Report from the Meeting of the Region 8 Educational Activities Committee held in Delft, May 27 and 28th 2005.

Present from the EASC : Victor Fouad Hanna (VFH)(Chair), Jan Biemond (JB), Duncan Baker (DB), Aleksander Szabo (AS), Kurt Richter (KR), Imre Rudas (IR) and Matej Zajc representing Jurij Tasič (JT).
Charles Turner (CT) excused and sent a report.
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Were present also: Baldomir Zajc (Director of R8), Jozef Modelski (Vice-Director Technical Activities), and Jean-Gabriel Remy (chair of the IRC)
The meeting began at 0900 on May 27th

Introduction
VFH proposed the agenda for the meeting and outlined the policy objectives for the Committee.

1. VFH presented the EASC Mission, Action Plans, Officers Jobs, Grouping of Sections as approved on the meeting in Krakow, and gave an actualised version of the Report that he presented to R8 Paris meeting on April 2005 (a copy of this report is attached).

a. Some approved modifications concerning EASC officers jobs:
    i. Continuous Education Programs: JB.
    ii. Continuing Professional Programs (Professional Activities) : AS + JT
    iii. Special purposes R8 Awards for EA Services : KR + DB +RI
    iv. Pre-College Education in Electric and Electronic Engineering and Connection to pre-University Community : AS + JT + DB
    v. Workshop Program on Leadership and Management. : KR + RI

b. New officers are added to the Grouping of sections list:
    i. Group 1: Officers are Kurt Richter and Imre Rudas. As a consequence Hungary is moved from Group 2 to Group 1.
    ii. Group 2: Officers are Aleksander Szabo and Jurij Tasič.

2. **Initiatives of the Pre-Engineering College Committee of the EAB.**
   (Duncan Baker, Chair of this committee in the EAB).
a. Initiatives of the Pre/Engineering College Committee were presented using the presentation of Mose Kam (Kam_Pre-College Education_April_May_05_Version_02.ppt)
    i. It was pointed out that IEEE should join to the two programs, namely Try Science and Teach Engineering. The industry and professional institutions should be also involved with identifying the relevant content.
    ii. The idea of development of a magazine similar to Spectrum for youth was introduced.

      iii. The importance of defining the minimum standards for the EE engineering education was outlined. It was pointed out that IEEE could play an important role.

      iv. Due to the decline in enrolment to engineering degrees the importance of very early presentation of the engineering career was exposed. The initiative is called launching our children's path to engineering.

      v. The key issues:
1. Founding an IEEE Institute for Teacher In –Service Program
2. Development of portals for students, parents, teachers and counsellors.

3. R8 Pre-college activities Report.
(Alexander Szabo).

a. The 16 R8 Education chapters were asked to define the state of the pre-college education with the goal to identify the existing and required pre-college activities taking into account the diversity of R8 countries.

b. Region 8 should prepare a web site for pre-college education activities.

c. It was concluded that educational activities should be more strongly presented on Eurocom 2005 in Belgrade in November (why not an Education Session?).

4. Enhancing Activities in Science Education Workshop, Annecy, October 2005.
[LMC + EASC Co-organization].
(Victor Fouad Hanna).

a. VFH presented the developments regarding the organisation of the workshop on Enhancing activities in science education that will be held in Annecy, France. At the moment 5 Sections with 25 participants are supposed to be involved. A proposition from EASC members was to invite more Sections to the meeting with less representation from each section.

b. VFH presented Annecy Workshop Grant Request.ppt sent to LMC that gives details regarding objectives, details, outcome and budget ($32K : $18K by LMC and $14K by R8)for the workshop.

5. Report from Charles Turner (presented by VFH)

a. Report on Education Society Chapters was presented pointing out the importance of Chapters in R8 and opportunity to develop programs that other regions could follow.

b. The major areas of further development:
      i. Continuing Education: define which Sections need help.
      ii. Pre-University Education: can activities from USA be adopted in R8 which is very diverse.
      iii. Management of Engineering Education: EASC could bring together experienced engineering academics to explore different models from around the world.
      iv. Accreditation/Recognition of Programs: long-term goal of EASC.
      v. Student Exchanges

6. **Continuous Education (CE)Experience and Ideas.**
   (Jan Biemond).
a. JB presented his experience in organising many continuous education workshops within his university and his section, then discussions regarding the continuous education program gave the following conclusions regarding these workshops:
   - i. They should be organized as one day workshops.
   - ii. They should be free of charge.
   - iii. They should be followed with later trainer workshops.
   - iv. A coordination must be made between the selected IEEE CE Education Society products and the corresponding IEEE CE selected technical Societies products

7. **Professional Education activities in R8.**
   (Alexander Szabo).
a. First the importance of professional activities was outlined. It was proposed that the programs from IEEE USA should be considered.
b. In preparation of professional activities it should be taken into account the diversity of R8.
c. AS proposed that members could be contacted via a column in the Newsletter. The information of professional activities could be distributed in different ways:
   - i. electronic newsletter
   - ii. web page
   - iii. printed newsletter

   Everyone agreed that each has advantages and disadvantages.
d. It was pointed out that each Section should have an officer for professional activities who can be selected from the officers of the existing Education chapters.

8. **Establishment of document defining the Set of Knowledge that meets Expectation of Industry.**
   (Jean Gabriel Remy).
a. Mission of a common action between EASC/IRC.
   First, some major problems were addressed:
   - i. Academia people are interested mainly in publishing papers.
   - ii. Patent and copyright issues are not well presented.
   - iii. Students' preparation is not well suited for industry needs.
   - iv. Industry is afraid to disclose to academia.
b. Industry needs are for example:
   - i. understanding the physical phenomena
   - ii. knowledge of standards.
   - iii. mastering of IT systems.
   - iv. communication and economical skills.
c. It was pointed out the importance that universities could have regarding the standards:
   - i. students should be able to read the standards.
   - ii. academia should look for mistakes in standards.
d. In many R8 countries relations with the industry are already strong. Information should be preceded to other members.

9. **Education Society Chapters Formation in R8.**
   (Alexander Szabo).

a. At the end of 2004, Sections were asked to consider forming EA chapters as a result of the decisions taken by the R8 EASC in 2004. As a result there are 16 formed Chapters and 8 Chapters under development in R8.

b. It was proposed that Chapters should be addressed to prepare proposals for the future activities. This would be the starting point in the preparation of the R8 program for Chapter activities.

In addition, EASC agreed Jozef's proposal that the Chapter's chairs should have a meeting in a near future (proposal : during MELICON 06 in Spain) to discuss the roles of Chapters. Victor Hanna and Ibre Rudas took the responsibility for this action.

10. **Region 8 Leadership Workshop Program Activities**
    (Kurt Richter).

a. It was reported that 11 workshops were conducted in 2004 and 1 workshop in 2005. The total number of participants was 411. (The details are given in presentation Delft Report on Leadership WS.ppt)

b. There are three different types of workshops:
    i.   Trainer recruitment (Leadership and Management) WSs.
    ii. Train the trainer WSs
    iii. New trainers WSs in the presence of R8 trainer.

c. The planned workshops for 2005 are in the following countries: Turkey (requested, type I), France (requested, type I), Serbia and Montenegro (confirmed, type III), Bahrain , UAE and Saudi Arabia (confirmed, type I), Bosnia and Hercegovina (planning, type III), Slovenia (planning, type III), Croatia (planning, type III).
    There is great interest also in other countries.

d. The expenses for 2004 are 16 803 $.

e. The required budget for the execution of the proposed 200(plan is an amount up to $14000 .

f.   The estimated (by KR) required budget for 2006 WSs program is an amount up to $12000.

g. The EASC approved the following proposal presented by VFH concerning the rules regarding the R8 financial support for these workshops:
    i.   Type I workshops: travelling costs covered by Region 8 only one time for all sections and two times for sections from countries with low income.
    ii. Type II workshops: travelling costs covered by Region 8 only for the countries with low income
    iii. Type III workshops: travelling costs covered by sections.

13. Proposed Budget for 2006.

- IRC action, task force, motion 23 Krakow $5000   (moved from $6000 in 2005)
- Pre-college activities $5000*   ($14000 in 2005)
- EASA meetings $8000   ($9000 in 2005)
- Workshops $12000   ($14000 in 2005)
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- unexpected events $2000

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- Total $32000*   ($43000 in 2005)

*with the assumption that the Annecy Pre-college Workshop will be held in 2005.

11. Motions for R8 Tampa meetings.

    i.   R8 to provide a financial support of an amount up to $6000 for R8 Education Chapters meeting at Melecon 2005 in Malaga. [The EASC proposes that the budget (up to 12 000 $) is covered half by the Region 8 and half by the Education Society].

    ii.   R8 to approve an action between R8 represented by its EASC and IRC and the European Association for Education in Electrical and Information Engineering (EAEEIE) for a proposal to the European Commission concerning proposed Enhancing activities in EE education Champions :J.G. REMY and VFH

    iii.   R8 to approve the proposed budget for 2006 given in item 13

The meeting was concluded at 1200 on May 28th