

Flash info collects short information of general interest. The FEANI Secretariat General prepares it and each contribution from National Members is welcome.
This Flash info is distributed by E-mail to National Members, EUR ING's and the distribution list can be extended by request at the Secretariat General of FEANI.

▪ **FEANI events and meetings early 2006**

- 1) Executive Board meeting 24 March 2006 – in Copenhagen
- 2) European Monitoring Committee (EMC) meeting 22-23 March 2006 in Brussels

▪ **FEANI Strategic Project ENGCARD (Professional Card)**

The project "ENGCARD" (European Professional Card for Engineers) that had been introduced in December 2005 for funding in the framework of the European Commission initiative "2006, Year of Mobility" is now under evaluation by the EU Commission experts. A final decision will normally be taken by March 2006. In the meantime, studies have already started with EUROCADRES, the FEANI partner for that project.

The first planned activities consist on investigating and identifying the needs of the different stakeholders potentially interested by the availability of such European Professional Card for engineers. The goal is to design a WIN-WIN concept for a card that consolidates the needs expressed by the stakeholders in order to optimise the future successful acceptance, deployment and utilization of the card.

The main stakeholders are: the engineers, the engineers associations, the employers, the European Commission and the authorities in charge of recognition of professional qualifications in the countries where the profession is regulated. It is foreseen that a survey will soon be sent to the EUR ING's, to the FEANI National Members and also to the other stakeholders of the project, to identify their needs regarding the added value of a European Professional Card to increase mobility and facilitate recognition of qualifications.

▪ **EUR-ACE project**

A EUR-ACE Workshop will take place on Friday, 31 March 2006, at the EU Commission premises in order to present the results of the EUR-ACE project. Invitations should be sent in early February 2006.

An analogous conference will be held in Moscow at Bauman University on 1-2 March. Prof. Augusti, the EUR-ACE Co-ordinator, will also present the EUR-ACE project in a keynote lecture at the 7th WFEO World Congress on Engineering Education in Budapest (4 - 8 March 2006).

For more information: <http://www.feani.org>, section EUR-ACE (Reports and Outputs/ Accreditation standards)

▪ **'European Engineers' Forum': Engineering Careers in Europe
- Promoting Pan-European Engineer Mobility -**

FEANI Event in the framework of the 'Year of Mobility 2006' of the EU Commission

FEANI organizes this Forum on 24 April 2006 in the framework of the renowned Hanover Fair in Germany. We are specifically proud to announce that the EU Commissioner for Employment, Social Affairs, and Equal Opportunities, Mr. Vladimir Spidla, has accepted to hold the keynote speech and introduce the Commission's initiative 'Year of Mobility 2006'.

The Forum is dedicated to European- and worldwide career possibilities of European Engineers. Representatives from major international companies will contribute with their viewpoints and experiences as well as Engineers that encountered in their professional life the challenges and

opportunities of an international career. FEANI will furthermore present two initiatives on the subject of mobility and career for Engineers: the Professional Card (ENGCARD) concept, and the EUR-ACE Project on Accreditation of European Engineering Programmes (a EU SOCRATES-TEMPUS funded project).

The Forum will be held in three languages (English, German, French with simultaneous translations) and in the form of a brunch with possibility for exchange of information and networking for all participants.

Mark this important event in your calendar now!

FEANI offers to all European Engineers being Member of a FEANI Member association (and Members of organizations FEANI cooperates with) free participation to the Forum as well as a free entry ticket to the Hanover Fair on 24 and 25 April 2006.

Do you have good or bad experience with recognition you would like to communicate? If so, we would like to hear from you about your experience with international mobility. In addition, we will invite one or two Engineers to participate in the Forum and present this experience. Please contact: rita.heissner@feani.org.

More information regarding the event and registration will be posted soon on the FEANI website www.feani.org, Section 'Events'.

More information on the EU Year of Mobility:

http://europa.eu.int/comm/employment_social/workersmobility2006/index_en.htm

▪ **EU Consultation on European Qualifications Framework (EQF)**

EU Consultation on European Qualifications Framework (EQF)

In summer 2005, the European Commission's DG Education and Culture launched a consultation process related to a 'European Qualifications Framework for Lifelong Learning (EQF)'. FEANI had invited its National Members to participate in this consultation. The Secretariat General compiled a document providing a pan-European answer regarding the qualifications of professional engineers taking into account the diversities encountered in the different EU Member States. In the following, FEANI has been invited to and will participate in the 'EQF Consultation to Recommendation Conference' on 27/28 February 2006 in Budapest. More information: www.feani.org, section 'Statements' (EQF)

▪ **Accreditation project in Lebanon**

FEANI accepted the request from the Lebanese Education Authorities to participate in an accreditation project in Lebanon and to act as legal representative for a call for tender of the EU Commission's DG Education in the framework of the TEMPUS programme to finance the activity. The project is now in the process of being submitted to the EU Commission.

▪ **Engineering a Sustainable Future – How Knowledge Management can save Energy (EUR ING Folkert Herlyn - EIIIL)**

'Most companies know how to become more sustainable, but it is surprising to me how few know they know, and how even fewer actually set out to acquire the necessary knowledge for the changing markets of the future'. Eur-Ing Dipl-Ing Folkert Herlyn has been responsible for applying knowledge of best practice in the refining process to reduce the wasteful consumption of crude oil, and in his career Folkert's engineering expertise has reduced consumption of crude oil by the equivalent of that used, in a year, by a small city the size of Dusseldorf (Germany), Lille (France) or Valencia (Spain). 'There is a shortage across Europe of engineers entering the

profession, who could in their turn take up the knowledge baton from the likes of me and take it on in the next generation where energy resources will become even more scarce' said Folkert.

For more information:

http://www.eiil.net/mambo/index.php?option=com_content&task=view&id=167&Itemid=30

Folkert Herlyn is Director of 'Leading the Sustainable Company' a module of the Master of Industrial Leadership programme at the European Institute for Industrial Leadership, in Brussels (www.eiil.net). He will be illustrating some of these thoughts in a forthcoming two-day workshop 'Knowledge Management and the Sustainable Company' on 23rd and 24th February at the EIL.

For more information:

<http://www.eiil.net/mambo/images/stories/Course%20Details/coursedetailssus7.pdf>

▪ "SINEQUANET" Engineering Network to provide technical support to SME's

At the end of 2005, the SME Unit of ESA launched a new project called SINEQUANET (Space Intelligence, Engineering and Quality Network). This network, carried out in cooperation with the DG Research of the European Commission is expected to become a genuine structuring tool for SMEs, offering them support in engineering and industrial processes. The project should use engineers and other experts to support SMEs, with the purpose of helping them improve their skills, lower their entry barrier to space, and foster their competitiveness in the space and non-space markets. Once fully operational, SINEQUANET should make a valuable impact on the SME sector. The first phase of the project started on 1 November 2005 and will run for 24 months. It will establish the network's baselines, prepare the necessary tools for its operation and test its functions through case studies selected in representative fields. Although SINEQUANET should require a few years to achieve its full operational potential, SMEs will already receive – free of charge – concrete services during the present start-up phase. Some 100 engineers should receive training in areas to be identified during the course of the project and ESA experts should validate technologies selected from two European SMEs active in two of the most promising industrial fields. They should be helped in maturing these technologies and in bridging the gap to their commercial exploitation.

For more information: http://www.esa.int/techresources/ESTEC-Article-fullArticle_par-28_1134728785223.html

▪ Conference corner

The conference corner presents you a non-exhaustive list of conferences for engineers dealing with education, communication and mobility.

1. Russian Association for Engineering Education (RAEE), 2nd International Scientific Conference, 07-09 February 2006, St Petersburg, Russia

The second International Scientific-Practical Conference "Research, Development and Application of High Technologies in Industry" will be held by Institute of Atmospheric Optics SB RAS, St Petersburg State Polytechnics University, Military Intercommunication Academy, Baltic State Technical University 'Voenmech", Academy of Strategic Research, Information and High Tech, Telecommunication Institute, National Youth Congress, St Petersburg Commercial and Industrial House and other institutes, universities and organisations. The official language of the conference is Russian, synchronous translation will be provided for foreign participants.

For more information: <http://htfi.ru>

**2. InterGEO East
22-24 February 2006, Belgrade, Serbia**

The main objective of the fair is to present to the visitors and participants the world leading companies, manufacturers and products in the area of geo-informatics – including geodesy, surveying, geo-spatial information systems.

For more information: <http://www.intergeo-east.com/>

**3. European Qualifications Framework, Consultation to Recommendation
27-28 February 2006, Budapest, Hungary**

The Commission and the Hungarian Ministry of Education will co-host a conference to present an analysis of stakeholder responses to the consultation and generate discussions which will inform the Recommendation on the EQF.

A provisional programme with 5 workshops: how do we ensure the EQF levels and descriptors are relevant and acceptable, what common principles and criteria are required to link national qualifications systems and frameworks to the EQF, what common principles and criteria are required to link sectoral qualifications systems and frameworks to the EQF, how can the EQF support the functioning of the European labour market, how can the EQF best benefit individual citizens.

For more information: http://europa.eu.int/comm/education/policies/2010/consultations_en.html

**4. 7th WFEO World Congress on Engineering Education
4-8 March 2006, Budapest, Hungary**

The 7th WFEO World Congress on Engineering Education brings together industry and academic leaders, outstanding engineers from around the world. The World Congress is hosted by the Federation of Technical and Scientific Societies, the Budapest University of Technology and Economics and the Hungarian Academy of Engineering.

For more information: <http://www.unesco.org/wfeo/news.html>

**5. In Search of New Europe
4-5 May 2006, Prague, Czech Republic**

The purpose of the conference is the exchange of ideas and experiences in the areas of Entrepreneurship, Education and Public Interest in order to achieve the necessary synergy for effective and sustainable growth in the autonomy, self-confidence and competitiveness of all citizens and institutions in the space of the EU.

For more information: <http://www.neweurope.cz/?lang=en>

6. Extract from Press Information on the 11th International Trade Fair for Lighting, Light Technology and Intelligent Building Technology in Moscow

Some 23,900 were drawn to Moscow by this year's InterLight. 352 exhibitors from 18 countries were present for this fair. The country stands presenting Germany, China, and Turkey brought the biggest participation level since this trade fair was founded. An increasing number of visitors came from the Far East regions, continuing the trend that was established last year.

Next InterLight will be from 6-9 December 2006.

▪ **Sciences and Technology corner**

The Sciences and Technology corner proposes some articles and extract of research or studies that have been reported to the FEANI Secretariat General.

This part is not exhaustive and does not intend to include all the studies.

If you know scientific or technological studies of general interest that can be announced, please send the information to: luc.baude@feani.org

1. First Galileo signal transmitted by Giove-A

The GIOVE-A satellite is in good health and started transmitting the first Galileo signals from medium Earth orbit on 12 January. These were received and analysed by the Galileo receivers using the 25-metre diameter dish of the Chilbolton Observatory Facilities for Atmospheric and Radio Research (UK) and the ESA Station in Redu (Belgium). Galileo should be Europe's very own global navigation satellite system, providing a highly accurate and guaranteed positioning service under civilian control.

For more information: http://www.esa.int/esaCP/SEM036MZCIE_index_0.html

2. The Huygens landing, after a one year journey.

One year ago this week, on 14 January 2005, ESA's Huygens probe reached the upper layer of Titan's atmosphere and landed on the surface after a parachute descent 2 hours and 28 minutes later. The Huygens mission has been an outstanding engineering and scientific success, one of the most complex and scientifically rewarding space missions to date. The touchdown on the surface of Titan marked the farthest a man-made spacecraft has successfully landed away from Earth.

For more information: http://www.esa.int/esaCP/SEMVB6MZCIE_index_0.html

3. Higher and higher, a European company BESIX participate to the construction of Burj Dubai that should become the tallest tower of the world.

The Tower will combine residential and commercial space, and will include a boutique hotel, recreational facilities, serviced residences, apartments and observatory. The Burj Dubai is set to become the tallest tower in the world. Started in January 2005, workers have already started to clear the ground for the about 800 metre high, 160 floor skyscraper and it should be completed after 47 months. This is a new challenge for the building companies that have to develop new construction methods with higher quality and security criteria. The tower should have a gross area: in total about 500.000 m²; for the tower about 330.000 m²; for the podium about 170.000 m². A total of 45 lifts, some of them with superposed cabin and a running speed up to 18m/sec. The project will be executed by a joint-venture group of South-Korean company Samsung Electronics, a Belgian company Besix (35%) and a local company Arabtech. For this new world records should be broken, concrete mass about 275.500 m³, steel frame 35.200 Tons, structural steel, 5.500 tons.

For more information (in French): <http://www.techno-science.net/?onglet=news&news=2228>

(in English): <http://www.burjdubai.com/> ;

<http://www.besix.com/en/company/profile/>