-mail became a nor-

mal thing, one NatCom suggested the use of TELEX machines for faster and cheaper written communication between the NatComs. Amazingly, the participants of the "Communication and Information Systems" discussion group almost predicted the millenium bug problem when they stated the thesis that, "Nearly everybody appreciates technical progress, but on the other hand you are becoming dependent on machines."

Workshop 1991:

Our workshop on 'Energy-Supply, Reality and Alternatives' in May 1991 was the basis for the idea of the project 'Wind-power in Estonia'. Some of the lectures dealt with the topics 'renewable energy' and 'decentralized energy-supply'. As there were four participants from Estonia, we heard a lot about their ecological problems, that are caused a lot by the electricity-production with oil-shale, the only fossil energy-resource in Estonia.

The project 'Wind-power in Estonia' comprised the erection of a wind generator in the area of Tallinn as well as the establishment of a small information centre on modern energy-supply-systems. The wind generator should have been a significant symbol of modern, clean and cheap production of electricity. Therefore it is located in a well seen place near Tallinn. This EESTEC-project was also mentioned in a well-known technical journal.

We had an offer for a wind generator that fitted in our financial limits, but this offer came from Germany. The transport costs for moving the generator from Germany to Estonia overtook the value of the wind generator by thousands of German Marks. But, although this wind generator has never been installed it was a great experience in planning and working together with other European students.

Exchange St. Petersburg:

Everything is different in St.Petersburg, different from any city in Europe. Everything is very dynamic. Sadly enough this does not necessarily mean dynamic in a positive way.

Whenever you are preparing everything for your first trip to Russia you get many good advices from everybody who has already been there. Comparing these advices you quickly realize that the only consistent thing about them is that they change every year, especially when you are looking at gifts for the hosts, exchanging money, prices for the trip to get there and many more.

Unchangeable is nevertheless the hospitality of all our Russian hosts and the magnificence of the ancient castles and palaces in and around St. Petersburg.

We have been organizing this exchange every year since 1991, thus it is the most traditional of our LC. It is also special in another way, because our exchange partners are the faculty for humanities and the faculty for economics.

Each group spends two weeks to get to know the hosting country. Traditionally our agenda in St. Petersburg includes numerous visits to the city centre like the Hermitage and St. Isaac's Cathedral. It also usually covers countless sights in the surrounding countryside. One special highlight is the "Versailles of the East" the "Palace of Peterhof". It is however not the beauty of the city, but above all the inside experience of the culture in the families that make this exchange so special. The hospitality that shows in occasional invitations of the host father to "small" drinks and regular invitations of the host mother to huge meals put the cultural sights to shame almost every day. The adventures of public transportation or shopping competed with the churches, too.

These experiences with the uniqueness of the people of St. Petersburg will stay forever in the memories of the participants. And this we can guarantee for the future, too.

Murphy's Law

If you can't understand it, it is intuitively obvious

LC Budapest

Our Association

LC Budapest is officially an organization registered in Hungary under the name “Magyar Villamosmérnök-hallgatók Egyesülete” (MAVE), which means Electrical Engineering Students’ Hungarian Association (EESHA). This association was founded 1991, but its history is even older.

In the early period of EESTEC, since 1986, EESTEC did not consist of LC’s (Local Committees) but of NatComs (National Committees). As one of the founders, NatCom Hungary was also represented at the first EESTEC Congress in 1986 in the Netherlands. This Hungarian NatCom has become the core of the later founded EESHA.

Since this Budapest has been an active member of EESTEC. In the history of EESTEC Budapest has organized the Congress in 1989 and 1993, has given a chairman in 1991 and vice-chairmen in 1993 and 1995. Budapest has organized a Workshop in 1992 with the topic (Peripheral Regions of the Electrical Engineering Science). The International Bureau was located in Budapest also for a while. We had also lots of successful exchanges, with Germany, Austria, Israel, Belgium, Switzerland, Slovenia and Italy.

EESHA is mainly functioning at the Technical University of Budapest (TUB), which is the only educational organization in Hungary that gives a university level electric engineer diploma. The seat of EESHA is located in the main building of the TUB. We share the office with the National Committee of IAESTE. Currently all the members are students of the TUB.

EESHA has not only abroad activities, we have also organized events in Hungary for Hungarian electrical engineering students. Traditionally EESHA has always had good contact with the Hungarian National Committee of IAESTE (we have the same office at the TUB). As the Faculty of Electrical Engineering and Computer Science at the TUB has a very strong and active Student Government, we are currently establishing a connection to them also.

The Association's Structure

This was a short historical review. Now a little bit about the structural organization of the EESHA. The main principal decision making body of the EESHA is the General Assembly, which comes together twice a year, in spring and autumn. The head of the association is the National Committee, which consist of 3 people, who are elected during the autumn General Meeting. The National Committee consists of the Chairman, the Vice-Chairman and the Treasurer. Also during the autumn General Meeting an Oversight Committee has to be elected, which consists of two people.

Activation Problem

In the last three years EESHA had to face a problem, which rises in each LC in different ways. The problem was, that our association consisted of students mainly of the same age, and so as they have left the university EESHA almost died. For more than one and a half year, EESHA only consisted of one member, who stayed at the TUB to make his PhD studies. He lastly succeeded in activating some fresh people at the end of 1998, who took then part in two great workshops.

Reincarnation

Three of us were at the Aachen workshop on "Microsystem Technology" and 3 of us at the "Measurement Technology Workshop" in Helsinki. After two years of absence we also took part on the 1999 Congress in Slovenia.

For the Microsystem Workshop in Aachen, LC Budapest has sent three absolute newcomers, who had no experience with EESTEC before. But the workshop was so good and they have liked the EESTEC spirit so much that they became active members of LC Budapest.



Aachen Workshop party

In April 1999 two of us have participated a wonderful Congress in Slovenia.



Congress participants in Slovenia at Hermes SoftLab

Cancelled Workshop

After this reactivation of LC Budapest some of the old members and the new ones came together on a big meeting, where we decided to make a workshop. This workshop should have taken the title “Power Engineering”, as we had some contacts to such companies. Unfortunately our timing and advertising was not the best, so we couldn’t get as many people as we wanted. Another problem was that shortly before our workshop there was the 1999 Congress in Slovenia and exactly at the same time there was also an exchange in Italy. At the end we had no other choice than to cancel the workshop.

New Try

After the cancelled workshop our enthusiasm crashed. We have received an invitation from Zurich for an exchange, but we haven’t been very optimistic, whether we could find enough people to send to Switzerland. Fortunately we have found even more than we wanted, so at the end we even had to select the 10 best.

Zurich Exchange

The Exchange was in all points a success. Our people have had a great time by their hosts and EESHA has also found new active members, who were willing to help in other activities.

Near Future

Currently we are organizing the Back Exchange with Zurich, which will take place from the 3rd to the 9th October. As we received a request from LC Munich to organize an exchange, and as we wanted to make something bigger, we have invited LC Munich also to this Exchange. We do our all best to make this event here in Budapest a complete success.

We also try to take part on all future EESTEC events, so we try to send people to each Workshop announced.



Photo taken during the Exchange

Future dreams

Before the cancelled workshop and the Congress 1999, we have dreamt of maybe organizing the Congress 2001, but after this experience we have learnt that we have to do the things step by step. That's why we think, our next step will be another Exchange and a Workshop in the second half of 2000 or at the beginning of 2001.

We are open for new ideas and contacts of the coming millennium.

LC Budapest
eestec@sch.bme.hu
<http://www.eestec.bme.hu>

Technical University of Budapest

<http://www.bme.hu>

The Technical University of Budapest (TUB) was founded 1782 and since that time it is functioning continuously. In the buildings of the TUB many well known scientists of our century have studied. The TUB is today a multilingual university with strong international connections.

- * Campus situated in the capitol of Hungary at the right bank of the Danube
- * over 200.000 square meters, one of Hungary's biggest university
- * 8 faculties, 15.630 students all over; 783 newcomers and 326 degrees awarded at the Faculty of Electrical Engineering and Computer Science
- * educational staff 2342 person (1017 teachers)
- * yearly budget HUF 12 billion (EUR 48 million)

Murphy's Law

When all else fails, read the instructions

LC Bologna

Seat:

Università degli Studi di Bologna
C/O ITER, ITinerari EuRopei
Facoltà di Ingegneria
viale Risorgimento, 2
I-40124 Bologna

History:

EESTEC LC Bologna was funded in 1990 at the 4th EESTEC Congress in Switzerland. The Student association which hosts EESTEC in Bologna is called ITER, ITinerari EuRopei, which was funded in Bologna at the Engineering faculty in 1989 thanks to 30 students. ITER is completely apolitical, differently to all other student associations within the faculty. The primary aim of ITER was the one of helping students in finding information on mobility in Europe, communitarian projects, etc... However with EESTEC this aim was progressively forgotten, and now the activity of ITER is completely involved with EESTEC only.

ITER has always been the first one within EESTEC for presence in the events, taking part in all Congresses, many Workshops and Exchanges. However it has never been brilliant in organisational matters as it has never organised Congresses or Workshops, even if very many nice Exchanges were completed. We joined the Congress 97, Exchange Bologna-Zurich 97, Workshop Zurich 97, Aachen Gluehwein weekend 97, Congress 98, Workshop Finland 98, Workshop Madrid 98, Congress Ljubljana 99, Exchange Cosenza 99, Workshop Madrid 99, Workshop London 99.

Our members have also covered some posts within EESTEC International: Flavio Ferrari was member of the Board as Chairman in 1998/99 and Marco Tasselli in the same year was member of the Oversight Committee.

Structure:

ITER-EESTEC Bologna has always had a Board, similar to the one of EESTEC, with functions of representing the association, give the guidelines to the projects and so on. It is composed of a Chairman, a Vice-Chairman, a Secretary and a Treasurer. Memembers used to subscribe before joining the activities, but this has never happened in the recent past leading to an etherogeneous group of people rather than a typical association.

Situation:

It is not happily shining here due to institutional problems within the University, mostly due to our University system, the attitude of our professors and the scarce perception of the EESTCE ideas by the 'average students' attending our University (of course we are always sure that EESTEC students ARE ABOVE the AVERAGE). Unfortunately our system has no clear room for institutions like our association, with no political aim, and willing to organise something good and positive to the students without necessarily opposing to someone else. This is partly why we do not have any infrastructures such as an office (but even Professors often do not...), we have serious communication problems (no phone, no fax, 1 computer pentium 100, 16 MByte RAM with Windows NT on it!! impossible to work on!!).

What is worse is that we are struggling to involve professors who are hard to understand our SERIOUS AIMS and they have too much to do to try to help us... :(. Things seem to start moving now. Those who are really tough to involve are sponsors who usually do not answer emails, are almost unreachable on the phone and have to many money-requests as they say. In this 'jungle' it's very hard for us to run an organisation but we still survive with lots of energy and with our typical fancy.



*In the picture from the left:
Gabriele 'Ghiogghiu' Salgò, Nicola Fiocchi, Flavio Ferrari, Enrico 'Bisca'
Strozzi, Cecilia 'Ceci' Razzetti, Andrea 'Folpo' Welponer, Fabio Tonti*

The challenge:

Our challenge is to change this 'jungle' enough to keep it tided for some years to come. We are engaging all our energies to organise a BIG and HIGH QUALITY EVENT: we are planning a Workshop about 'New Technologies and Society'. This needs a lot of co-operation among us, some considerable financial support and institutional support by the University. This will lead to:

- internal organisation
- external publicity with sponsors, institutions, Professors but mostly among students.
- a great event!

Members:

Flavio Ferrari
Marco Tasselli
Nicola Fiocchi
Cecilia Razzetti
Andrea Welponer
Gabriele Salgò
Elisa Filippi
Davide Nascetti
Enrico Tognoni
Enrico Strozzi
Fabio Tonti
Marco Gentili
Francesco Lanzetta

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fax: +39-051 644 3604 Att. ITER

Murphy's Law

Nothing motivates a man more than to see his boss putting in an honest day's work

LC Cosenza

The birth

“... so when the mirror becomes like a thin layer of fog, the three little girls without any fear decided to jump into, attracted by a new world that sounded so different and far. As soon as they were on the other side of the mirror, apparently everything was similar, if not completely equal, to the normal world; instead after some minutes the chessboard’s pieces and all the flowers started to talk and walk, and they understood that it wouldn’t have been just an adventure, but a complete new world to discover and live...” Thanks to Lewis Carroll for the inspiration he gave us with ‘Alice in wonderland’, effectively his tale is similar to the LC Cosenza’s birth in 1998.



New Challenge

Just two years have passed since the Reggio Emilia Congress and now the people involved in our NEW CHALLENGE are in number as the vital, joyful, little spotted dogs of '101 Dalmatians'. What can you imagine about all these people, industrious as 'The Ant-Z', and with same exploring will of 'Ulysses'? Of course that they are able of daily working, of taking the right wind in order to ride the EESTEC Wave and deciding to race with William Fog, '80 Days around the world' main character, take part to all 1998-99 organised events, also to know and understand the mind's motivations and the heart's feelings of the fabulous EESTEC People.

Year Zero: "Discovering Mare Nostrum" Exchange - May 1998. After having had all these experiences, after having run for the C.O.C., and having produced a boardmember, it was time for LC Cosenza in year zero of its history, believing, as 'Aladdin' in the EESTEC genius, decided to 'rub the oil-lamp', so it could expresses its three desires:

- * Host as many EESTECers as possible, in the best way it was possible;
- * Make feel the warmth of our people and show the culture and the beauty of our land;
- * And the last? That it wasn't the last!



Future

About it, LC Cosenza is proud to announce its first workshop, it will be held from the 28th of May up to the 3rd of June with the subject: "Internet Improvements". It will be organised for 45 students, so that we hope to have someone from every LC and since Cosenza, as someone said, the southern edge of Europe (just geographically, because we are in the middle of the world with our WILL-POWER) we are also exploring the possibilities to reimburse (partially!) the travel expenses.

UNICAL (University of Calabria)

The University of Calabria, since the very beginning of its activity, which took place in the year 1972, has worked very hard to develop research both at national and international level. It provides for University high quality education focused to student's qualification in important fields such as Arts, Economics, Engineering, Mathematics, Physics, Natural Science, Pharmacy and Law. The University of Calabria has a European standard education, which welcomes students from other countries, who come in the South of Italy also because it's an attractive, friendly, beautiful and safe place to live.

The Faculty of Engineering offers seven degree courses, each based on a full-time five year curriculum:

- Building, Chemical, Civil, Computer Science, Environmental, Management, Mechanical.

The 'numbers' of the Faculty of Engineering are:

Teaching Staff	90
Researchers	50
Students enrolled	6000

Useful addresses:

www.ingegneria.unical.it

International Office:

E-mail: socrates@unical.it



LC Delft

Name

EESTEC Local Committee Delft is the name we use to indicate the students in Delft, who are interested in EESTEC. We don't have an independent, official organisation. In Delft EESTEC is part of our local electrical engineering guild, called the "Electrotechnische Vereniging", ETV for short.

Organisational structure

The ETV is the student association for the Department of Electrical Engineering of Delft University of Technology. The statutory goal of the ETV is to promote electrical engineering and to serve the interest of the students. The ETV is a very active organisation, which organises various activities for its 700 members. The board of the ETV consists of six students, who stop their studies for one year. Some of the core activities of the board are the sale of studbooks, influence in education and organising excursions. Also a lot of activities are organised by committees, for example studytours, symposiums, producing a magazine and a yearbook. In the same way every year we have new a committee organising an exchange within EESTEC. This committee forms the basic of our LC. Furthermore one of the members of the board of the ETV occupies the post of the contact person of LC Delft.

History and Organised events

As far as I know, Delft has been an EESTEC member since the foundation of EESTEC in 1986. But the level of activation varies less or more sinusoidal in the time. This level is dependent on the occasionally present students within the ETV, who are interested in EESTEC and are willing to organise something. But as the ETV is the "body" of our LC, a low number of interested and active people did not mean running the risk of starvation of our LC.

Organised events as far as I know:

- 1991: Exchange Israel
- 1993: Workshop "Bridging the gap between university and companies"
- 1994: Exchange Zurich
- 1997: Exchange Surrey
- 1998: Exchange Zurich
- 1999: Exchange Cosenza and Helsinki

Number of members

Because we do not have an official LC, it is hard to give a list of our members. To following people are active at the moment or have participated in a recent event.

Daniel Vree	Paul Oudshoorn
Marijn Rijken	Bas Bijlsma
Leendert Jan van Koppen	Jan Jan Lowijs
Bart Loffeld (CP)	Bart Vissers
Ronald Westerlaken	Mark van Staalduinen
Abalouahab Skalli	Rick van der Arend

Future plans

We are thinking about the possibility of founding an LC Delft, distinguishable of the ETV. Therefore it is necessary to have more members, especially to have more long-term members. One way we try to get more students interested is to organise and participate in more events. This year we have organised a double exchange with Cosenza and Helsinki and we are organising the Congress 2000.

A recent picture of the whole LC

Since we did not have a picture of our whole LC together, we decided to place our passport photo's. The photo's are in the same order as in 'number of members' (First row: Daniel, Paul, Marijn; second Bas, Leendert Jan etc.), so you can pick a name with the picture.



LC Helsinki

LC Helsinki, which currently comprises of about sixty members, has one of the longest histories of all the local committees in the EESTEC organization. It goes back as far as 1985, when the student union at the Helsinki University of Technology (HUT) invited students of technology from all over Europe to participate in the event commonly referred to as OOO, or "Otaniemi October Occasion", which took place at the university's campus, Otaniemi.

The event served as a good opportunity for Dutch and Finnish students that had been in touch from before to discuss in great detail their idea of establishing a European Electrical Engineering students' Cooperation Body. As a result of their work at the Otaniemi conference EESTEC was officially established in the Netherlands the following spring.

It was of course, rather natural that the Finnish delegation was quite at the heart of EESTEC activities in the first moments of its existence, however the Finnish National Committee (as the local committees were referred to back then) somewhat withered away for one simple reason that all the major EESTEC events took place exactly around the national holidays of Wappu (the 1st of May) and the Midsummer, which not a single more or less self-respecting Finnish student would even dream of missing.

Nevertheless, EESTEC archives compiled by then active Finnish members of the organization remained, just to be discovered almost ten years since the first days of EESTEC's existence by a very dedicated activist of the HUT's Electrical Engineers' guild Petro Airas (Putte), who ventured to take a combined interrail and research trip to the Central Europe, where the hot EESTEC stuff was happening, in such way leading to a complete reincarnation of an LC Helsinki.

A year later Mervi Honkanen (Memmu) was elected a vice-chairman for the Felippo Tasselli's board, bringing the LC into full arena of international life. With great enthusiasm, she managed to stuff the LC with truly internationally minded people bringing a dream of or-

ganizing the first official LC Helsinki Workshop in conjunction with the guild's 75th anniversary to reality in February 1996.

The first Workshop was also a start of a long productive relationship with another Finnish LC, the Local Committee Tampere that was to continue into the days of the EESTEC Congress 1997 that was held in Helsinki. Organization of the congress was faithfully shared between the two LC, bringing the event into quite a success.



The week of congress was filled with extremely fruitful meetings, excursions, traditional Finnish sauna evenings and also traditional EESTEC kimble tournaments. Among the great fun very serious official guidelines for next year of EESTEC's life were developed by the participants. The organizers congratulated themselves on completing the Congress report with the speed of light to finalize it just a couple of hours before heading for the Software Workshop in Zürich.

In their trip to the Zürich Workshop, representatives of the LC Helsinki did not fail to demonstrate their great Finnish stamina and true EESTEC spirit by driving all the way from the Nordic latitudes to the Central Europe, which probably only an irrevocably insane

person would consider doing. A group of eight completely wild Finns, nevertheless, got on a VW van in order to get themselves to the beautiful hills of Switzerland. The trip was truly enriching, as the gang took a ferry to Tallinn and drove all the way through the Baltic countries pulling over at a motel in Lithuania for a five-hour break and then continuing to Poland and Germany. Surprisingly enough, all eight ended up in Zürich absolutely on time after a two and a half - day drive.

Academic year of 1997-98 was internal relations development year for the LC. The first half of the year was seriously dedicated to attracting new people to the work carried by EESTEC, as the older activists were somewhat considering retirement in order to concentrate on their studies. However, the year was notable for LC Helsinki finally deciding to approach the rector of the Helsinki University of Technology to basically achieve two things, firstly to get the rector acquainted with the organization and secondly to convince him to sponsor the members in their travels. Result was a start of very successful and mutually beneficial relationship between LC Helsinki and the University rector.



During the following two years, LC Helsinki had (and still does so) a strong hold over one of the seats on the EESTEC board through such representatives as Harri Mansikkamäki and Iikka Vakiparta.

LC's existence has been a total blast, however there were also downs, such as for instance the struggles in organizing the last Workshop, when nothing until practically the very last moments seemed to work. But, thanks to the total dedication and persistence on behalf of the organizers, which are important in getting anything going, the Workshop on Measurement Technology held in Helsinki last year turned into a total success, which was though quite a test on survival in extreme Nordic conditions for a lot of the participants. No fatalities, however were observed.

As a group, LC Helsinki tries to promote the spirit of internationalism and friendships across borders through all the activities it organizes or participates in. It is a part of the biggest guild at the University, where about 2000 undergraduate electrical engineering students are listed as members. As a local group it is truly international, several foreign students studying at the department are involved in the EESTEC and hence in the happenings organized by the LC Helsinki, in such way bringing a special flavor of their culture and country into our life.

Most notable events of this year are participation of eight students in an exchange organized by LC Delft, hosting of the EESTEC Alumni meeting and organizing a double exchange with Delft and Ljubljana. Some of the LC members are also working on a new event, so far referred to as the TEE that might be introduced as a part of the EESTEC activities' portfolio next year.

contact info: eestec@hut.fi

Local Committee Helsinki:

Otakaari 5A
02150 Espoo
Finland

LC Istanbul

LC Istanbul of EESTEC is established in 1999, after being officially accepted as a local committee in 1999 General Congress. Two of our members of the committee, participated to the General Congress in Ljubljana between April 11-18-1999. We made meetings open to all graduate and post-graduate students in Istanbul University.

As being a new LC, We are trying to form the infrastructure of the LC firstly. We have members from 2 universities; Istanbul University and Bilkent University in Ankara. We are still in contact with the other universities in Istanbul and Ankara to be a member of EESTEC. There are 30 members of LC from Istanbul University and 7 from Bilkent University. Each university has its own organisational structure and the representatives from the member universities choose the LC board. The board members are listed below;

Omer Fatih Sayan, Aykut Acikgoz, Serpil Duru, Serdar Toraman and Fatma Betul Sayan representing Bilkent University board and Onur Baskaya representing the Istanbul University board are the members of LC Istanbul board. Board meets on the first Sundays, in every month.

Istanbul University Engineering Faculty's main building is damaged by the big Marmara earthquake the studies of the LC has been in a slow process till now. But in year 2000, LC Istanbul will finish its establishing process. It will participate more actively in EESTEC International projects. Mail manager in co-ordination with the other members is preparing the Web page of LC. We also plan to reach all of the students in our universities to show the importance of international Cupertino and information exchange in the global world. We are open to all kind of sponsorship and are also searching the possible sponsorship opportunities from private companies or governmental institutes.

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Yilcay Han 5/27 Fatih-Istanbul

LC Ljubljana

Ljubljana, the capital, city of Culture, home city of EESTEC LC Ljubljana. Our association was officially founded in 1997, under the name “Zdruzenje studentov elektrotehnike in racunalnistva”. But our history starts much earlier, as one of the founders EESTEC International. Our organisation is even older than our country (Slovenia became independent in 1991).

Things we done in the past

Slovenia (before Yugoslavia) was one of the founders of EESTEC in 1986. Then it was decided that Ljubljana would be the host of the first EESTEC Congress in 1987. Cities of Ljubljana and Nova Gorica hosted 15 Delegations from 14 European countries and Canada as observer. At that time our people (I can't say LC, because back then there was a National Committee, and Slovenia was then a part of NC Yugoslavia, which consisted of more LC's all over the state) were also the Newsletter publishers.



The Ljubljana Congress 1999

We are now very proud on our ancestors and their rich heritage to future generations. Unfortunately after that we don't have much records of EESTEC activities. There were exchanges going on all the time, but EESTEC LC Ljubljana was never a big association. It was always a group of friends, prepared to have fun with foreign students.

The turning point was the Congress in Finland in 1997. Since then many activities were organised. Students from Ljubljana were always members of bodies of EESTEC International. All led to the biggest EESTEC event in Slovenia: 13th EESTEC Congress 1999. An hotel in Skofja Loka hosted 28 delegations from 18 European countries and two observes.

Why, what and where are we?

Why? Because it is great to be a student. Not just to study, but to travel, meet foreign people and other cultures, to.... it goes on and on.



What are we? One of 22 associations under KOMISP (Organisational committee of International exchanges and student practice). We represent two faculties (Faculty of electrical Engineering and Faculty of Computer and Information science). Basically, we are a group of people sharing same enthusiasm to travel and have fun.

Where are we? Our official seat is International office in K4. It is situated above the most known student nightclub in Ljubljana. Our meetings often include free musical massage from the guys below getting warm for a late concert. When you search for us, check the surrounding bars!!!

What to expect by visiting Slovenia

Slovenia, the green treasure of Europe. A colourful land with a preserved natural environment lying in the centre of Europe at the junction of three geological regions: the Alps, the Mediterranean, and the Pannonian Plain. The variety of nature, food, wine and beer and agile spirit of local people will never let you be bored.



We might spend the night in a mountain hut, having breakfast on a raft boat before paddling down the mountain river, serving dinner in a wine cellar and just catching sunset on the seaside. Or, just cruising through Old city of Ljubljana, listening to the street concert and having tea in one of many small bars lightened with candles.

Prospects

"You never know what you are gonna get, life is like a box of chocolate" (Forest Gump). We do know that EESTEC will go on. This years Congress was a big project for us. But also, it was a huge boost for our LC. It gave us a lot of know-how about organising, many new contacts in companies. A lot has been done on promoting EESTEC to EE students in Ljubljana, so our member list is getting longer and longer. With new people we have got new ideas and energy. EESTEC LC Ljubljana became an association respected by students, professors and sponsors. Still, we are trying to be a bunch (although a little bigger then in past) of friends having fun with our foreign colleagues.

Hey, we cannot wait to peak a glass, to toast with you, and scream our motto: "What doesn't kill us makes us stronger."

LC London

Past history & structure

The local committee in London was founded in late 1998 by two third-year students, Alessia Toni and Lai Hock Tay. They had both been to the congress in Reggio Emilia and now wanted to spread the EESTEC idea in London, or to be more specific, at Imperial College. EESTEC started out as a standard club of Imperial College Union, our student governing body, responsible for administration, resources and facilities. However it now has been turned into a departmental society for Electrical Engineers, meaning that all the EE students here automatically are members. Being part of this student union, LC London has to stick to a few basic rules. These include annual committee elections, having a proper budget, being open to any student etc...



In return, the Union provides their financial aid, offer their many facilities and a platform to get the students to know about EESTEC. So, the London committee now has 10 officers to cope with all the work and administration. However, EESTEC in London does not pro-

vide the students with additional services outside the usual EESTEC activities. Things like dinners, booksales, parties etc. are already provided by other union clubs or the union itself.



LC London events

Last year, Alessia and Lai Hock managed to get people interested and involved. A trip to Reggio was organised in February, three people went to the congress in Ljubljana, and by the time LC Vienna invited us in June, there were more than 15 people active for LC London.

So, with all this manpower, the committee had decided to organise a workshop in December 1999. Everything is looking good, so far.

In autumn 1999, our Events Officer, Thomas Liaw, decided to extend EESTEC's activities and organise short trips to companies for London students.

LC London people

1999 was a very successful year for LC London. We managed to get EESTEC started at Imperial and immediately after being founded were given the opportunity to have a greater weight internationally, thus committing ourselves even more. Alessia Toni, co-founder, is now VP of EESTEC and Denise Ang was appointed newsletter editor in autumn.

The other newcomers (everyone apart from Alessia) are

Zouhair Belkoura	President
Leong, Yuen Yoong	Vice
Poon, Tuck Yeen	Treasurer
Chia , Peir Wei	Secretary
Matteo Floris	Industrial Liaison
Javier Cuadriello	Webmaster
Max Cecchini	Publicity
Thomas Liaw	Events
Tim Chan	Events
Ee Chong	International Sponsoring

Paolo, Paul, Shung, Duane, Lawrence, Sunil, Yin Loong, Mitul, and others.



Murphy's Law

Any instrument when dropped will roll into the least accessible corner

LC Oulu

LC Oulu was founded during spring 1997 in the Congress in Helsinki with Kaisu Mäkelä and Jani Hopia participating. At that time our group was small, but still we were able to participate in every congress and some workshops as well. The concrete action started in the spring 1999 when we organized a student exchange. That got us really started and after that we got many new active members.

Here is our year 1999 briefly:

Our year started pretty quietly. There weren't many happenings as many of our LC's founders were abroad as exchange students. Before going abroad, Kaisu inspired people to arrange an exchange with Vienna. The idea took off step by step.



Party at Kasca

Then came an invitation to the Congress of Ljubljana. Kati Vainio was very interested and tried to get someone to go along. So Kati and Anne Lahtinen decided to go to the Congress. But there were some problems concerning LC Oulu; we didn't have any chairperson. We arranged a meeting where a chairperson was to be elected and preparations for the Congress were to be made. This meeting wasn't a big success. Only four people showed up. Kristiina Hietala was elected to be LC Oulu's chairperson even though she was absent from the meeting. Luckily she agreed when she was told afterwards about her new appointment. The Congress in the fantastically beautiful Slovenia gave us many fresh ideas and inspired us to try to make LC Oulu more active and better known among students. In the Congress we also promised to organize something cold and funny during January 2000.



Playing Kyykkä in Hailuoto

At the very same time preparations for the exchange with LC Vienna were going on. The decision was made and the date was set from 22nd to 29th of May. Getting the sponsorship was a tough job but we were to pull it off. Planning of the agenda proved to be very interesting and fun. Finally everything was ready but three weeks before the exchange was supposed to take place LC Vienna informed us that they were not able to come due to some major difficulties. The reason was satisfactory but it left us with a little panic since we didn't want to throw away all the hard work we had done. And also we really didn't want to break all the promises we had given to our spon-

sors. After a little confusion we decided not to give up. Finally we got four visitors from LC Reggio Emilia, two from LC Cosenza and one from LC Zurich. We had wonderful time with them and we learned many things about organizing an EESTEC event. All the thanks belong to great organizing team Sanna Alatalo, Jani Heikkinen, Sari Järvinen, Nonna Kostamo, Petra Ollitervo, Heikki Saloranta, Janne Vepsäläinen and Marianne Yrjänä. And of course to our lovely visitors.



At the welcome party in Vienna

It was 22nd of June and the time to visit LC Vienna. It was FUN with FUN and with even more FUN. We liked the accommodation with local students a lot since it was a fantastic way to get to know local people very well. During the very best day we visited Siemens after which we went to vantage point to see the whole Vienna. We also had a picnic and in the evening we went to a wine place. But everything nice ends sometime and we left for home at 29th of June.

We also had two members participating a wonderful Workshop in Madrid and two members are also going to London's workshop.



We had FUN in Madrid.

During last summer we started to prepare the event we had promised to organize during January 2000. At first it was supposed to be another exchange but it turned out to be a workshop called 'Oulu - The City Of The Winter And Technology'. It is always a job and a half to get the required sponsorship but somehow things always seem to work out well with a lot of hard work and good team spirit. During the workshop we are going to present our visitors with the electrical engineering department and it's labs and the silicon valley a la Oulu with companies such as Nokia. And naturally there will be some COLD and FUNNY winter time activities like skiing, Sauna baths in finnish cottages, Arctic Circle, Santa Claus and of course finnish style student life.

The year 1999 has been busy and we got lots of new members. Our group is now size of 15 persons! We are welcoming the next millennium by presenting you with an active LC Oulu in January 2000!



We are LC Oulu.

Murphy's Law

After all is said and done, a hell of a lot more is said than done

LC Paris

A LUCKY DISCOVERY

The story of LC Paris is quite a short one. It all started when two third year students from EPF in Paris met in 1998 an Italian student, member of an EESTEC LC, who was spending one year at EPF.

These students were so enthusiastic that they decided to go the Ljubljana congress in April 1999, where they were elected official LC for France.

DIFFICULT START

Since then it has been a huge amount of desillusion to get started with a real organized team. But their efforts were rewarded when, in November 1999, they participated in a meeting between the school associations and the students.

EN AVANT TOUTE

Then the real work began. There was no structure; no place to work; no idea of how what was to be done. We met every week, and discussed a lot, to establish our strategy and future actions.

At the moment our LC is headed by a president, Thomas Soroko, who went to the London workshop with Sandrine Boiteau, one of the founders of the Paris LC. We also have a Vice, a communication person, a treasurer, a webmaster, and other 10 members.

OUR PROJECTS

Since we have no experience in running a LC it is difficult to organize something yet. We first want to get a legal status, which will allow us to receive money from any sponsor. Sponsors that we don't yet have. Then it should go quickly. We will study the possibility of an exchange or a workshop before the end of the year 2000. Would anybody be interested in coming to France? If yes, let us know, we need encouragement.

If you want to see the list of the members just visit our web site at <http://altern.org/lcparis>

See you soon.

EPF école d'ingénieurs

<http://www.epf.fr>

The EPF is a private engineering school that was founded in 1925, to provide girls with an engineering diploma. It was reckoned in 1938 by the French commission for engineering titles. Since 1994 the school is opened to boys and girls, and it is one of French engineering schools, if not the one, which has the greatest proportion and number of girls.

There are all together about 1000 students, from first to fifth year, and even sixth year. Each promotion is composed with about 170 students, excepted for the bi-diploma formation with Canada, Germany and now Spain, which have smallest promotion (about 10 to 30 students). The students here learn general engineering, and choose an option in fifth year to get specialize, among which:

- * Power Engineering and Environment
- * Systems and Computer Networks
- * Telecommunications
- * Aeronautics and Space

Murphy's Law

Any sufficiently advanced technology is indistinguishable from magic

LC Reggio Emilia.

RCS-SA Reggio Città Studi Student Association



RCS-SA

RCS-SA is the only students association working in Reggio Emilia. It collects about one hundred people from the different faculties in our Atheneum, even though most of them come from “Management and Industrial Engineering”, the main course of our young University.

Founded in 1994 and officially recognised in 1998, since the beginning it was a member of EESTEC as LC Reggio: in fact most of our members are studying engineering, although you can't find any electrical engineer in our team. You can believe we are quite appreciated as a group: nobody ever left us! Actually we lost our first member last month, the first one who graduated in our guild (and in the whole Reggio Emilia University too!).

That much about our youth and our members' skills. Only a few years old, but already lots of activities organised:

1996

- * Participation in the **EESTEC Congress in Aachen**.
- * We have gone in Finland to participate at **“Technique advances with research” Workshop** (Helsinki).
- * In co-operation with ITER (Bologna) we have organised an **exchange with Delft, Twente, Budapest LC’s**.

1997

- * Two of us took part in **Tampere/Helsinki Congress**.
- * May: three members joined the **Software Engineering Workshop in Zurich**.
- * Some of us has gone to Aachen for the “glühwein week-end”. During the first years, our efforts were especially concentrated in the creation of A GROUP. The intent was to grow up, so that in a short time we would have been ready to arrange something important.

1998

- * We took part at an EESTEC appointment in Aachen.
 - * **February: in order to introduce RCS-SA to companies, professors** and “public opinion” in general, we planned a couple of conferences, held by university professors: “An applied research sample: thermonuclear fusion, as a future prospect for energy” and “Reflection on research”. They were also meant to get ready for the next event:
 - * March: on the 17th and 18th of March 100 students joined the journey arranged by RCS-SA to the European centre of nuclear research (**C.E.R.N.**) in Geneva, and had the opportunity to see the laboratory in which the ‘www’ was born.
 - * April: the Congress. The unanimously recognised best congress in EESTEC’s history. At least this is what we thought after reading your comments by e-mail. It was nice also to find out that even if we fail in engineering, we would anyway have some chance in getting a job at F.A.O. (we managed to feed more than 50 hungry EESTECers!
 - * November: our fever for technology and research doesn’t know European limits; some of us have had the possibility to visit **FERMILAB** (Chicago), **KENNEDY SPACE CENTRE**. These are not only our targets; we made the most of our trip travelling around Miami, New York, ... and the “hottest” downtown of the whole USA.
- November: participation in the **Workshop “Measurement Tech-nology” Helsinki Finland**.



can you see the 100 electrons of Fm?



1998: EESTEC Congress

1999

* February: **Cycle of three Conferences** titled: "Management examples through aeronautics fields" about organisation and project management in the different sectors of Aeronautics.

- Managing the Airport of Reggio Emilia;
- Satellites: projects and management;
- Ultra light aeroplanes: a developing project.

* March: in order to the trip to Strasbourg we have organised **two Conferences**: "The European Institution"; "Opportunities of jobs in the European Community". These meetings were presented and conducted by the CARREFOUR office in Reggio Emilia.

* April: At Parliamentary's invitation 35 students from Reggio visited the **European Parliament in Strasbourg** during the assembly of 13th April 1999. We spent three days to arrive in Strasbourg because we lost the best way to "taste" the Wine Road in Alsace.....



Our breakfast: Vins d'Alsace

* October: participation in the **Workshop: "Computer Network"**

* November: **Seminar about "Math & Robotic"** in co-operation with University Lab "Ruffini".

Future Plans

Peace and Love....love over all!

We could surprise you with special future plans but we are science...not science fiction! You'll see

How did we arrange our forces?

Just like EESTEC, RCS-SA is led by four official responsables (chairman, vice-chairman, treasurer, secretary) who keep their assignment for one year after being elected by majority.

Lately we added some other "functions": companies and mass-media contacts, EESTEC events, web-page (we are working for a brand-new one!!), office, sports&fun... Some of the members chose one of those areas and offered to co-ordinate efforts about it, to collect new proposals and to inform all the students about them.

But this is only the formal structure... Of course, as soon as someone "invents" some new activity, he becomes its own responsible, being anyway helped by the interested areas.

Our job: birth and develop of our activities.

Any idea which comes from some member, is first considered by a group, formed by the board and the responsables for the different areas. The outcome is an initial project, which is then proposed and discussed in the monthly assembly; here a group formed by any interested member is born and assignment are given. The third phase is the one in which everybody works on his own, not renouncing anyway to all the advantages of a workgroup.

CP

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LC Tampere

History

EESTEC LC Tampere is the international part of the Electrical Engineering Guild at Tampere University of Technology. It was founded in 1995 as Mari Mutanen was chosen to be the international coordinator of the Guild.

Events

Mari begun to organize actions of LC Tampere. The first challenge was to organize program for one day when the participants of the Helsinki-Workshop in winter 1996 visited Tampere.

The next challenge was to be even greater as LC Tampere organized the Congress with LC Helsinki in 1997. The first four days of the Congress were held in Tampere and the rest four days in Helsinki.



On January 1998 was the time of the famous Extreme Week. During the Extreme Week everybody could experience the Finnish winter in a cabin by the lake Kintulampi. Snow sculptures, swimming in the hole in the ice, sleeping in the tent by the snowy trees, sauna, snow castle for the princess of Kintulampi. It was extreme in every way.

Around the New Year 1998/1999 LC Tampere had an exchange with LC Zürich. The boys of Zürich experienced the hard winter and the even harder ice of Finland. The result can be seen below....

6 men (5 of them in the picture), a saw, a rake, a shovel & some other



tools and 6 hours of time. The result: 2.5 x 2.5 m² hole in the ice.

We have also taken part in many EESTEC activities: Workshop in Helsinki 1996, congress in Aachen 1996, congress in Helsinki-Tampere 1997, Workshop in Zurich 1998, Swiss-Slovenian exchange Spring 1998, Congress in Italy 1998, Congress in Slovenia 1999, Exchange with LC Zurich 1999, Workshop in Madrid 1999, Workshop in London 1999.

Organizational structure

LC Tampere is operating under the Guild of Electrical Engineering of Tampere University of Technology. Neither the Guild or LC Tampere is registered.

Future plans

We are planning to arrange exchanges and perhaps a workshop in 200X. And of course taking part in Congress 2000.

Number of members: 15

Contact person: Pasi Syvänen



Murphy's Law

To spot the expert, pick the one who predicts the job will take the longest and costs the most

LC Twente

Although the name of our local committee is Twente, it's not the name of the city where our university is situated. The city in fact is called Enschede (if you have some spare time, try to pronounce it). The reason why our university is called 'University of Twente' is not only so foreigners can pronounce this name, but also because of the part of the country where Enschede is situated. So when you come to visit our local committee some day (which we hope you'll all do) and you've just landed on Schiphol, don't search for a train to Twente. You won't find it.

There is a big advantage of studying in Enschede. Maybe you know a bit about Holland; In this case you've probably also heard about the problems we sometimes have with the water. Occasionally a part of the country is flooded either by the sea or a river that burst its banks. However, when this happens, Enschede won't drown because, for Dutch standards, Twente is a very high region. It's about 30 meters above sea level, so if you don't know how to swim, you can still come and visit us.

There's another reason why Twente is a nice place to study. It's the only university in The Netherlands, which has a campus. On this campus live about 2000 students and some university teachers. This is one of the reasons why students from all over Holland come to study in Enschede.

In The Netherlands it takes at least five years to finish the study Electrical Engineering. Because of all things you can do here beside your study, most students need more time. One example of great things you can do here is sports. You can do most exotic sports, like underwater hockey or soaring. Of course you can also do regular sports, like soccer and rowing.

The people of our local committee are all different kind of people. One thing we all have in common is our study. We all study electrical engineering. Some of us have been doing this for quite a long time and are doing a work replacement right now. Others just started their second year. Our local committee has eight members. These eight

persons organize the exchanges in which all the other people who study Electrical Engineering can participate. They also organize the exchange for Twente and are the ones who made this yearbook. Their names and functions are as follows:

- * Geert-Jan Schrijen: Passive member who is doing a work replacement.
- * Tjeerd Simons: The other one who is doing a work replacement.
- * Gerdo Jong: Very busy second year student.
- * Sebastiaan van Loon: our secretary.
- * Kenneth Rovers: The computer specialist, who updates our homepage.
- * Jeroen Scholten: Our treasurer.
- * Arnoud van den Dobbelsesteen: Our contact person.
- * Petra Hendrikse: Our chairwoman.

Because we are very busy, we haven't had many activities last year. Two people went to Romania to see the solar eclipse. Unfortunately this event was cancelled because there were too few participants. One of us went to the congress in Ljubljana. We didn't organize an event ourselves, but this year that's going to change. In May 2000 we're planning an exchange for everyone who's interested. In the past we've had an exchange with Italy and Ljubljana. Before that there's no one left to tell us.



LC Vienna



Local Committee Vienna

Hello from Vienna!

As you may know we are an ancient city with a lot of monuments. You may have heard about “Sissi” and her castle or to be correct the castle of Emperor Franz-Josef. “Schönbrunn” is one of the most

famous castles of Europe. All the museums and other historical places here are well know from all the tourists visiting Vienna and the gothic dome of St. Stephan also makes us proud. But I think you have to take look yourself!

The Technical University has a long tradition. The two “Strauss” brothers studied at the TU before they became famous with their great Waltz. Also “Kepler” made his famous invention of the “Kepler-Turbine”. Maybe you also know the great inventor “Zuse” developed his “Z4” as one of the first computers and our University was one of the first in the tunneling of laserlights.

The faculty of electrotechnics is one of the biggest at the Technical University of Vienna. We have two buildings for our studies. The study of electrical engineering is one of the longest studies at the TU. It’s hard work to get graduated but it will pay off.

LC Vienna was one of the early members of EESTEC and since then vividly taking part in what EESTEC had to offer. It seems that the peak of its activity was the organisation of the EESTEC congress in 1991. Due to problems organizing the congress 1996 EESTEC Vienna nearly faded out. But we can’t tell you much about it at this time because the former members of EESTEC already graduated and we don’t have contact with them anymore.

In 1998 EESTEC started again with two members of the student’s association following the invitation to the congress taking place in Reggio Emilia. They enthusiastically decided to bring back to life the EESTEC in Vienna and formed a small group who steadily tried to form a working

team. In 1998 two of us visited the workshop in Helsinki. After that the “Spirit of EESTEC” became much stronger. We told everyone about our great Week, and we found some more people who wanted to work with us.



Half a Year later LC Vienna got enough members to organise our first event. From the 22nd till the 28th June 1999 a rather large exchange involving LC’s of Oulu, London and Cosenza with a total of 18 guests took place in here. It was our first time and everything was new to us. But after all we had to say that it was a great week of fun. We also found the companies SIEMENS and SCHRACK and our Students-representatives as Sponsors. It was very interesting to visit the companies as well. Also thanks to all the Institutes who supported us with interesting tours in their “holy” Labs.

At the moment our LC has eight members, all of them are working enthusiastically. We are doing an information campaign in our own university to maybe get some more interested people to get a stronger backbone and facilitate our work. At the moment we are having official reunions every first Thursday of the month but most of us meet every Thursday evening in the rooms of the electrical engineering student association for some hours to organise things go-



ing properly.

As our former chairman, Ahmet Kilic graduated and nobody from our present team is member for more than one year there is a lot of elementary work to do. A big point is to organise ourselves to become more efficient

and effective. We also have to improve our financial situation and we concentrate our main force of public relations to find supporters among the university staff and government. Resolving and finding potential sponsors and many other matters which you will know from your own experience.

At the beginning of our term in early October our LC has elected the new board:

- * Chairman, at the same time our contact person Robert Schwab,
- * Vice-chairman: Stefan Bösch
- * Treasurer: Michael Studer
- * Secretary: Klaus Oberhauser

Our projects for the near future, this academic year, are two exchanges, the first from 3rd to 9th April and the second from 29th May to 6th June 2000. We don't know yet any details. We will see ... On the other hand we will visit our guests from last year and take place in some Workshops. For example we are planing to send at least one member of our LC to the workshops in London and Oulu.

Another important part of our fundamental work is to renew our homepage and do more public-work to make EESTEC better known at our University.

If you want to contact us, you can reach us at:

EESTEC Vienna:

Technische Universität Wien

Fachschaft Elektrotechnik

Gußhausstraße 27-29

A-1040 Wien

E-MAIL: eestec@fet.htu.tuwien.ac.at

<http://www.fet.htu.tuwien.ac.at/eestec>

LC Zurich

History

LC (Local Committee) Zurich, respectively NatCom (National Committee) Switzerland, exists since the founder conference in The Netherlands in the year 1986. One of our first activities was the Workshop „renewable energies“ during four days in summer 1988. 22 participants from all over Europe were visiting Zurich for this event.

In the following autumn we spent a week in Budapest. The back exchange with twelve guests took place in February 1989. In the same year we joined an exchange in Prague: „Mi sdravime Prah“. They visited us in the following December. Then in 1990 there was a huge congress in Zurich with 54 participants. They came from Europe and other countries as Israel and even one guest from Brazil. The topic was “What is our responsibility”. In the same year we had exchanges with Moscow and Cracow. Lots of fun I think, but quite a long time ago. In the following year we organised a Workshop „Interessante Arbeitsplätze in der Elektrotechnik in der Schweiz“, in German as you can see.



Members Of LC Zurich

During the next three years we went to Oulu, Sofia, Budapest, Dublin, Vienna and Bologna. They also came to see us. Spanish students stayed with us in December of 1994, Ukrainian in spring 1995. The Ukraine was not member of EESTEC by that time. And then we hosted the congress where the NatComs were abolished. During the following year LC Zurich published several newsletters. Until the congress in Tampere / Helsinki in 1997, we had an exchange with LC Ljubljana and LC Lausanne. From 1997 till 1998 the International Bureau (IB) was located in Zurich. In May 1997, LC Zurich hosted „The 1997 EESTEC Workshop on Software Engineering“, where several LC's took part. In the following October a boardmeeting took place in Zurich. In April 1998 the LC's from Delft, Bologna, Reggio Emilia and Cosenza were visiting us. One part of this Exchange was organised by LC Lausanne, so there were six LC's involved in that happening. Later in the same year we invited LC Ljubljana and Cracow. A rumour says that two people involved still curse this unforgettable week. In the following spring (May 1999) LC Tampere and Budapest visited us.

As you can see the LC Zurich was very active since EESTEC was born. We hope that our LC will keep staying as active as before.

Organisational structure

EESTEC LC Zurich is part of the AMIV, the guild of mechanical, electrical and production engineering students at the ETH (Swiss Federal Institute of Technology). Our LC is a committee with its own independent bookkeeping. Currently we have about 30 members, of whom about eight are active. We regularly contact our former members, the Alumni of the EESTEC LC Zurich. We benefit a lot from these contacts to the Swiss industry.

Future plans

In summer 2000 the LC Zurich is going to organise a hiking week in the Swiss Alps. We are looking forward to host this special event.

The



User Guide 1999

1. *The board of the association*
2. *Introduction on EESTEC*
3. *Statutes*
4. *Rules of Procedure*
5. *Activation*
6. *How to organise an event - GUIDELINE*
7. *Advice for Sponsoring*
8. *Appendices*

Includes changes made during April 1999 on the 13th EESTEC Congress in Ljubljana, Slovenia

1. *The board of the association*

The Board of the EESTEC in 1998-99 is:

Chairman:

Ilkka Väkiparta LC Helsinki Finland

Vice-Chairman:

Enrico Natalizio LC Cosenza Italy

Vice-Chairman:

Alessia Toni LC London The United Kingdom

Treasurer:

Paul Oudshoorn LC Delft The Netherlands

2. *Introduction on EESTEC*

In the whole text of this guide:

- * 'Workshop' means the whole program including culture, lectures, workshops, food etc.
- * 'workshop' means a prepared group dialogue or discussion on a certain subject in order to come to conclusions and/or solutions.

What is EESTEC?

The Electrical Engineering Students' European Association is an organisation of and for electrical engineering students from universities, institutes or schools of technology in Europe those award an engineering degree. It was founded in the Netherlands in 1986. Since 1995 it is a recognised association seated in Zürich, Switzerland. Currently there are 28 Local Committees participating.

The primary aim of EESTEC is to promote and develop international contacts and the exchange of ideas, as well as improve technical acknowledgement between electrical engineering students. The association also aims at introducing students to the industry and the educational system of other countries.

Activities

Workshops

The electrical engineering aspects of EESTEC are expressed through Workshops, the most important activity of the Association. During a one week seminar lectures are presented by specialists from the industry and universities, and discussions are conducted in small group sessions. The subjects are for example new technologies, special fields of electrical engineering or social aspects of engineering. An EESTEC Workshop should be a strictly professional event with a bit of local sightseeing and feasting.

The last Workshops held were on the topics:

- * "Energy Supplies, Reality and Alternatives", Aachen, Germany & Denmark, 1991
- * "Bridging the gap between University and industry"; Delft, The Netherlands, 1993
- * "Electrical Engineering Studies in Europe", Aachen, Germany, 1995
- * "Technique advances with research", Helsinki, Finland, 1996
- * "Telecommunication Engineering", Madrid, Spain, 1996
- * "Software Engineering", Zurich, Switzerland, 1997
- * "Measurement Technology", Helsinki, Finland, 1998
- * "Microsystem Technology", Aachen, Germany, 1998

Exchanges

In the Exchange students from two or more Local Committees visit each other for about ten days. During these multilateral meetings the participants gain their awareness of the foreign university reality, industry and cultural aspects. It offers practically unlimited possibilities to the organisers.

Congress

The EESTEC Congress is the annual General Assembly of the Association in one of the member cities. During this meeting the current affairs of EESTEC are discussed and decided upon. It should be a place and occasion to discuss organisational matters and operating policies, to elect the new Board, to establish Exchanges and Workshops etc. It is necessary for the continuity of EESTEC that it takes place once a year.

The history of EESTEC Congresses is as follows:

- | | |
|------|--|
| 1986 | Foundation Congress, Eindhoven, The Netherlands |
| 1987 | 1. Congress, Nova Gorica/Ljubljana, Yugoslavia |
| 1988 | 2. Congress, Aveiro/Lisbon, Portugal |
| 1989 | 3. Congress, Budapest, Hungary |
| 1990 | 4. Congress, Zürich, Switzerland |
| 1991 | 5. Congress, Vienna, Austria |
| 1992 | 6. Congress, Madrid, Spain |
| 1993 | 7. Congress, Budapest, Hungary |
| 1994 | 8. Congress, Aachen, Germany |
| 1995 | 9. Congress and Foundation of the recognised association,
Zürich, Switzerland |
| 1996 | 10. Congress, Aachen, Germany |
| 1997 | 11. Congress, Tampere/Helsinki, Finland |
| 1998 | 12. Congress, Reggio Emilia, Italy |
| 1999 | 13. Congress, Ljubljana, Slovenia |
| 2000 | 14. Congress, Delft, The Netherlands |

Any other activity corresponding to aims of the Association is possible within EESTEC, for example projects or practice weeks.

The structure of EESTEC

EESTEC is an association of institutions, the Local Committees. These are individual groups of electrical engineering students at universities, institutes or schools of technology in European cities. They are financially supported in their efforts through sponsoring of the industry, foundations and the universities.

The co-operation and contacts between the members are supported by an elected Board which represents EESTEC on an international level and works on general development and strategies.

The "Newsletter", the publication of the association, is published regularly to provide a continuous information-flow between the Local Committees.

The advantages of EESTEC

What is the value of the EESTEC activities? A very positive aspect is the opportunity to co-operate in an informal manner with other students from different countries of Europe, which often results in international friendships. Another advantage is that participating in the activities improves special skills, like communicative and organising skills and language proficiency. Nowadays the university curricula do not contain any practice in these skills. On the whole, EESTEC provides electrical engineering students with a broader and more international view on their possibilities and future responsibilities.

The official addresses of the association

The seat of the association in Zürich at:

EESTEC	Phone: +41-1-632 42 45
c/o AMIV an der ETH	Fax: +41-1-262 20 72
Universitätstraße 19	E-mail: eestec@eestec.org
8092 Zürich	URL: http://www.eestec.org
Switzerland	FTP: ftp://eestec.org (129.132.41.60)

The International Bureau in Madrid at:

EESTEC	Phone: +34-915 49 57 00
c/o Eurielec	Fax: +34-915 43 96 52
ETSI Telecomunicacion	E-mail: ib@eestec.org
Avda. Complutense S/N	
28040 Madrid	
Spain	

Members

In 1999-2000 the members of EESTEC are:

Austria	Vienna
Croatia	Rijeka
Czech Republic	Prague
Finland	Helsinki, Oulu, Tampere
France	Paris
Germany	Aachen, Cottbus, Munich
Hungary	Budapest
Italy	Bologna, cosenza, Reggio Emilia
Malta	Malta
Poland	Krakow
Romania	Craiova
Slovenia	Ljubljana
Spain	Madrid
Switzerland	Lausanne, Zürich
The Netherlands	Delft, Eindhoven, Twente
The United Kingdom	London, Surrey
Turkey	Istanbul
Ukraine	Sevastopol

In 1999-2000 the observers in EESTEC are:

Austria	Graz
Italy	Benevento

Murphy's Law

If everything seems to be going well, you have obviously overlooked something

3. *Statutes*

GENERAL PROVISIONS

§ 1

The Electrical Engineering STudents' European assoCiation (EESTEC), Association in the following, is a non-political, non-profit organisation for electrical engineering students at universities, institutes or schools of technology in Europe awarding an engineering degree. It is an Association as defined in Article 60 ff of the Swiss Civil Code of law and seated in Zurich.

§ 2

1. The aim of the Association is to promote and develop international contacts and the exchange of ideas between electrical engineering students.
2. The Association also aims at formal contacts with related international organisations, without getting bounds.
3. The means to achieving the objectives mentioned above are workshops, student Exchanges, conferences and other activities organised by the members.

MEMBERSHIP

§ 3

1. The members of the Association are institutions (Local Committees (refer to § 9)) at universities, institutes or schools of technology from countries in Europe recognised either by the United Nations, the European Union or the European Free Trade Association awarding an engineering degree.
2. An institution complying with the requirements outlined in § 1, interested in joining the activities, has to apply to the Board of the Association (refer to § 6) to be registered as an observer. An application in writing is needed to ask for acceptance as a full member. The Board has to notify the International Bureau of the application. The fact will be published through the Newsletter (refer to § 11 and § 12). A delegation of each observer has to be invited to the Congress (refer to § 5).

3. Acceptance can only be granted by the General Assembly of the Association, and the question of accepting new members is to be discussed at the General Meeting of the Congress (refer to § 5) following the application. Acceptance should be automatic if there are no objections.
4. The application of an institution from a non-European country can only be accepted by a two-thirds majority decision in favour by secret ballot at the General Meeting.
5. Membership can be terminated by:
 - a) Written request of the member;
 - b) Exclusion.
6. Exclusion can be effected by a two-thirds majority decision in favour by secret ballot at the General Assembly.
7. There is no membership fee.

THE BODIES OF THE ASSOCIATION

§ 4

- * The General Assembly (refer to § 5);
- * The Board (refer to § 6);
- * The Oversight Committee (refer to § 7);
- * The Mail Manager (refer to § 8);
- * The Congress Organising Committee (refer to § 10);
- * The International Bureau (refer to § 11);
- * The Local Committee responsible for publishing the News letter, Annual Report and the EESTEC Flyer (refer to § 12).

THE CONGRESS AND THE GENERAL ASSEMBLY

§ 5

1. An EESTEC Congress of approximately one week duration is held annually, which is the General Assembly of the Association. The General Assembly is the principal decision making body of the Association.
2. During the Congress a number of General Meetings take place, which are the sessions of the General Assembly.
3. At the beginning of the first General Meeting of the Congress the Congress Organising Committee (refer to § 10) makes a proposal to the persons of the Chairperson and the Secretary of the General Assembly, that has to be decided upon by the General Assembly. New proposals can also be made by the participants.

4. After the nomination of the Chairperson of the General Assembly, the agenda for the General Meetings should be presented by him/her and accepted by the General Assembly. Before voting on the agenda, participants can make suggestions to effect modifications.
5. The following reports have to be presented during the first General Meeting of the Congress:
 - a) Report of the Board;
 - b) Report of the Oversight Committee;
 - c) Report of the International Bureau;
 - d) Report of the Webmaster;
 - e) Report of the Mail Manager;
 - f) Report of the Editor;
 - g) Reports of the Local Committees.
6. The report of the Board has to be accepted after the presentation of the Report of the Oversight Committee by the General Assembly.
7. The following questions have to be discussed and decided upon by the General Assembly during the Congress:
 - a) Acceptance and exclusion of members;
 - b) The location of the next Congress and the Local Committee responsible for its organisation;
8. At the last General Meeting of the Congress the Board of the Association consisting of four persons (refer to § 6), the Oversight Committee consisting of two persons (refer to § 7) and the Mail Manager (refer to § 8) are to be elected and the Secretary of the International Bureau has to be approved;
9. The General Assembly has to accept the budget for the next year prepared by the Board.
10. The General Assembly has the authority to make decisions pertaining to the following questions:
 - a) Modification of the Statutes;
 - b) Relocation of the International Bureau and evaluation of its performance;
 - c) Changing the Local Committee responsible for the publication of the Newsletter;
 - d) Questions of dissolution or merger with another organisation.
11. In cases a.) and d.) decisions can only be taken by a two-thirds majority open vote in favour.

12. At the General Assembly every participating Local Committee has one vote.
13. The General Assembly arrives at its decisions by simple majority open vote except where indicated otherwise. Secret ballot for a vote can be proposed by any participant and must be adopted, if favoured by any other member of the General Assembly.

THE BOARD

§ 6

1. During each Congress a Board consisting of four members is elected.
2. The candidates for the Chair of the Board and the Treasurer have to be personally present at the Congress.
3. The candidates for the Chair of the Board and the Treasurer have to be nominated no later than 24 hours before the beginning of the last General Meeting of the Congress, and the Chairperson of the General Assembly has to be provided with a written agreement of the candidates confirmed by their Local Committees.
4. Each Local Committee present may nominate one person each as candidates for the posts of the Chairperson and the Treasurer.
5. The Chairperson of the Board has to be elected by an absolute majority vote in favour by secret ballot in the first round. If that is not achieved, the Chairperson has to be elected from the two candidates with the most votes in the second round, also by an absolute majority vote in favour by secret ballot. If, after two rounds, no candidate is chosen, new candidates have to be presented, and the voting procedure started again.
6. After the Chairperson is elected, the Treasurer is to be elected following the procedures outlined in § 6.5. The Chairperson has the right to veto the decision of the General Assembly concerning the person of the Treasurer. If he exercises this right, new candidates have to be presented and the voting procedure started again.
7. A vote that supports more than one candidate is void.
8. The elected Chairperson proposes two persons for the posts of the Vice-Chairpersons who have to accept their nomina-

- tion. In case they do not accept, the Chairperson has to make new proposals. The proposed Vice-Chairpersons have to be accepted by the General Assembly, by secret ballot.
9. The boardmembers may be re-elected without restrictions.
 10. The Board is obliged to prepare a report of its activities including the annual financial report before the Congress. The report has to be presented and approved at the first General Meeting of the Congress. The report may contain proposals and suggestions for the consideration of the General Assembly.
 11. The Board is obliged to send all information concerning their work and activities to the International Bureau and to the Oversight Committee.
 12. The members of the Board are invited to the Congress. At least one of the boardmembers has to be present at the Congress.
 13. The Board is responsible for the workshops held at the Congress. The topics have to be announced at least two weeks before the beginning of the Congress by the Board.
 14. The Board is responsible for updating the User Guide. The User Guide contains the statutes, the rules of procedure, introduction on EESTEC and other important information.
 15. The Board represents the Association on an international level.
 16. The Board is free to take action concerning the contacts between the Association and other international organisations, also in order to increase the number of active Local Committees of the Association.
 17. The Treasurer administers the financial means of the Association according to the decisions arrived at by the General Assembly. He also prepares the annual financial report and the budget proposal for the following year.
 18. The Board arrives at its decision by simple majority open vote, except if requested otherwise by one of the boardmembers. In case of evenly divided votes, the vote of the Chairperson is decisive.
 19. The Board has to answer immediately every query of the Oversight Committee.

THE OVERSIGHT COMMITTEE

§ 7

1. During each Congress an Oversight Committee consisting of two persons, who are independent from the Board, is to be elected by an absolute majority vote in favour by secret ballot.
2. The candidates for the Oversight Committee have to be personally present at the Congress.
3. The tasks of the Oversight Committee are the following:
 - a) To check if the financial transactions made by the Board follow the directions given by the General Assembly at least twice a year.
 - b) Supervise the work of the Board done during their term and advise if necessary.
 - c) To prepare a report on their activities and findings and present it to the General Assembly at the Congress.
 - d) The Oversight Committee has the duty to call a General Assembly, in case they observe severe irregularities or actions contradicting the directions of the General Assembly.

THE MAIL MANAGER

§ 8

1. During each Congress a Mail Manager is to be elected by an absolute majority vote in favour by secret ballot.
2. The candidates for the Mail Manager's post have to be either personally present at the Congress or have to submit a written application to the Chairperson of the General Assembly.
3. The tasks of the Mail Manager are the following:
 - a) To provide a communication structure based on electronic mailing systems for all active Local Committees and their members.
 - b) To publish the Mailing Guide of the Association. The Mailing Guide contains instructions for the use of the system as well as the lists of the recipients.
 - c) The Local Committees have to answer every query of the Mail Manager.

THE LOCAL COMMITTEES

§ 9

1. At every interested university, institute or school of technology one Local Committee of electrical engineering students should be founded as the body representing these students in the Association.
2. The Association has no authority over the inner structure of the Local Committees.
3. Every Local Committee has to specify a Contact Person. The task of the Contact Person is to answer every direct query and to spread all information within the Local Committee.
4. The annual reports of the Local Committees are to be sent to the International Bureau and presented at the General Assembly in written form.

THE CONGRESS ORGANISING COMMITTEE (COC)

§ 10

1. The Congress Organising Committee (COC) is the Local Committee(s) hosting the Congress and is responsible for its organisation.
2. On each Congress a Local Committee(s) is (are) to be elected as the Congress Organising Committee for the next Congress.
3. The Congress Organising Committee invites an equal number of representatives from each Local Committee, organises the General Meetings, prepares the Congress Guide, prepares and distributes the Congress Report within six months of the conclusion of the Congress. It sends all records of the Congress to the International Bureau.
4. In order to guarantee continuity, each Local Committee will receive a Congress Report, even if the concerned Local Committee was not represented at the Congress.
5. Each EESTEC Congress is financially independent.
6. After choosing the Congress Organising Committee, a Secondary or Backup Local Committee(s) is (are) to be chosen, which has to take over the task of organising the Congress, in case the Congress Organising Committee is unable to do it. In such a case the Congress Organising Committee has to notify the Board, the International Bureau, and the Secondary Local Committee at least three months before the scheduled date of the Congress.

7. The Congress Guide contains the program of the Congress, the report of the Boardmeetings, the Oversight Committee, the International Bureau, the Mail Manager and all LCs, proposals of changes to the statutes and rules of procedure and the User Guide.
8. The Congress Report contains User Guide, participants' list, results of the workshops and reports of the General Meetings.

THE INTERNATIONAL BUREAU (IB)

§ 11

1. The International Bureau is located in one Local Committee of the Association. It keeps all former records of EESTEC contacts, members, events and activities.
2. The tasks of the International Bureau are the following:
 - a) To collect and keep all records of the Association. These should contain the reports and other data concerning all events and activities, sent by the Local Committees or other bodies of the Association;
 - b) To keep track of the addresses of all active Local Committees and their members;
 - c) To publish the Yellow Pages of the Association. The Yellow Pages contain the addresses of the Local Committees and the names and addresses of their members. Changes to the Yellow Pages have to be published as they occur.
 - d) To take care of the EESTEC International Webpages
3. The Local Committee responsible for the International Bureau is to propose one of its own representatives as the Secretary of the International Bureau and one as the EESTEC Webmaster. The General Assembly has to approve separately the Secretary and the Webmaster by a simple majority open vote in favour. If one (both) of the proposed people is (are) not accepted by the General Assembly, the Local Committee responsible for the International Bureau has to propose an other (other) candidates.
4. The Local Committees have to answer every query of the International Bureau.

OFFICIAL PUBLICATIONS OF ASSOCIATION

§ 12

1. The official publications of the Association are Newsletter and Annual Report.
2. The Newsletter is to be published once a month, if there are publishable materials available, also on the Webpage.
3. The Newsletter contains articles send by EESTEC members, all announcements of EESTEC events and the reports of the Boardmeetings.
4. The Annual Report is to be published once a year, at the end of January.
5. The Annual Report contains a report from the Board, a brief introduction on EESTEC, reports of the Congress, all Work shops, Exchanges and other events in chronological order, as well as the addresses of all LCs.
6. The EESTEC Flyer is the official presentation of the Association and has to be updated after each Congress.
7. The official publications of the Association are published by a Local Committee chosen for this task by the General Assembly.
8. The Local Committee responsible for the Newsletter, Annual Report and EESTEC Flyer is to propose one of its own representatives as the Editor. The General Assembly has to approve the editor by a simple majority open vote in favour. If the proposed person is not accepted by the General Assembly, the Local Committee responsible for the Newsletter, Annual Report and the EESTEC Flyer has to propose another candidate.

EESTEC ALUMNI

§ 13

1. EESTEC recognises EESTEC Alumni as its only Alumni association. EESTEC grants EESTEC Alumni the right to use the EESTEC logo as part of its own logo.
2. EESTEC and its Local Committees will support EESTEC Alumni, especially by providing to the Board of EESTEC Alumni names and addresses of members who are eligible to membership in EESTEC Alumni.

3. As facilities permit members of EESTEC Alumni will be invited as observers to EESTEC events. The participating members of EESTEC Alumni will pay for the costs related to their participation, i.e. accommodation, food, transportation etc.
4. The Board and the Secretary of the International Bureau will keep the Board of EESTEC Alumni up-to-date about the activities within EESTEC.
5. EESTEC will support EESTEC Alumni by providing the News letter, email aliases and lists as well as WWW space under the eestec.org domain.
6. Two members of the Board of EESTEC Alumni will be invited to take part in the annual EESTEC Congress.

MEANS AND DISSOLUTION

§ 14

In case of dissolution the means of the Association will be donated to another student Association with aims similar to those of EESTEC.

NON OFFICIAL REMARKS TO THE STATUTES

EESTEC is NON-POLITICAL. This important qualification of EESTEC means the following: EESTEC is an organisation which does not and will not have any united political views/opinions or aims, so it will not act according to such a view/opinion or aim. Hence it follows that EESTEC does not express an opinion in favour or against any political or politically connected body and will not ask for or accept any form of sponsoring from such bodies.

Private opinions about national or international politics, expressed and discussed about during EESTEC events by members or participants are not to be expressed as the united opinion of EESTEC and may definitely not appear in written pages of it, like in the Newsletter or in reports.

EESTEC is NON-PROFIT. The LocalComs are advised not to make profits used for purposes other than for securing their continuity or for the organisation and execution of events.

For the public relations it is important to have an 'official' e-mail address of EESTEC. Currently the one established (info@eestec.org) is used to reach the Board. As a representative of EESTEC as an association, the Board (board@eestec.org) is to be the main contact for external relations.

For internal relations, the International Bureau (ib@eestec.org), currently seated in Madrid (Spain), is the holder of archives and all the information related to former events, members and activities and publishes the Yellow Pages with all the addresses of the Local Committees and their members. The Mail Manager (mail-manager@eestec.org) is in charge of easing the communication between the Local Committees, by maintaining an electronic mailing list and publishing a Mailing Guide.

4. *Rules of Procedure*

4.1. *General introduction*

These Rules of Procedure are made to guide the bodies of EESTEC in their work. They are a supplement to the statutes and summarise what has shown to be the most appropriate for the EESTEC work.

4.2. *Board*

4.2.1. **Functions**

- * The Board is the only decision-making body between the General Assemblies.
- * Representing EESTEC on international level.
- * Keeping contact with European, electrical engineering or student organisations.
- * Taking care of EESTEC in general: Contact new potential LCs, revive former LCs
- * Stimulate and propose new activities.
- * Contact big companies for international sponsoring.

4.2.2. Obligations:

- * The boardmembers have to be familiar with all aspects of EESTEC, like events, problems and ways of communication.
- * The Board is responsible for its actions to the General Assembly.
- * The Board administers the financial matters of EESTEC according to the directives given by the General Assembly, refer to part 3 of these Rules of Procedure.
- * The board must have boardmeetings according to their tasks and inform all other VIP's about the dates of the boardmeeting at least two weeks before the boardmeeting takes place.
- * The Board is obliged to prepare a report of its activities before the Congress, which has to be presented and approved at the first General Meeting of the Congress. The report may contain proposals and suggestions for consideration of the General Assembly.
- * The treasurer should ask at Postbank for all needed papers for taking over an account (Unterschriftenkarten, Protokollauszug, ...) before every Congress in order that all signatures can be collected during the Congress, while every body concerning is personally present.

Murphy's Law

If it seems too good to be true, it probably is

4.3. Moneyhandling

The financial year of EESTEC is from one Congress to the next Congress. Between the two Congresses the Board is the only decision making body of EESTEC. This is why the Board decides about the final money distribution according to the directives given below and in the statutes.

4.3.1. Information on the accounts

(parts in brackets just come with the Euro account)

Account holder:	EESTEC Electrical engineering Students' European assoCiation (International) C/o AMIV Universitätstrasse 19 CH-8092 Zürich Switzerland	
Account number:	80-24395-5	91-540063-5
Currency:	Swiss Francs, CHF	Euro, EUR
Located at:	Swiss Post Postfinance CH-8759 Netstal Switzerland	Swiss Post Postfinance CH-8759 Netstal Switzerland

The treasurer and chairman are authorised to sign for the account in Switzerland. With a POSTCARD together with POSTCHEQUES we can get cash money at any postal office around Europe.

Payments should be made payable to the account holder at the given address. Please inform the treasurer of and when you sent an amount to the international account.

4.3.2. Income

1.) Newsletter

Every LocalCom must try to get ads for their edition of the EESTEC Newsletter.

Local ads: the money received from the local ads (ads that appear only in the local edition of the newsletter) stays with the LocalCom that got the ad.

International ads: International ads are sent to the LocalCom that publishes the Newsletter and they are included in the master layout. The money that was received for international ads has to be sent to the international EESTEC bank account.

2.) Donations by the LocalComs:

Every LocalCom is asked to donate money to the international bank account. The suggested amount is the equivalent of 250 EUR per year. This system of international money transfer can only work if we all accept the idea of helping those who do not have the possibilities to raise enough money on their own. The donations should be made to the Euro account.

A) For LC's in Austria, Germany and Finland:

Respective '*PSK Oesterreichische Postsparkasse*', '*Deutsche Postbank*', '*Leonia Bank PLC*' are member organisations of the Swiss post. Therefore transactions can easily be made via Eurogiro. The required information is:

Beneficiary	91-540063-5 EESTEC Electrical Engineering STudents' European assoCiation International c/o AMIV, Universitätstrasse 19, CH-8092 Zürich, Switzerland
Messages	Donation LC <...>

B) For other LC's:

Each bank uses its own foreign payment order forms, but the information needed to make a transfer to the EESTEC bank is:

Beneficiary Bank	POFICHBE Swiss Post, Postfinance, CH-3030 Bern
Beneficiary	91-540063-5 EESTEC Electrical Engineering STudents' European assoCiation International c/o AMIV, Universitätstrasse 19, CH-8092 Zürich, Switzerland
Messages	Donation LC <...>

3.) Sponsoring

The LCs are supposed to try to achieve the sponsorships locally. The Board will work on international level. A model sponsoring program is made available.

4.3.3. Budget

Without a realistic annual prognosis for an annual income the Board can not prepare a budget in absolute figures.

In case of a donation the Board is obliged to use money according to the agreement with the donator. If the donator doesn't specify the use of the donation, the Board must save 30% of the incoming money to build up the preliminary amount of EUR 2500 as backup fund. The 70% of the total amount can be used freely by the board according to the following priorities:

- a) Administration costs (DNS registration fees, Newsletter publishing, etc);
- b) Travel expenses to Congresses;
- c) Travel expenses to Boardmeetings;
- d) Travel expenses to Workshops;
- e) Other

4.3.4. Money distribution

1.) Travel expense to the annual EESTEC Congress.

Note: The annual EESTEC Congress is the most important event because it unites all (active and new) LocalComs. This is why nobody should be excluded from participation at the Congress because of financial reasons.

1. Financial aid is available to a maximum of 3 persons per LocalCom. Applications are for a single person only.
2. The maximum amount that can be paid is the missing part to pay for the cheapest travel to the Congress.
3. The application for financial aid has to be with the Board at least six weeks before the Congress. The Board will come to a decision not later than four weeks before the Congress. In case of a change in date or place of the Congress, the Board can announce a new deadline for a new application.
4. After the given deadline applications can be extended only up to an amount of 125% of the original request.
5. The application for financial aid have to be in written form and have to include:
 - 5.1. Which efforts have been made by the applicant to raise money.
 - 5.2. How much money did the applicant get.
 - 5.3. How much money can be paid by the applicant him/herself.
 - 5.4. What are the different possibilities to travel.
 - 5.5. Which is the cheapest way to travel and how much does it cost.
 - 5.6. What has the applicant done for the organisation EESTEC and when?
 - 5.7. Participation in international activities and posts occupied.
 - 5.8. Local activities.
 - 5.9. What has the LocalCom done and when?
 - 5.10. How much money can the LocalCom of the applicant contribute.
6. If the application for financial aid has been accepted, the money will be paid to the applicant at the Congress. A receipt has to be presented by the applicant.
7. In case that there is not enough money available to meet all

applications for financial aid to their full amount, the Board has to distribute the money in a way as to enable the largest number of LocalComs to be represented, not the largest number of persons. The decision of the Board is to be based on the following priority order:

- 7.1. One person per country.
- 7.2. One person per LocalCom.
- 7.3. The highest amount of different participants.
- 7.4. Effort by the applicant to raise money.
- 7.5. How has/will the applicant benefit(-ed) the organisation EESTEC.
- 7.6. How active/much involved is the LocalCom? Are events in preparation? Is it a newcomer? Will they be able to host events with their own funds?

2.) Travel expenses of boardmembers to come to Boardmeetings.

Note: In order to work efficiently the boardmembers have to meet during the time between to Congresses. The ensure that members from every LocalCom have the same opportunities to work as boardmembers there should be a possibility to get financial aid to travel to a Boardmeeting.

1. Financial aid can be granted for a maximum of three Boardmeetings between two Congresses.
2. The application has to be sent to the chairperson of the Board. If the chairperson of the Board is the applicant, to the treasurer.
3. The maximum amount is the missing part to pay for the cheapest travel to the Boardmeeting.
4. The Board shall organise their Boardmeeting so as to minimise travel expenses for those who could be entitled to financial aid i.e. have your Boardmeeting in those countries where the boardmember that could apply for financial aid is living.
5. The Board, excluding the applicant, will approve the financial aid right away unless it has reasons to believe that the money is used in an improper way.
6. The application for financial aid have to be in written form and have to include:
 - 6.1. Which efforts have been made by the applicant to raise money.

- 6.2. How much money did the applicant get.
 - 6.3. How much money can be paid by the applicant him/herself.
 - 6.4. What are the different possibilities to travel.
 - 6.5. Which is the cheapest way to travel and how much does it cost.
 - 6.6. What has the applicant done for the organisation EESTEC and when?
 - 6.7. Participation in international activities and posts occupied.
 - 6.8. Local activities.
 - 6.9. What has the LocalCom done and when?
 - 6.10. How much money can the LocalCom of the applicant contribute.
7. If the application for financial aid has been accepted, the money will be paid to the applicant at the Boardmeeting. A receipt has to be presented by the applicant.
 8. The Board has to keep in mind that the Congress has the top priority. That means that it would not be acceptable to spend a lot of money on sponsoring boardmembers if this would not leave enough money to support travels to the next Congress.

3.) Travel expenses to participate in Workshops.

1. The maximum amount that can be paid is 50% of the cheapest travel to come to a Workshop.
2. Applications are for a single person only.
3. The application for financial aid has to be with the Board at least six weeks before the Workshop. The Board will come to a decision not later than four weeks before the Workshop. In case of a change in date or place of the Workshop, the Board can announce a new deadline for a new application.
4. After the given deadline applications can be extended only up to an amount of 125% of the original request.
5. The application for financial aid have to be in written form and have to include:
 - 5.1. Which efforts have been made by the applicant to raise money.

- 5.2. How much money did the applicant get.
- 5.3. How much money can be paid by the applicant him/herself.
- 5.4. What are the different possibilities to travel.
- 5.5. Which is the cheapest way to travel and how much does it cost.
- 5.6. What has the applicant done for the organisation EESTEC and when?
- 5.7. Participation in international activities and posts occupied.
- 5.8. Local activities.
- 5.9. What has the LocalCom done and when?
- 5.10. How much money can the LocalCom of the applicant contribute.
6. If the application for financial aid has been accepted, the money will be paid to the applicant at the Workshop. A receipt has to be presented by the applicant.
7. The Board has to keep in mind that the Congress has the top priority. That means that it would not be acceptable to spend a lot of money on sponsoring Workshops if this would not leave enough money to support travels to the next Congress.
8. In case that there is not enough money available to meet all applications for financial aid to their full amount, the Board has to distribute the money in a way as to enable the largest number of LocalComs to be represented, not the largest number of persons. The decision of the Board is to be based on the following priority order:
 - 8.1. One person per country.
 - 8.2. One person per LocalCom.
 - 8.3. The highest amount of different participants.
 - 8.4. Effort by the applicant to raise money.
 - 8.5. How has/will the applicant benefit(-ed) the organisation EESTEC.
 - 8.6. How active/much involved is the LocalCom? Are events in preparation? Is it a newcomer? Will they be able to host events with their own funds?

4.4. Oversight Committee

- * The Oversight Committee has to check the accounting twice a year and report to the General Assembly once a year.
- * The Oversight Committee or one fifth of the members (due to Swiss civil code) can ask for an exceptional General Assembly during the year.
- * Before the boardmeeting the Oversight Committee must inform the board how they are reachable by email or telephone during the boardmeeting.
- * The Oversight Committee has to check whether every booking has its corresponding voucher and to verify at least the balance of the Postbank account.

4.5. Mail Manager

- * The Mail Manager is supplying and maintaining an electronic mailing system.
- * He/She supplies a regularly updated mailing list every two months. The paper records are to be sent to the IB.
- * Changes to the mailing list which are received from the IB, have to be confirmed to the persons concerned, as soon as they are incorporated in the system.
- * Before the boardmeeting the Mail-Manager must inform the board how he/she is reachable by email or telephone during the boardmeeting.

4.6. Newsletter and the EESTEC Folder

- * The newsletter is to contain the most important addresses of the association and articles of general interest.
- * The data of the printed amount is to be sent to the IB regularly.
- * The last page is initially left blank for local ads.
- * It should be published at the beginning of the semesters (October, March) and after the Congress (May-June).
- * Changes to the statutes as well as reports of official meetings of EESTEC are to be published in the next issue.
- * Before the boardmeeting the representative of the LC responsible of the Newsletter must inform the board how he/she is reachable by email or telephone during the boardmeeting.
- * The Folder is to contain a general introduction to EESTEC and

to its activities, the list of the LCs, the official addresses of the association and a blank space to be filled with the local addresses.

4.7. *International Bureau (IB)*

- * The International Bureau keeps all the record of EESTEC.
- * All addresses are published by the IB. A record or list is published every two months. New addresses and changes are to be sent to the IB, who will confirm the update. They will forward the information to the Mail Manager immediately.
- * Maintaining a central web page with all links to the LC's, all important information and the calendar of events is a duty of IB.
- * It's the IB's duty to recheck with the other bodies of EESTEC whenever they are waiting for information and have the impression, that they are delayed.
- * The IB will check all addresses with the Contact Persons once a year and afterwards publish a paper copy of the yellow pages for every Contact Person (preferably half a year after the Congress, in October).
- * Before the boardmeeting the secretary of the IB must inform the board how he/she is reachable by email or telephone during the boardmeeting.
- * The IB should stay in the same LC as long as possible.

4.8. *LocalComs (LC's)*

- * The LC's have to send their data of membership and addresses, events and reports to the International Bureau.
- * The LC's are to find ads for the Newsletter.
- * The number of copies printed is to be reported to Newsletter.
- * The Contact Persons have to answer every direct query.
- * Reports of the activities and their results are to be presented in the Newsletter.
- * The LC's are encouraged to host also events other than Exchanges, like Workshops, Excursion weeks, Contests, Seminars, Conferences, Study Tours, etc. These events should be open for international participation and somehow related to our professional interests.

- * Every LC is invited to the General Assemblies and has to submit a written report of its actions during the past year and future plans.
- * If LC is absent from two succeeding Congresses, the Board can propose its exclusion to the General Assembly.

4.9. General Assembly

- * General Assembly is the main decision making body of the association.
- * The report should be presented in order specified in § 5.5. of the Statutes. However, the General Assembly can decide differently if needed.

4.10. Alumni

- * The board of EESTEC Alumni will pay for their costs as all other Alumni

4.11 Events

- * The events must be planned in advance enough to let Local Committees collect their delegates.
- * The number of delegates, which can be hosted during the event and the subscription deadline, must be fixed at least two months in advance and must be published on the International Web page.
- * The number of delegates accepted from each LC is fixed by the organiser. However Local Committees can subscribe more delegates than the number fixed by the organiser. Acceptance of exceeding subscribers is at discretion of organisers and cannot be granted.
- * The organisers will give confirmation of participation to all applicants within one week after the deadline. Subscribed delegates have the duty to represent their Local Committee at the event after confirmation by the organisers.
- * If after confirmation delegates will not be able to participate and will not send substitutes to the event their Local Committees will be considered responsible and
A) The Local Committee will therefor have to pay a fee of

100 EUR to EESTEC International within three months from the beginning of the event. If the fee is not paid in time this has to be discussed by the general Assembly at the next Congress.

B) The Local Committee will not be allowed to send its delegates to the next Workshop.

- * Any delays on arrival or early departures of participants have to be discussed with the organisers. However they are always discouraged.
- * All illegal drugs are prohibited in all EESTEC events.

5. *Activation*

5.1. *Activating new people in local level*

The activation of new people is always a problem for the Local Committees. To ensure the continuity new members are needed to keep the Local Committee going. Normally the difficulties in activating people refer to a problem how to reach them and make the information go through. After they are reached, they have to be convinced in a way that they want to take part in the activities. And at the end they have to be so involved in EESTEC that they are willing to organise the events themselves.

Problems:

Somehow in the students' world people seem to be more interested in their studies than student life. They don't think that EESTEC gives any contribution to their studies. The benefits of taking part in and making EESTEC activities have to be clarified for them. The lack of time is always a problem and can be solved only by finding the best possible dates for the events. Students think that their language capabilities are not good enough for communication in international association. Informing potential new members and taking care that the information reaches them is hard. All the people don't have their personal email accounts and posters in the university walls are immediately covered by other advertisements. Students think that travelling is expensive and they cannot afford it. Often people who have participated in activities are not willing to do any work for the or-

ganisation. Mostly students don't know the purposes of EESTEC and don't understand the value of participating in the association. Local Committees' poor economical situation mirrors in every other field, also in recruiting.

Ways of activating:

It is important to spread out a contact name or an email address so that people could find an easy way of reference to get in touch with the responsible person in the Local Committee. People are inspired to take part into the association when several challenging activities are proposed. The Committee has to show that it is active and full of initiatives.

To make a good start a general meeting could be organised at the very beginning of the academic year, especially directed to the first year students. This is done so that students could be well informed about the purpose of the association and the activities suggested. This can be done for example in new students' fair, during the theme weeks or other occasions which take place in the University. The Local Committee can set up a stand to show themselves and to gather new possible members' identity and email addresses. This is a quick way to be in contact with them and to be sure that an up to date information reaches them for sure.

In a stand the personal contact is made. In addition to this it is extremely important to advertise EESTEC to friends and other students in everyday life. Sharing good experiences and giving the personal point of view makes new possible active members curious and interested in the association.

Having collected the list of all the people who want to take an active role in the association, the EESTEC-Folder and the latest Newsletter will be received by everybody. Either in the Department or in the University Newspaper an introductory and informative article could be included to reach even more students as well as professors and other university staff. The Local Committee has to create a web page which has to be detailed, organised and up to date. The address of the web site has to be spread among all the members. The other

organisations and associations, as well as persons, can be asked to include the link to EESTEC homepage in their own pages. The traditional ways of advertising should never be forgotten. Using own interesting looking notice board with colourful and up to date paper information and posters has a great value of stopping the people passing by. By the notice board there should be always a pile of Newsletters, so that anyone who is interested can take it with them.

A powerful way to attract people is to organise social events like parties, courses, picnics etc. This can be done in order to find new members in a local level or for example to make a connection between EESTECers and foreign students of the University. On a higher level Exchanges with students from other foreign universities should be proposed to involve students interested in travelling and getting in touch with other cultures. The best principal is “activating by doing”. Organising Workshops, Exchanges, the Congress or some informal activities makes members of the Local Committee more involved in the association.

Older students are more interested in the professional part of EESTEC. In general everybody (students, industry, universities etc.) must be convinced that EESTEC events are good for the participants’ studies and careers. Good way to do this is for example collect supporting statements about the benefits of EESTEC from the representatives of well-known companies and ask a permission to use these statements as an advertisement for the association. And again the personal contact should not be forgotten.

In order to meet other internationally oriented people it is not a bad idea to organise something in co-operation with other international associations like BEST, IAESTE, AIESEC, ESTIEM and so on. Even though their activities and aims are not always similar to EESTEC’s there are a lot of open minded people there who are willing to share their good experiences of international activities.

Other important partner for a Local Committee is a local guild or student union. It is always important to keep a good contact with this kind of organisations regardless of the Local Committee’s situa-

tion in respect with them. Normally most or all of the students are automatically members of the student union and so they can be informed about EESTEC with the help of roof organisation. Close co-operation makes EESTEC also know in a faculty and in whole university which makes it easier to find help whenever something is needed (premises, money, printouts etc.).

To have a well-organised and efficient Local Committee the local posts can be decided. This does not only give to people their own role but also makes a solid structure and a body for the Local Committee. There should be a person, the Chairman of LC, who takes the responsibility of the Local Committee and has a general grip of everything what is going on inside the LC. Another fundamental role is the Contact Person of LC who is in touch with the international Board and other Local Committees. Other posts can be the Treasurer, the Vice-Chairman who substitutes for the Chairman when needed, the Secretary, who has a duty to write the minutes of the meetings of the LC, the Events Officer, the Publicity Officer, the Webmaster etc. The number of roles depends only on the number of the members and people willing to take part actively in the Local Committee.

What to tell to people in the first contact.

The best way to start an introduction is to tell what EESTEC is and what are the activities of EESTEC. This means the Workshops, Exchanges, Congress and the other informal activities.

It is important to convince people that it is extremely beneficial to take part in the EESTEC. Internationalisation gives a great value for their future studies, careers and creates a network of friends and work mates. After the studies the network is still there and friends have become business partners. The participants of events learn a lot of local life, industry, educational system, culture, food, and so on. EESTEC makes it possible to visit places and see things which a normal student would never be able to see by travelling as a tourist or even worse, staying at home. EESTEC offers this possibility also in an incredibly cheap way because the accommodation and food are always provided in during the events. Adding own activities in EESTEC to a personal Curriculum Vitae (C.V.) raises student's value in work market and differs him from the others in a positive way.

EESTEC teaches students to cope with all kinds of people and situations. Participating and organising EESTEC activities improves the organisational and language skills. EESTEC turns even the shiest person in the world to the open minded and courageous cosmopolitan.

It is always best to share the EESTEC experiences with fresh members, telling them what has done during EESTEC activities and offering them a chance to do the same or even better things in their own way. EESTEC is open for everybody and everybody is interested in EESTEC even though they don't know it themselves yet! After the first contact is made it is important to show an easy access for more information. The address of the web page, the Newsletter, EESTEC-folder and other related documents should be given away for new members. They should be invited to the Local Committee's next meeting and added to mailing lists in order to get all the following information. Giving new members some responsibility and making them do something immediately also keeps them involved after the first contact.

Murphy's constant

Matter will be damaged in direct proportion to its value

6. How to organise an event - GUIDELINE

What do EESTEC people expect of an event? They are all sure that they will enjoy themselves, make new foreign friends, visit new places, learn about different cultures, find their new partner (or change the old one!!!) and work to make EESTEC grow!

OK! You have found the right guide to plan all these things and to create a really high quality event!

We are sure you have all it takes to organise an event. It's hard, but rewarding work!

6.1. Bases

6.1.1. Spreading information

An EESTEC activity can't be an isolated event, it must be an open event to the community. This is why you have to involve all the people around you. (Students, Authorities, sponsors, media and citizens in general even if they haven't got anything to do with EE)

It is necessary to prepare documents about the event and about EESTEC in general, in order to get the attention:

- * EESTEC official folder (you can find it in FTP server)
- * Local Committee's folder (you must make it on your own!!!)
- * Presentation of the event (very short EESTEC introduction, some past EESTEC activities data, description of the main activities of the event, rough program of the event, contact addresses)

You can send them by ordinary or express mail, fax or even email them (it depends on your relationship with the interested person and how reliable he/she is), but remember: if you send papers in an expensive way, they will seem more important than if you sent them in an ordinary way. Another good tip is to deliver them personally: success chances are statistically higher!

You must use these documents for spreading information to:

- * Tutor: It is quite helpful to have a “Promoter”, a “Godfather”, a “Patron” of the event. He/she should be an important person in the community. (He/she could be from the university or a public authority, a manager of a big company...) It would be important if he/she was constantly informed about what’s going on with the event.
- * Students: You should try to activate a lot of students from the very beginning of the preparation of the event. Use all ways you can imagine. It’s important to organise events frequently inside the LC (picnics, parties, trips, meeting...).
- * Sponsors: Refer to the section on sponsoring in the user guide.
- * Public Authorities: Focus on those who are concerned in cultural matters but don’t forget the other ones as well. Public authorities could be interested in promoting the local area.
- * Media: This is a very important point: it helps you with students, sponsors and public authorities at the same time. So you should nominate a public relations person, who is responsible of this task. He/she should find a contact person inside the media. Contact everybody frequently (TVs, Radios, news papers, magazines) and organise press meetings. Each time you want to contact them prepare a page explaining what’s going on, and fax it. Collect the articles about your event and include them into the documents.

6.1.2. Checking feedback

You should regularly check if you are reaching your goals (=people), if you’re not, you must change your tactics. It is really important that you make the EESTEC name know around as much as you can, so shout it in every direction!

6.2. Practical

As in the bases section it is important to distribute responsibilities equally among the organisers. The most important points being:

- * Arrival: find out the exact date, time and location of participants’ arrivals. Be prepared for delays and people getting lost or getting off at the wrong stations. Organise an EESTEC meeting point for the arrival and also during the event.

- * Accommodation: Several possibilities are hostel, dormitory, “self supporting house” and hosts (students’ and/or families’ homes). Note that the type of the accommodation you choose depends on your budget. If possible organise some spare sleeping bags, blankets and mattresses or even sheets and towels. It’s wise to arrange spare keys or the accommodation should be accessible all the time.
- * Transportation: The participants need to move freely around the city so depending on the number of participants and weather conditions you can use either public transportation, organise bikes or rent cars possible from the university. It is not suggested to use private cars (there have been several crashes during events). A map of the city and public transportation should be distributed.
- * Food: Be sure to enough for breakfast, lunch and dinner. Try to come to an agreement between your LC and student cafeteria management for free lunch tickets. Find out if there are any vegetarians or allergists.
- * Hotline: It is very important to provide participants before hand with 24-hours available telephone number during the whole program. For that purpose one of the responsible persons should be outfitted with a mobile phone. Remind the participants where they can buy phone cards.
- * Program: It would be best if there was one person responsible of organising the program for the day. That way you can avoid misunderstandings and save energy. Saving energy concerns also your guests so don’t overload the program. After late-evening-parties leave the next morning free. Spare-time activities have to be suggested in one way or another, for example sports, soccer games, cinema, disco, pubs, theatre... Provide a pocket guide or a program flyer which would include hotline, map of the city and public transportation, money exchange etc. Try to make a timetable, which contains start and end times of the activities.

6.3. During the event

Very important occasions during an event are the informal meetings and talks, like a welcome party, extended lunch or a farewell party.

The simple minimum criteria are a suitable place to talk with each other, some food and drinks and maybe a relaxing interruption.

Provide internet access. Compose address list of participants and hosts, and ask participants to verify it so that the updated version can be distributed.

Moneyhandling: one person should be responsible for paying and collecting the bills. A replacement should be planned in as well. If there are any changes to the program, it should be announced at least one day in advance.

Set up a hotline: One person must be reachable at any time (this responsibility can be assigned to different persons during the event) The phone number can be the local office's, the calls may be transferred to one phone (e.g. mobile, GSM...).

Psychiatric advice for people who tend to have frequent misunderstandings with either the participants, the hosts or both.

6.4. *After the event*

- * Articles for the newsletter/newspapers (EESTEC, students', locals'...).
- * All decisions arrived at by the General Assembly are to be published in the first issue of the Newsletter after the Congress. Write reports on the events.
- * Put logo of the sponsors at the end of the Newsletter.
- * Send personal thank-you-letters to: the sponsors, the authorities, the media, university departments and of course to the Godfather of the event.
- * Discuss the problems that came up during the event (be open towards suggestions and criticism).

Give the participants an opportunity to express themselves, either through Newsletter or by e-mail after a few days

If you learnt something new from your experience and you think it should be added or should be changed in this 'activities' part, ask the Board to modify this section!

6.5. Tips for participants

- * If you need visas to get to the host country think about that in advance (at least two months) because you all know it takes quite long to get things through bureaucracy.
- * If you need official invitations to get financial support from the University or to get Visas think about that in time! Mail to the organisers the precise text you need, so that they won't lose energies in trying to find the right one for you: they've got enough to do!
- * Come prepared on workshop subjects, on possible candidacies for vacant posts, on approval of reports, ...
- * Behave yourselves, be responsible, show respect for your hosts and their efforts.
- * It is an EESTEC tradition to bring a gift(s) for the hosts: creativity goes before price.
- * Don't be unjustly critical to the organisers. They have done a lot.
- * Be prepared for the event: any EESTEC activity is a challenge to body and soul.

6.6. Congress

An EESTEC Congress should be a place and occasion to discuss organisational matters and operating policies, elect the new Board, establish Exchanges and Workshops, etc. It should be an event relatively free of professional programs, and the representatives should be strictly EESTEC LocalCom representatives, capable of expressing the views and opinions of their LocalComs, even in unexpected situations.

In order to let the participants prepare themselves for the event provide them with necessary information by emails and on the webpage. We advice to create a Congress web page where partici-

pants can find all the answers to their possible questions. There you should find the program of the week, the workshop topics (which are suggested by the board) and all information about practical matters.

The Congress core consists of three general meetings and three workshops, which take time and energy. So organise them mostly in the mornings and calculate half a day for each of them. Try to find a quiet place for them.

One of the goals of a Congress is to receive as many LocalComs (= cities) as possible, which means that the 'invitation procedure' must be powerful. A maximum attendance of LocalComs will result in a more vivid continuation of EESTEC. A way to invite very unstable LocalComs is to send the letters also to some of the individual LocalCom members. Don't just send general emails to potential participants but send personal invitations to those people you know and you trust. Be also prepared for observers who want to apply for becoming an LC. Remember that they also need a bed! But remind that there can be last minute cancellations. There is a possibility for Congress participants, who cannot pay the expenses for the journey to apply for financial support by sending a written application to the Board.

Don't forget to invite the Alumni to the Congress: they are always looking forward to taking part, and they are financially completely independent! (alumni@eestec.org)

6.7. *Workshops*

An EESTEC Workshop should be a mostly professional event with a bit of local sightseeing and feasting. It is important (also to attract newcomers, 'the future of EESTEC'), that the participants are outside students who are particularly interested and/or outstanding in the subject of the Workshop, and not only LocalCom members.

A Workshop must be presided by a person who knows more than a lot about the subject, in order to make the discussions efficient. A professional expert or a professor is the best choice.

Try to choose a precise subject from the beginning so you can target your partners (firms, associations or institutions). Maybe it's a good idea to organise the whole Workshop together with one single company and even ask them if they have any suggestions on the subject.

Keep in touch with the experts and lecturers you have contacted during the period of preparation - even if you think that everything is clear with them. Send them all information available.

Ask the lecturers to send abstracts in advance (for your proceedings/reader), if possible in English. There is a possibility for financial support to the travel expenses, too (see above, Congress).

6.8. Exchanges

An EESTEC Exchange is the one event, which offers practically unlimited possibilities to the organisers. The host LocalComs should do whatever they want to and are capable of. It is important to have some professional moments and an introduction of the university. The few professional moments are the only ones you get sponsored so prepare them well. Remember that some of the students might be interested in becoming an Exchange student so they'll want to know about your university life.

Remember that your guests are there for a good time, and that one day or another you are going to reciprocate their visit.

Try to assure that all participants of your own country are also involved in the organisation. Try also to make sure that you are going to meet your guests again during the return-visit.

If the guests are spread in different student places all over the city, it is very recommendable to organise one or two nights in a place out of town, like a landhouse, a chalet or something similar. This allows getting to know one another much closer.

6.9. *The happy end*

This all sounds very complicated but as a miracle already many of these events took place, so just start to get more experience by doing and don't forget to learn from your own mistakes.

If you have any suggestions to improve this guide, or if you have questions, turn to the board <board@eestec.org>.

P.S. This guide does not claim to be the complete idiots guide! (Sorry for disturbing the idiots).

7. *Advice for Sponsoring*

7.1. *Introduction*

EESTEC events need a lot of money, so the main problem for many EESTEC members is that they cannot join these events because of economic problems. All LCs should search for national and international sponsors who can be interested in assisting our activities. However, in practice it is quite difficult to find funds. The ways and the possibilities may differ from country to country. Therefore each LC has to find its own way to finance its activities.

To follow these guidelines will prevent you from going in wrong directions. They are a collection of the know-how among the LCs set up during several EESTEC Congresses. So these ideas have been put into practice successfully by several Local Committees.

The following requirements should be satisfied by a LC looking for sponsorships:

7.2. *Registration*

For a sponsor it is important that the people who ask for money look serious and professional. The LC should be registered or be a part of a bigger organisation. Industries and companies will thus rely more on

the people whom they are providing money. Some universities give the possibility to enrol in the student Union or the local student association. Others can be officially recognised by their town hall or by the academic organisation. Anyway always put in the first place the fact that it is somehow an activity organised on the behalf of your University.

7.3. *Bank account*

Just as an official and registered association, the LC is able to open its own bank account. Do it in order to look serious enough. To use a personal account is often unfavourable.

7.4. *Sponsoring needs a lot of people*

The task of finding money usually requires co-operation and a whole group has to be involved, since loads of letters have to be sent to companies and a great effort is needed.

7.5. *Sources of sponsorship*

7.5.1. *Technical companies*

Contact companies who have branches in different countries in Europe; they usually are interested in international matters. Don't forget the regional companies; they might be interested in order to get local publicity. We are their future employees and customers.

7.5.2. *University*

A simple way to get money is from somebody who has an own budget like a rector, dean of your electrical engineering-faculty, etc. Often he also has the right to decide about expenses from numerous foundations that might be useful for EESTEC aims. These people usually know about other funds around the university.

At many universities a department for mobility, an office for international relations or something similar exists. They may support you. Also ask the several institutes and talk to the responsible professors. They are mostly open-minded and interested in activities like Exchanges and Workshops.

Students' associations or your guild are often interested in EESTEC and have possibilities to sponsor events. Organisations of former students (alumni) of your university might be interested in getting known among students that are their potential new members.

7.5.3. Other companies

Sponsorship can also be found from non-electrical engineering companies, who can support you in a different way than just giving you money. E.g. food, transportation, free entrance, conference rooms and accommodation for participants are really valuable. (Concrete examples: free lunch for the whole group, a bus for the trips, a fax machine placed at your disposal...)

7.5.4. Foundations

As mentioned above, you can find foundations at your university. But also local or national governments, the EU and companies might have some fund for students' matters. Try to find them!

There are different purposes that may suit to EESTEC as international contacts, Eastern Europe, mobility of students, Congresses/Workshops to technical topics, excursions, etc.

7.5.5. Industrial Associations

They might be interested in promoting the local industrial area and they have at their disposal a lot of money.

7.5.6. Earning money without begging

You can organise events (company recruitment fairs, parties, and so on) for local students and use the profit for EESTEC or guild matters. Another possibility is to run a kind of store, for example a place at the university where you sell occasionally - or even weekly - electronic and computer equipment for students.

Maybe it is not the best idea, but nevertheless it would be considerable to charge a membership fee. However, this requires a lot of members, otherwise it doesn't pay.

If all attempts are unsuccessful, it is still possible to earn money simply by working as an EESTEC□LC in an event (do the wardrobe at parties, etc.). This doesn't sound very attractive, but it can be more efficient than begging for money from companies.

7.6. How to proceed

7.6.1. Companies

* Find the sponsors

It is never too early to start doing things. (On the other hand it is never too late...).

An organisation of industries and firms could be contacted in order to get a list of companies willing to and interested in providing a sponsorship. Think also about companies you know.

Don't hesitate to use all your connections, even if it is just a friend of a friend who is in a position to support you.

If you don't have any connections, be prepared: for being successful in finding sponsors, about one hundred letters have to be sent!

* Patronage

Think about a patron, ask persons you would like to provide you a patronage. More details can be found in next chapter 'Contents of a letter' and in the 'HOW TO ORGANISE AN EVENT' section number 6 of the Userguide.

* Find correct address and contact person

The firms should be contacted by phone in order to find the most suitable person to send the information to. You also might check out some reasons to ask for a sponsorship.

There is no use sending a letter just with the company name on it. It disappears into the paper trash immediately because everybody thinks that it is not in his/her business.

* Send a letter

Send a formal letter to this person directly which explains in detail what EESTEC is, by whom it is represented. In this letter it has to be specified especially, that the company contact person will be contacted again by phone a few days after receiving the letter. This is done in order to avoid that the receiver throws the letter away.

If you write letters to companies, the success rate is often less than one out of ten: patience and several people are needed. You should consider all mailing and phoning costs in your budget!

Another strategy is to phone the contact person, explain him the project and fax or mail him afterwards such a letter. This solution is many times more convenient, as the interested person will really read the papers and not just 'scan' them as they usually do. (This is not discussed further.)

See also next chapter 'Contents of a letter'.

* Don't forget to thank!

Don't forget to express your thanks and your gratitude to all your sponsors: they should know what the money they have donated has been spent on. Not to do so is the easiest way to get rid of your supporters.

A nice idea is to write an article in a newspaper or in a news letter of the student association and to add this to the letter (see 'Spreading information' part in section number 6 of the User Guide). For self-written articles it's recommended to include a list of sponsors or their logos. This way you show the company your interest. This leaves a positive impression for future contacts for sponsoring.

7.6.2. Foundations

Foundations are often not well known, so the money is just lying around and waiting to be asked for. If the purpose of a foundation suits well to EESTEC, it is quite easy to get a sponsorship. It is recommended proceed the following way:

Look for a catalogue with addresses of foundations (phone the governments, ask around university, ...)

Send a letter like described in next chapter except offers. (Usually you do not need to offer anything to foundations.)

Don't forget to express your thanks and your gratitude.

7.7. Content of a letter

7.7.1. What to mention in a letter

- * Introduction of EESTEC
At first introduce EESTEC to the sponsor by telling him what this organisation is and what we are doing. Give him information about the kind of events you are going to organise.
- * Patronage
It is good if we can show the sponsor that there is a patron. He is caring about what we are organising and guarantees the event is on a good level. This patron can be the headmaster, the dean, a professor of the university or an alumni authority. This will increase the sponsor's trust in the seriousness and the success of your project. Don't forget to name him in written texts and even when you are at the phone with them!
- * Information about the event
Give a short abstract of the event you are going to organise; refer to the programme and budget in the annexes.
- * Sponsors of past events
You should add some names of few famous sponsors from events in the past, but not more than 5 or 6. If you have the chance to meet personally your potential sponsors show them past events' reports with the logos of sponsors (it is a concrete proof). To give the company a bigger motivation for being our sponsor, mention that they can be a main-sponsor. You should always be aware of the concurrence between the sponsors. Some of them don't like to be sponsors, when mean while you are sponsored by their biggest concurrent. It might also be the other way around: if a company sees that a concurrent a sponsor, they want to be a sponsor as well. This depends on the culture.
- * Our interest in the sponsor
Show your sponsor that you are informed about his products and activities. That's why you need some information about the sponsor (e.g. annual report, publication on the company...) before you contact them.

- * **Quotes**
Add quotes from important persons or some sponsors from the past: it helps in showing that already some people believed EESTEC! You can find those quotes in the Ftp (such as Ognibene and Corghi's ones).
- * **Our offers**
Then show him the possibilities of support, indicating in which way he can assist in your event (see also next section).
- * **Note that you will contact him**
You will be much more successful, if you get in real (personal / telephonic) contact with your sponsor. Therefore, inform him in your letter about your contact-person (i.e. name), who will phone him up in about 10 days.

7.7.2. What EESTEC can offer to the sponsoring companies

Always write down what you have promised and keep your promises.

- * **Publicity**
The basic rule is that any positive publicity is a good public ity, so there are no limits for creativity.
The companies can show their logo, name and products on posters and clothes, associated to the Congress, to the members of EESTEC and to many other people, because the Congress is going to be on the main local media.
You can offer to print their logo on mensa-coupons, bus tickets (if possible), participants' information papers, notice boards, etc. There are many ways, use your imagination!
- * **Advertisement**
You can offer advertisement in the final report of the event, EESTEC Newsletter, local guilds or students' association magazine or that you spread around prospects to the participants.
- * **Excursions / Lectures**
The companies can give or sell their products to the EESTEC members when they are visiting the plants in order to let any one realise, how good, famous or what ever the products are. The companies can improve their image by the positive opinions of the members who will talk about it or will consider it to other persons in the future. The best way for the compa-

nies is to invite the EESTEC members to visit their plants or to listen to their special lectures.

The companies can show us how they work and which kind of job they can offer to the young engineers in the future.

* EESTEC network

We can offer them our international network built up by those many LCs: it is really important that we show them how many personal contacts we are building in Europe among us.

This is a very strong peculiarity of EESTEC which will interest many companies, as warranty that the EESTEC activities will somewhen pay them back through international contacts. This will improve their chances to work abroad if they are a small company, and it will be appreciated by big ones as well as it is one more chance of external relationship.

7.7.3. What to add to a sponsoring letter

* Information about EESTEC

You can add the 'EESTEC folder' to your letter! You can find this on: <ftp://ftp.eestec.org/>

* Budget

You should approximately show the costs of you project, and explain what you are going to spend the money on: food, accommodation, transport, etc. This also proves that you really take it serious.

It's a good idea to ask for more money than the amount you really need, this way you will have more chances of getting the money you need.

* Programme

A company is not only interested what they are going to assist for but also how you are going to organise the event with their money.

* Articles

If you have newspaper articles about your job in the past you could also send them with the letter.

7.8. *Further ideas*

Almost all universities have a local student association. Working close together with or being part of this local student association has many advantages. For example, you can use its infrastructure and often you even get some money for your activities. It would be an optimal condition if some of the members of the Local Committee also work for the local association. If that is not the case, try to get some of the members of the local association interested in EESTEC.

Make EESTEC known at the University. The more popular it is, the greater is the chance to get money.

In the ‘Annexes’ section number 8 you’ll find an example of sponsoring letter: use it!

Murphy’s law

It is impossible to make anything foolproof because fools are so ingenious

8. Appendices

8.1. Application for Financial Aid

Deadline for written submission to the Board is 6 weeks before the event. Applications are for one person only.

EESTEC, c/o AMIV, Universitätstrasse 19, 8092 Züürich, Switzerland

*Event, Date

*Personal Data Name Address

*E-mail

*LocalCom

*Date of Birth

*Passport No.

*Visas needed?

*Cost of Visas if needed (in local currency and in CHF)

*Efforts of the Participants

*Which efforts have been made by the applicant to raise money?

*How much money did the applicant get?

*How much money can be paid by the applicant him/herself?
(in local currency and in CHF)

*How much do all possible means of transport cost?
(bus, train, flight, other)

*What is the cost of the cheapest way to travel in detail?
(Connections and their prices in the local currency and in CHF)

*What has the applicant done for the organisation EESTEC and when?
Posts seated?

*Participation in international activities and posts occupied.

*Local activities?

*Posts seated?

*LocalCom of the participant

*What has the LocalCom done and when?

*How much money can the LocalCom of the applicant contribute?

*Place:

*Date: _____Signature

8.2. Example of a sponsoring letter

<Company Name>	<LC EESTEC address>
<Company CP>	<Own name>
<Company Address>	<Own address>
	<Own phone number>
	<Own email>

Offer for partnership

EESTEC (Electrical Engineering STudents' European assoCIation) was founded in Netherlands in 1986. Since 1995 it is a recognised association seated in Zurich, Switzerland. Currently there are 24 Local Committees participating.

The primary aim of EESTEC is to promote and develop international contacts and the exchange of ideas, as well as improve technical acknowledgement between electrical engineering students. Main events are Workshops, student Exchanges and annual Congresses. All these events are mainly financed in partnership with (international) companies. Previous partners include Nokia, ABB, Siemens-Nixdorf, Barilla, Corghi and Andersen Consulting, just to name few.

EESTEC LC-Greenland is organising a Workshop concerning Picture making without camera. We are proud to provide You with an opportunity to take part in this Workshop as a partner. This Workshop will take place in Munich, Germany during Oktober Fest 1998.

We offer You a chance of being our main sponsor of the official EESTEC Workshop-98 T-shirt. This T-shirt is going to be orange with black printings. In front there is the EESTEC Workshop-98-logo and in the back logo of the partner. The T-shirts will be worn by the Workshop participants during the Workshop.

T-shirts are going to be XL-sized, material 100 % cotton.

Colour orange with black printings.

Amount of T-shirts 80.

Size of logo on the back 280 mm * 190 mm.

Price 1000 ECU's.

We will contact you next week in order to know if you are interested in sponsoring us and to give you more information if needed.

Yours sincerely,

Greenland 1.4.1998 _____Own name