



Secretary-general: Maria J. Martins, IST, Lisbon, Portugal  
Tel: + 351 21 8419203, Fax + 351 21 846 44 55 E mail: pcjoaom@alfa.ist.utl.pt

**THEIERE meeting**  
**2<sup>sd</sup> Meeting , 3<sup>rd</sup> Year of activities**  
Lappeenranta University of Technology.  
8<sup>th</sup> & 9<sup>th</sup> March 2003 (Saturday and Sunday)

**Present :** Antti Luukko, P. Lappalainen, M. J. Martins, J.M. Thiriet, F. Klett, E. Shoikova, C. Laszlo, G. Georgiev, S. Stefanova, J. Ligus, D. Dimitrov, A Seoane, R. Catthoor, Z. Mrozek, W. Grega, H. Lamers, J. Juraszek, A. E. Ward, M. Novell, J. Salo, M. Hoffmann, A Zynovchenko, O Bonnaud, D. Genon-Catalot, A Garcia, J. Benlloch, J.C. Burguillo, A Suarez, O Rösch, C. Perra, J. Jasenek, F. Maciel Barbosa, M. Chmela, R. Krivickas, I. Slaidins, R. Ubar, H Yahoui, S. Mylvaganam.

**Excused:–** M. Robert, V. Havlicek, M. Diprose, J. Esteves; E. Riedling, B. Conrard.

**8th March 2003- Saturday**

### **1 - Introduction by the coordinator**

Information on the TN coordinators meeting in Brussels on the 20th January 2003.

There is a new team for this programme in Brussels.

There are new financial rules.

If we don't get a mark on the Final Report higher than 5, we have to refund all the personnel cost money.

A re-negotiation of the grant has been submitted: more money for travel and publication/ dissemination costs (other costs), less money for personnel.

The costs of the Vienna meeting have been paid already.

In the future it is possible that only part of the travel expenses can be refunded.

There are two meetings to come: the meeting in Gdansk together with the 14th conference of the EAEIE, and the Final Meeting.

### **Task 1 - Monography- Objectives for 3rd Year:**

Each national coordinator must present his new version on Sunday.  
The monography must be reviewed (version 5) and printed.

### **Task 2- Objectives for 3rd Year:**

Insert all courses in the sample format/template – Technical Support Group  
Quality control group  
Didactics monitoring group  
Try to link some courses together  
Update existing courses from INETI-MUCON project

Please review if all links from the Nancy server to your server are OK.

**2 - Report of the quality control group** , group composed of M Novell, M. Diprose, M. Hoffmann, F. Klett, J. Benlloch, Z. Mrozek, Elena Shoikova

#### **2.1- Presentation by Montse Novell - M. Novell- [www.baldufa.upc.es](http://www.baldufa.upc.es)**

Quality assessment of THEIERE courses installed in the distributed server. A complete overview of important parameters concerning usability of the courses was performed.

A search for quality criteria was performed and done taking as a model the Berkeley- Web page evaluation form and Kent state- Web page evaluation

The parameters assessed were: potential effectiveness as a teaching learning tool easiness of use, navigation effectiveness. A list of courses and usage parameters was presented.

CONCLUSION: for the packages, it is requested to add at least authorship, date, working objectives, profiles of students (pre-requisites and learning objectives) => all this information needs to be present when a course is prepared.

#### **2.2- Presentation by Z. Mrozek on ISO 9004-2**

Possible implementation of ISO 9000

This applicatoion lies on the assumption that:

Teaching= service

Students = customers

A proposal for definition of a quality service system according to ISO 9004-2 was done. There were some remarks from the audience concerning this proposal.

#### **2.3- Presentation by Elena Shoikova on quality control**

- Career-space.com
- Pan-ICT project
- We should start developing common curricula
- Computing curricula 2001, Computer Science (IEEE CS & ACM)
- Reference guide for instructional design and development (on IEEE website), a very well done tool!
- Feedback instruments: three questionnaires for e-learning courses are ready:

- for learners
- for teachers/tutors
- for certification of the e-learning course
- 

These questionnaires will be used for evaluating the courses

#### **2.4- Presentation by Fanny Klett- A User Centered approach to design.**

F. Klett presented some rules for graphical user interface design, with the aim to improve the graphical interface of the courses.

Please refer to the attached presentation.

#### **2.5- Presentation by Jan Ligus - Database of instrumentation and control course on the server in Kosice**

e.g. Neural networks in PLC (Jan Ligus)

- Database for European courses on Instrumentation and control was updated and is now in the final stage.

- Discussion on the definition of product commercialisation.

There is a discussion on this issue. THEIERE or EAIEEE partner institutions should have free access.

A possible strategy for course commercialisation was presented and will be possibly used by the Slovak partners through an agreement between Kosice University and an ICT company.

An example of an already commercialised product (in Slovak language):

<http://www.ulern.com>

Courses in Slovak language at <http://81.0.210.34>

login: student.sk

password: demo

### **3 - Completion of Task 2.**

Partners were divided in groups according to specialities and tried to find links between the courses with the objective of building the embryo of a multi-national virtual syllabus.

**9th March 2003- Sunday**

**1- General introduction by the coordinator**

**2- Presentation by J-M Thiriet - Overview of task 1 results.**

**2.1-Report - 1st part**

State of the art

Available institutions, curricula, diploma, accreditation, crediting ( still not defined).

**2nd Part**

Implementation of 3-5-8

Proposition of Common curricula.

**3- Presentation by Hamed Yahoui on present state of implementation of 3-5-8.**

Pedagogical content of the course: who defines it, who accredits it?

How many ECTS to complete the degree?

New server in Nancy dedicated to this purpose.

Search engine by keywords

Percentage of subjects in the course.

In several countries the curricula is defined by each university: that is the case in Portugal, U.K., Latvia, Germany, Estonia.

**4-Several new coming from various countries have been provided:**

Version 4 of the monography available at:

[http://www.eaeee.org/theiere/meeting\\_lappeenranta/slides\\_358.ppt](http://www.eaeee.org/theiere/meeting_lappeenranta/slides_358.ppt))

**4.1- Presentation by Maciel Barbosa on the present implementation of 3-5-8 in Portugal**

Suggestion : to include the website of the various institutions in the Table provided with the common format.

**4.2- Presentation by Ilmars Slaidins on the present implementation of 3-5-8 in Latvia.**

Some parts are still missing (see

[http://www.eaeee.org/theiere/meeting\\_lappeenranta/slides\\_358.ppt](http://www.eaeee.org/theiere/meeting_lappeenranta/slides_358.ppt))

Jussi Salo from Lappeenranta will provide information about Denmark,

JM Thiriet will provide information about Netherlands.

MJ Martins will contact the Slovenian partners to provide information on this issue

**5- Proposition of Common curricula**

Working groups ( one for each speciality) have been constituted:

- A list of keywords has been elaborated in order to qualify the sub fields of Electrical and Information Engineering. This working group has worked under the supervision of Michael Hoffmann.
- A group headed by R. Krivickas and Jean-Marc Thiriet has discussed about a questionnaire proposed by R. Krivickas for a "model of a bachelor". This model has to be filled before the **2<sup>nd</sup> May**.
- A group constituted by E. Shoikova, A Luukko, P. Lappalainen and D. Genon-Catalot has reflected on a "curricula development methodology".

Draft recommendation for curriculum development in Computer science. Based on IEEE model curriculum and career Space

Tech 30%  
Personal 20%  
3 months stage in industry

definition of topics  
Definition of objectives and outcomes  
Definition of workloads in terms of hours  
Connected with outcomes

A final word of recognition to thank our colleague Antti Luukko for the impeccable organisation of this meeting.