Θέμα: Φέρηξ
Από: ΤΕΕ Δ/ΝΣΗ ΘΕΕ & ΔΙΕΘΝΩΝ ΣΧΕΣΕΩΝ <greok@central.tee.gr>
Ημερομηνία: 6/6/2016 10:59 πμ
Προς: tee@central.tee.gr

-------- Forwarded Message --------
Θέμα: Δουβλίνο
Ημερομηνία: Mon, 6 Jun 2016 10:54:46 +0300
Από: Aris Chatzidakis <chatzidakisaris@gmail.com>
Προς: Ioannis Zampatis <zebra@central.tee.gr>

Αγαπητέ Γιάννη

Σου στέλνω την έκθεση για Δουβλίνο παρακαλώ προώθησε την.

φιλικά
Αρης

Συνημένα:

ΕΚΘΕΣΗ ΓΙΑ ΕΜC FEANI ΣΤΟ ΔΟΥΒΛΙΝΟ Σ =%3

176 KB
ΕΚΘΕΣΗ ΓΙΑ ΤΗΝ ΣΥΜΕΤΟΧΗ ΣΤΗΝ 150\textsuperscript{η} ΣΥΝΕΔΡΙΑΣΗ ΤΗΣ EMC FEANI ΣΤΟ ΔΟΥΒΛΙΝΟ ΣΤΙΣ 10 και 11 ΜΑΙΟΥ 2016

Αριστόδημος Χατζηδάκης πολιτικός μηχανικός 6-6-2016

Η έκθεση επισημαίνει τα βασικά σημεία που θεωρώ ότι πρέπει το ΤΕΕ να είναι ενήμερο, πλήρης καταγραφή γίνεται στα πρακτικά που επισυνάπτω.

Η συνάντηση έκκινησε με την επικύρωση των πρακτικών της προηγουμένης και την ενημέρωση από την Εκτελεστική Επιτροπή της FEANI.

Η Εκτελεστική μεταξύ άλλων επικύρωσε την συμμετοχή μου στην EMC ως τακτικού μέλους και συνέστησε την συνέχιση της συζήτησης για την υιοθέτησή του κειμένου “Professional Status of the Engineer in Europe”.

Στην συνέχεια έγινε η διαδικασία έγκρισης των αιτήσεων για τον τίτλο του...Από τις 54 αιτήσεις εκρίθηκαν 47 και για 7 ζητήθηκαν νέα στοιχεία. Έγινε η στατιστική παρατήρηση ότι οι ηλεκτρονικές αιτήσεις έχουν συνήθως περισσότερες ελλείψεις από τις έντυπες. Εκφράστηκαν ανυποκρίσεις για την πτώση του ρυθμού των αιτημάτων.

Ενημέρωσα ότι το ΤΕΕ δέχεται τις αιτήσεις και των αποφοίτων τεχνολογικής εκπαίδευσης για τον τίτλο του EUR ING γιατί δεν υπάρχει άλλος εθνικός φορέας που να εκπροσωπεί την FEANI. Για να ξεπεραστεί το πρόβλημα ότι δεν είναι τακτικά μέλη του Επιμελητηρίου, οι απόφοιτοι της τεχνολογικής εκπαίδευσης έγγραφονται σε ειδικό κατάλογο. Η EMC θεώρησε ότι η παραπάνω διαδικασία είναι σύμφωνη με τους όρους της FEANI.

Τέθηκαν βασικές αρχές για την ενταξία νέων προγραμμάτων στο FEANI INDEX, ο εκσυγχρονισμός των κανονισμών του όμως θα αποτελέσει αντικείμενο επόμενης συνάντησης. Έγινε συζήτηση πάνω στην παρουσίαση από τις Ομάδες Εργασίας νέων προγραμμάτων προς ένταξη στο INDEX και απορρίφθηκαν αιτήματα που αφορούσαν κύκλους που δεν είχαν σχέση με σπουδές μηχανικού.
Ο μεγαλύτερος χρόνος αφιερώθηκε στην προσπάθεια του Γερμανού προέδρου της Επιτροπής να προχωρήσει την συζήτηση για την πιθανή ενοποίηση της engineering card και του τίτλου EURING. Η προσπάθεια διακαιολογείται από την ανάγκη τόνωσης των οικονομικών της FEANI, ετσι προτείνονται διάφοροι τύποι συνδρομής και αντιτίμου, παραπέρα προτείνεται στο νέο αυτό προϊόν να καταγράφεται και η συνεχιζόμενη εκπαίδευση με όσα προβλήματα αξιολόγησης αυτό συνεπάγεται. Οι παρεβροικόμενοι χωρίστηκαν σε 4 ομάδες προσπαθώντας να καταγράψουν όλες τις πλευρές του θέματος. Τα διάφορα επιχειρήματα καταγράφονται στα πρακτικά χωρίς να υπάρξει κατάληξη και η συζήτηση θα συνεχιστεί.

Η άποψη που εξέφρασα ήταν ότι η επαγγελματική κάρτα θα πρέπει να είναι σύμφωνη με τα προβλεπόμενα από την Οδηγία και ότι αλλή μία κάρτα θα δημιουργήσει σύγχυση χωρίς να είναι καθαρό σε ποιον απευθύνεται. Μία κάρτα που δεν θα είναι αυτή της Οδηγίας θα μπορούσε να είναι χρήσιμη μόνο σε απόφοιτους χαμηλότερης βαθμίδας σπουδών που θέλουν να την χρησιμοποιούν αναζητώντας εξαρτημένη εργασία. Η FEANI πρέπει να επενδύσει στην συνέχιση απονομής, και ενδυνάμωση του τίτλου EURING για τον οποίο υπάρχει γενική συναίνεση των κρατών μελών. Παράλληλα έχει ένα όνομα στην αγορά εργασίας των μηχανικών που χτίστηκε με πολύχρονη προσπάθεια.

Επισυνάπτονται τα πρακτικά της συνάντησης.

Άρης Χατζηδάκης.
### DRAFT MINUTES OF THE 149th FEANI EUROPEAN MONITORING COMMITTEE (EMC) MEETING

10 May 2016, 13:00-18:00 hrs, 11 May 2016, 9:30-13:00 hrs

Engineers Ireland premises, Dublin

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<th>A/D</th>
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<tr>
<td>Chair:</td>
<td>Mr. L. FUNK (DE)</td>
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<td>Deputy Chair:</td>
<td>Mr. D. OWENS (IE)</td>
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<td>Prof. A. SOEIRO (PT)</td>
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<td>Members:</td>
<td>Prof. M. BOOTH (UK)</td>
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<td>Mr. A. CHATZIDAKIS (GR)</td>
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<td>Mr. K. DE WEVER (BE)</td>
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<td>Prof. Ch. GEMPERLE (CH)</td>
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<td>Mrs. E. HAUGERUD (NO)</td>
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<td>Mr. G. HENRIST (FR)</td>
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<td>Dr. M. JAGODIC (SI)</td>
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<td>Mr. D. OWENS (IE)</td>
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<td>Prof. G. SCHACHINGER (AT)</td>
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<td>Mr. D. SEDANO (ES)</td>
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<td>Mr. C. E. THOMSEN (DK)</td>
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| Secretary: | Mrs. R. HEISSNER |

### By

1. **Opening and Welcome**

The CHAIR welcomed the EMC members.

2. **Apologies for Absence**

Apologies were noted from Mrs. M. NORMARK (SE) and Mr. G. CARDINALE (IT).

3. **Approval of the Draft Agenda**

   **277A**

The agenda was approved. It was noted that Mr. D. OWENS would give a presentation on the activities of Engineers Ireland and the economy and engineering profession in Ireland in the morning of the second day.

4. **Approval of the Minutes of the Previous Meeting**

   **275**

The minutes of the past meeting were approved without modifications.

5. **Review of the A/D List from the Previous Meeting**

   **276**

It was otherwise noted that the open items of the A/D list would be covered during the meeting.

6. **News from the FEANI Central Secretariat**

The EMC CHAIR reported that the Executive Board at its meeting on 10 March 2016 had

- appointed Messrs. G. HENRIST, C. THOMSEN and A. CHATZIDAKIS as new EMC members
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<tr>
<td>-</td>
<td>approved the changes in the EMC and NMC handbooks</td>
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<td>approved the circulation of the CPD surveys’ results</td>
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<td>noted the status of EMC discussions on the “Professional Status of the Engineer in Europe” and the proposal for reframing FEANI products</td>
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<td>This was noted.</td>
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7. EUR-ING Applications

7.1 Checking of applications

- 54 applications were checked
- 47 applications were agreed to be accepted
- 7 applications were not accepted/deferred

7.2 Plenary Session and review of deferred applications

It was noted that the percentage of deferred applications is significantly higher for e-applications than for hardcopy applications. EMC will monitor this at the next meetings. This was agreed.

Mr. A. CHATZIDAKIS referred to the provision in the EUR ING system that applicants need to be member of a FEANI National Member association in the country where they apply for the title. He informed that the GR NM does accept EUR ING applications also if candidates are not full member of the Technical Chamber of Greece, subject to FEANI conditions are otherwise fulfilled for the title EUR ING. EMC considered that this was in line with the FEANI provisions. As such EUR ING applicants are separately listed by TCG with a special status. This was noted.

7.3 Register – forecast statement

It was noted that the FEANI budget in 2016 assumes the award of some 257 EUR ING titles in 2016, thus an average of 64 titles in each of the four EMC meetings. During the first two EMC meetings this year, this goal has not been met with 57 awards at the first meeting and 47 at this meeting.

8. INDEX updates

The EMC considered that criteria to accept new schools for the INDEX should be specifically outlined and included in the EMC/NMC documents. The following criteria were put forward:

- The university has to be officially recognized by the State
- The university has to offer engineering programmes
- An accreditation system/quality assurance system has to be in place on programme or institutional level
- The university has to be involved in national/international research projects with engineering relevance
- The university needs sufficient resources for teaching activities
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A/D 4. It was agreed to review the topic at the next meeting and approve the criteria accordingly.

8.1 Programme Submissions

RU (WG Sedano, Chair), 145EMC/213: it was noted that the WG received comprehensive information from the NMC, including evaluation sheets and an overview list of programme submissions at MEPHI National Nuclear University. Those were however found to be somewhat inconsistent. It was noted that:
- the WG analysis was made on the basis of the names and information on the evaluation sheets
- the NMC had confirmed that an engineering degree is an entry requirement for the add-on Master programmes.
- that all EUR ACE labels are automatically eligible for the INDEX

5. EMC agreed to accept the following programmes:
- Thermal Physics of Nuclear Power Systems (first cycle, 4U)
- Material Science and Technology of Materials (first cycle, 4U)
- System Analysis and Life Cycle Management (first cycle, 4U)
- Computer Science. Economics (second cycle, 2U)
- Technology for Nuclear Engineering (second cycle, 2U)
- Software Engineering (second cycle, 2U)
- Materials Science and Technologies of Materials (Nanomaterials) (second cycle, 2U)
- Materials Science and Technologies of Materials (Advanced Technologies) (second cycle, 2U)
- Computer Science and Engineering (second cycle, 2U)
- High-tech Information Systems (second cycle, 2U)

The other submitted programmes were not accepted due to a lack of engineering subjects.

Post-meeting note: The FEANI SG noted after the meeting that RU has not paid its membership fee for 2016 (nor for 2015). The above INDEX update, as well as consideration of further submissions from RU, should be subject to payment of the membership fee. This was agreed by the EMC CHAIR.

6. MT (WG Booth, Sedano), 148EMC/255: the preliminary WG report was noted. It was agreed that Mr. M. BOOTH will finalize the report and that subject to EMC reconfirmation (e-mail circulation), the programmes will be accepted.

7. UA (WG Soeiro), 274: it was agreed to add Mr. M. JAGODIC to the WG. It was noted that the WG will continue liaising with the NMC to obtain programme evaluation sheets and information about the university, including facilities, faculty, etc. It was reminded that EMC at the past EMC meeting had decided that the award of Engineering Cards in UA is at this stage subject to the candidate’s degree programmes being in the INDEX.
8.2 **Applications for automatic INDEX updating**

It was *noted* that:

- the CHAIR is in contact with the NL NM
- Mr. G. HENRIST will liaise with the FR NM to prepare for an application for automatic INDEX updating.

9. **EMC activities**

9.1 **Concept/business model for bringing EUR ING and Engineering Card together**

267 (tabled)

At its past meeting, the EMC had started discussing a proposal for a possible new concept and business model for bringing EUR ING and Engineering Card concepts together and to include CPD therein. It was *noted* that EUR ING applications and Engineering Cards show both continued downward trends. The Executive Board at its meeting on 10 March had *noted* EMC's first discussions and that the results of an EMC SWOT analysis would be presented to the next Board meeting on 17 June.

The proposal for a new concept is based upon the following products:

1. **FEANI INDEX:**
   - engineering programmes fulfilling the FEANI requirements: valid for five years
   - no fees (important to have an up-to-date INDEX), except for a license for EUR-ACE labels

2. **Engineering Card:**
   - engineers graduated in a programme listed in the INDEX: valid for life
   - annual fee fixed at national level
   - annual licence to FEANI (EUR 10,- per card)

3. **EUR ING professional title:**
   - engineers graduated in a programme listed in the INDEX and fulfilling the FEANI requirements for professional experience and CPD: valid for five years
   - fixed fee at national level
   - commission to FEANI (EUR 150,- per issued title)

The EMC members split up in four groups for discussing separately Strengths, Weaknesses, Opportunities and Threats of the EMC-system, which were then presented to the plenary Committee for further comments:

**1. STRENGTHS** (presented by Mr. K. DE WEVER):

- elimination of current confusion between the Engineering Card and EUR ING concepts
- proposal that the Engineering Card would be given for free for one year for graduates; this would
  - result in easier access to the system
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A/D
- improve the likelihood that engineers continue with the Card (and pay a fee)
- constitute marketing and visibility for FEANI and its members
- compatibility between the Engineering Card and the European Professional Card (EPC)
- increase of EUR ING titles in a next step
- highlight on quality assurance of the whole system
- support for the establishment of a CPD system
- include new concepts about qualifications and accreditations.

By
Mr. M. BOOTH considered that there is a confusion about positioning the Engineering Card vs. the EPC from the EU. Mr. A. CHATZIDAKIS stated that the EPC’s goal is to support the underlying principles of the EU Directives. He felt that FEANI should, at least at this stage, build on an overall consensus related to the EUR ING. The new project on Common Training Principles would provide more information about the market’s actual demand and target groups for the FEANI product(s).

2. WEAKNESSES (presented by Mrs. E. HAUGERUD):
- CPD for engineers is not mandatory in all countries – different approaches and appraisals of the Card, the EUR ING and CPD in general exist (no tradition of monitoring and implementing such a system in many countries)
- Timescale:
  - FEANI needs to be sufficiently recognized and have the capacity to implement such a system
  - the driver for such a change should be market driven rather than the intention to generate profit for FEANI
- limited number of engineers being eligible for the EUR ING title
- non-standard pathways (special cases) – question whether those should be included in the system (based on considering competences).

There was an overall general agreement that CPD becomes increasingly important. The CHAIR stated that the new system could be an opportunity to introduce optional CPD (rather than mandatory CPD). CPD would not necessarily be formal but could also be part of professional experience, new projects etc. Mr. M. BOOTH considered that there was potential to consolidate FEANI’s role related to other organizations.

3. OPPORTUNITIES (presented by Mr. D. OWENS):
- build on the EUR ING brand
- develop a professional standard
- buy-in of NMs
- streamline NMC processes and resources
- increase revenue opportunity: proposal to give the Card to EUR INGs and then market/sell an additional level with CPD
- embed in the Common Training Framework (CTF)
The CHAIR noted that the underlying proposal from this group was different to the one from the group on ‘Strengths’ which had proposed to give the Card for free in the first place and then the EUR ING.

Mr. G. HENRIST suggested to reflect further about possibilities of online CPD which could be useful for young graduates (e.g. on financial competences, leadership skills, etc.).

4. THREATS (presented by Mr. G. HENRIST):
- insufficient number of active countries in FEANI for both the Engineering Card and the EUR ING
- customer needs (added value to them)
- clear definition who are the customers and why they would want the product
- are the interests of customers for the Card and the EUR ING the same?
- challenge to create a need that customer is not aware about yet
- conflicts of interest possible between FEANI and NMIs on a national basis
- right product at the right time (the EU Commission is pushing a system of professional cards for all professions)
- risk that graduates do not continue as cardholders after the initial free year(s) of membership – financial loss

Mrs. G. SCHACHINGER stressed that universities should be motivated for using the INDEX as a quality instrument and for marketing. Mr. A. CHATZIDAKIS stated that the Card would not be useful for freelancers/the liberal profession to work abroad as they would still have to comply with the procedure of the relevant Competent Authority. He also mentioned that the new system could be interesting for engineers with a short cycle diploma in the first place.

EMC members also noted the following aspects for further reflection:
- Would engineers still be interested in the EUR ING (renewal) if they could have the Engineering Card for life?
- Would the companies (employers) be interested in the system?

Discussing further on the Business Model, it was overall agreed that some kind of renewal should apply when taking CPD into account. The following elements were noted for further reflection:
- Proposing an annual renewal fee (vs. one fee for five years) for the Card and for the EUR ING
- setting the fee at national level with FEANI getting a license fee per new title and per renewal
- giving the title as long as the EUR ING is member of the national organisation (note: FEANI is not aware about the local membership status)
- keeping the title as long as CPD is maintained
- checking whether in the UK other products exist that are linked to Chartered Engineer and EUR ING registration with a renewal every five years (Mr. M. BOOTH)
### A/D

The CHAIR considered that three membership categories would co-exist:
1. Member (national registration)
2. Member with Engineering Card
3. Member with Engineering Card plus the EUR ING title

Mrs. G. SCHACHINGER proposed to give the Engineering Card for free for two years for the graduates. Afterwards, those could get EUR ING title with two years of professional experience.

Mr. A. CHATZIDAKIS referred to the costs that would incur if the Card is given for free to graduates. He felt that there would be other more appropriate measures to do marketing for FEANI. Also, a free Card may decrease or deflate the value of the product. Engineers should rather be convinced about the added value of the Card.

It was agreed that:

8. - the WG (Messrs. D. OWENS, A. SOEIRO, Mrs. G. SCHACHINGER, Mrs. K. TURFF, in addition to the EMC CHAIR) on the basis of the above EMC input will further elaborate a proposal for a business model, to be presented to the next EMC meeting.

9. - The CHAIR will present the status of EMC reflections to the Executive Board meeting on 17 June 2016.

### 9.2 EU Project on CTPs for Engineers

The CHAIR reported that the EU tender related to Common Training Principles for Engineers was awarded to the European Council of Engineers Chambers (ECEC). In a first step, they would conduct a survey on how the education of the profession is organized in the different countries, with focus on five professional groups of engineers: civil and environmental, mechanical and industrial, electrotechnical, mining and geodetic surveyors. FEANI would collaborate with ECEC. It was noted that there are no specific activities foreseen for the EMC at this stage.

### 9.3 Recommendation on the report from the Task Force on “Status of a Professional Engineer”

268

The CHAIR reported that NMs were recently invited for contributions in a consultation on the EMC draft document on the “Status of a Professional Engineer”. Taking into consideration potential comments, the CHAIR will propose a final draft to the Executive Board meeting of 17 June. This was noted.

### 9.4 Status report INDEX and EUR-ACE database unification

The CHAIR reported that Mr. K. DE WEVER was recommended by the WG consisting of representatives from FEANI and ENAEE to work on the INDEX-EUR-ACE databases unification project. This was confirmed by the FEANI Executive Board at its meeting of 10 March. The Board had however considered
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<td>11.</td>
<td>De Weyer, Chair</td>
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11. this to be a matter of conflict of interest if Mr. K. DE WEVER would remain member of the EMC. It was agreed that Mr. DE WEVER will step down as EMC member. He will continue to be invited as EMC-guest.

9.5 **Status of the ERASMUS project on informal and non-formal learning outcomes**

It was noted that this topic will be considered at the next EMC meeting.

9.6 **Review of the NMC Handbook provisions regarding requirements for second cycle integrated degrees vs. requirements for first cycle degrees**

It was agreed that those provisions are included in the programme evaluation sheets. They should additionally be outlined in the NMC Handbook.

12. | Secretary |

9.7 **Review of the NMC Handbook provisions regarding requirements for schools to be in the INDEX**

It was agreed that any provisions from other EMC documents should also be included in the NMC Handbook.

13. | Secretary |

10. **Any other business/Any other information**

It was agreed to extend contacts with BEST and invite its President or another representative to next EMC meetings. BEST had sent an invitation to attend a meeting on the development of engineering education in DK-Copenhagen and in PL-Gliwice in July. It was agreed that the CHAIR will circulate the invitation to all EMC members.

14. | Chair, Secretary |

15. | Chair |

The next EMC meetings were agreed to take place as follows:
- 29-30 September 2016, in Porto (new date, new location)
- 1-2 December 2016, in Brussels *(post-meeting note: location Brussels is confirmed instead of Madrid)*

It was considered to be useful for EMC’s work to meet and exchange with the NMCs to better understand the countries’ specificities and their educational systems. An NMC presentation about the respective national educational system should be included each time on the meeting agenda. Also, locations such as Porto and Madrid would be easily accessible for all EMC members. It was agreed that the PT recording system of CPD will be presented at the next EMC meeting.

16. | EMC |

17. | Soeiro |

11. **Closure of the meeting**

The CHAIR closed the meeting. The CHAIR thanked Engineers Ireland for hosting the meeting and all participants for their contributions. He thanked in particular Mr. Ch. GEMPERLE for the contributions over his two term-EMC membership. It was noted that the CH NMC is in the process of nominating his successor.