



Activities

Working Week 2007

12-17 May, 2007 Hong Kong SAR

On the Annual Meeting Prof Bela Markus and WG chairs (Prof Arvo Vitikainen and Mr Gert Steinkellner) introduced the workplan accepted by the General Assembly. A "Round Table on Education in Asia and the Pacific" and the "Meeting of FIG Academic Members" supported tuning the workplan, helping the needs analysis. During the WW 6 technical sessions were organized by Commission 2. After the review 21 presentations were accepted and 17 papers presented. The main topics were: Curriculum Development, e-Learning and Knowledge Management, Building a Sustainable Future, Marketing and Sustainability in Education, The Future of Surveyors.



Scientia Est Potentia

7-9 June, 2007 Prague, Czech Republic

The FIG Symposium on Curriculum Development with the motto of Scientia Est Potentia (Knowledge is Power) was organized in Prague, in the cooperation with the Faculty of Civil Engineering at CTU and the Commission 2 – Professional Education. The Organizing Committee was chaired by Aleš Čepek, Czech Technical University (CTU). The main purpose of meeting was to initiate discussion between Working Group 2.1 - Curriculum Development members, to introduce their experiences. The papers were independently and blindly reviewed by 2 scientific committee members. All the accepted contributions (full papers) were published in the proceedings volume (ISBN 978-80-01-03718-8), on CD-ROM and on the symposium website. Twenty-one presentations were given in nine sessions during the symposium. Professor Stig Enemark (Aalborg University) in his keynote presentation encouraged the interaction between education, research and professional practice, underlying the importance of curriculum development as the key to the future. The speakers represented 11 countries, educational and governmental institutes as well as private companies from all over Europe and also from Canada, United States and Hong Kong. There was a separate session summarizing the Bologna changes in Slovakia, Czech Republic, Canada and Croatia. One session was devoted to the e-Learning methods, where the speakers presented their experiences on e-Learning

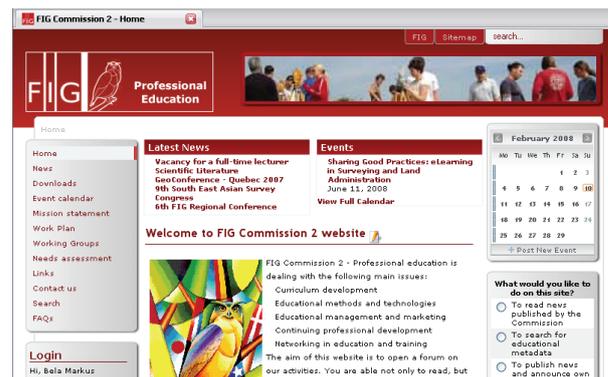
tools, materials and some examples in teaching of surveying, cartography and geoinformatics with e-learning tools on computer-supported platforms. There was a brainstorming session to define a "core knowledge base" for surveying education moderated by Ann Johnson (ESRI).



Commission 2 website

www.geo.info.hu/fig2/

In June 2007 the new website was introduced as a communication tool to strengthen knowledge sharing, community building between the delegates, academic members and other parties interested in the FIG Commission 2 activities. The registration is controlled by Commission chair and WG leaders. The acceptance of the registration gives access not only for viewing, but also for publishing of news, important events in the event calendar, articles, presentations, photos, and it gives also possibility to take part actively in the forum of needs analysis and many other topics.



Joint Project proposal

Spatial Data and Knowledge Infrastructure for Efficient Land Management (ELM)

A CEEPUS project proposal was co-ordinated by Dr. Reinfried Mansberger - University of Natural Resources and Applied Life Sciences (BOKU) Department for Landscape, Spatial and Infrastructure Sciences. The objectives of the CEEPUS-network "ELM" are: to develop a joint vision for land management in Central and South-East Europe; to establish a framework for

knowledge sharing on the topic of Spatial Data Infrastructure (SDI); to establish a framework for knowledge exchange on the topic of Land Management Processes; to promote and enable international mobility of teachers and students in the field of the network; to improve efficiency of land related processes by using ICT (Information & Communication Technologies); to harmonize the education and training in land management studies; to make lobbying for future-orientated land management; to build strong inter-personal and team skills by emphasizing collaborative coursework; to bridge the gap between academic standards and up-to-date skills relevant in today's workplace. The CEEPUS-Network "ELM" by the proposal will start in the study year 2008/09.



Next events

e-Learning: Sharing Good Practices

11-13 June 2008 Enschede, The Netherlands



The International Workshop jointly organised by Commission 2, Commission 7 and the International Institute for Geo-information Science and Earth Observation (ITC). The workshop aims to bring together professionals engaged in e-Learning and distance education in Surveying, Geo-information Sciences and Land Administration. The workshop is meant to be an active event, offering the participants the opportunity to demonstrate and/or try out good practices and to share their experiences. The technologically less advanced countries will get special attention. Also, the changing requirements priorities in the application fields will be addressed. Keynote speakers: Prof. Stig Enemark, President of FIG (Session through Video Conferencing); Nicholas Frunzi, Director of Educational Services, ESRI, USA; Prof. Paul van der Molen, Vice President of FIG, ITC, The Netherlands; Prof. Bela Markus Chair FIG Commission 2, UWH, Hungary; András Osskó, Chair FIG Commission 7, Budapest Land Office, Hungary. Technical Sessions: 1. Good practices in e-Learning and distance education, Practical examples: online courses, exercises, tools and approaches, ICT based courses for the surveying and land administration professional. 2. Engaging in e-Learning: The changing role of the academic staff, Learning approaches and content development, Integrated learning environments, Costs and benefits in e-Learning, Blended approaches. 3. Continuous Professional Development: The use of social software to support networking and lifelong learning, Student support (Virtual Club, Communication techniques, Teamwork tools). 4. International Cooperation and/in e-Learning: EduGi, EduSDR, Joint Educational Programmes, GI-NET and the role of e-Learning, Technical, political, legal, organisational and cultural problems of e-Learning. 5. Educational needs and challenges, Changing priorities in the application fields, Expansion of the scope of Land Administration, e-Governance, Presentations of good practices. In

addition to the presentations, a hands-on workshop session will be organized. The organizers strongly encourage participants to demonstrate and try out new e-Learning tools in practice. In parallel sessions participants will be invited to demonstrate and/or participate in hands-on e-Learning sessions. Computer facilities and support will be available. More details: www.itc.nl/fig_elearning2008 or Liza Groenendijk, chair WG2.2, email: groenendijk@itc.nl.

Working Week 2008: Integrating generations

14-19 June 2008 Stockholm, Sweden



The Working Week addresses many of the issues facing surveyors in the next years. These include questions related to the need of getting young people interested in surveying and geomatics, how to keep the professional qualifications up to date, need for capacity building – all issues of great interest for FIG and the organisers. The theme can also be read more closely related to the profession itself: what is the role of modern technology in GNSS (Global Navigation Satellite System), geoinformatics, laser scanning etc. This fast growing technology will change the way of our profession. All ten FIG technical commissions will attend the conference and papers are therefore presented to all the following topics: Professional Standards and Practice; Professional Education; Spatial Information Management; Hydrography; Positioning and Measurement; Engineering Surveys; Cadastre & Land Management; Spatial Planning and Development; Valuation and the Management of Real Estate; and Construction Economics and Management. As Swedish surveyors are very successful in the fields of real estate management and valuation we are happy to announce that FIG together with UN-Habitat will organise a special seminar in conjunction to the Working Week. This is also a showcase how Swedish surveyors have a strong interest in assisting surveyors and land related professions in developing countries. FIG Working Week will be held at the Stockholm City Conference Centre (Norra Latin). More: <http://www.fig.net/fig2008/>.

Summer School on Urban 3D modeling

23-29 August 2008 Szekesfehervar, Hungary



The Summer School aims to give an overview of data acquisition, data processing and modeling methods related to 3D modeling in urban environments More info: <http://www.geo.info.hu/urban3d/>. Students can take part in keynote lectures, practical hands-on exercises and fieldwork. Topics: Heritage management, Data acquisition in Heritage management, 3D data sources, 3D data acquisition methods, Digital terrestrial photogrammetry, Laser scanning, Terrestrial laser scanning, Building Information Models, 3D modeling, bird's eye view, street view, 3D spatial analysis and

visualization, 3D rendering, 3D animation. Venue: Lands and GI Knowledge Center, Faculty of Geoinformatics, University of West Hungary, Address: Budai út 43., Székesfehérvár, Hungary H-8000. Target group: The maximum number of participants is 50. Participation is open to all students and people interested in any of the following fields: geoinformatics, surveying, cartography, heritage management, municipal and regional planning, architecture, environmental sciences, disaster management, telecommunications.

2009

WG 2.3

on Educational Management and Marketing chaired by Mr. Gert Steinkellner, BEV (Vienna, Austria) will present their results in March 2009, in Vienna.

Working Week 2009

3-8 May, 2009 Eilat, Israel

Surveyors Key Role in Accelerated Development - New Horizons Across the Red Sea



News

Working Group 2.4

Real Estate Valuation and Management Education



Prof. Arvo Vitikainen (Helsinki, Finland), chair of WG 2.4 stated in the present world requirements for knowledge in real estate management are expanding fast, the educational programs have to have options where students can really specialise in real estate economics, therefore WG prepares a meeting on the necessary changes. In the spring of 2008 a comparative study on how the education of real estate economics is arranged in different countries will be made at the Department of Surveying, Helsinki University of Technology. The following countries are planned to be included in the study: the Nordic Countries (Finland, Sweden, Denmark, Norway), Germany, Austria, The Netherlands, Estonia, Poland, Hungary, France, Italy, Slovenia, Great Britain, Australia, USA. The study will be made by the students of the Candidate Seminar of Real Estate Economics as their Candidate Thesis. The study will be made as literature research and by interviewing the contact persons of FIG Commission 2 and teachers from various universities. The study will concentrate on comparing the education (real estate valuation, facilities management and land management), contents of the study programme, study entities and focuses, extent of the education (credits), number of students, teaching methods, and which different educational institutions the education is given in (which study programmes), etc. The outcome gathered from different countries will be composed into a summary report. The contents of the report will be preliminarily presented at the Commission 2 meeting at the FIG Stockholm Congress. It will be published in the future publication "The Future of Surveying Education" of Commission 2 and presented at the Sydney Congress (2010).

Developing Sustainable Societies

was the theme of the 9th SE Asian Survey Congress held at the Christchurch Convention Centre from 30th October – 2 November. The Congress had over 450 participants and proved to be perhaps the most successful and professionally stimulating conference the NZIS has ever held. It was formally opened by the Hon David Parker, Minister both for the Environment, and for Land Information New Zealand. He was followed to the podium by Professor Stig Enemark, President of FIG. Stig's opening address on Sustainable Land Management provided an excellent global picture on the interrelationships between people (human rights, engagement and dignity), politics (land policies and good governance) and places (shelter, land rights and natural resources). This address wonderfully set the scene for the Conference's keynote speaker, Rob Gell. Rob, perhaps best known to Australians as the presenter for National Nine News for 16 years from 1988 and now with the Seven Network, set the tone for the conference with a superb presentation on the sustainability issues surrounding climate change. The message was direct and simple - the status quo is unsustainable and the risks of doing nothing are monumental. In his words, "*Sustainability is a process and a partnership. The scale of the problem [of climate change] is massive; the opportunities to respond are diminishing. The future is in your hands. I ask you all this question: what will you tell your children? Go home and write a letter to your children or grandchildren to tell them what you did for sustainability*". As the conference unfolded it drew upon a remarkably diverse range of high-profile, plenary session speakers, each of which provided a fresh insight into sustainability issues. For many of the speakers it was the first time they had addressed such a large and diverse group of surveyors. For many of the conference participants, it was the first time they had been exposed to some of the thinking underlying the global sustainability agenda. The importance of the issue was well captured by Morgan Williams, New Zealand's past Commissioner for the Environment, whose central message was, "*Education and learning for sustainability has to become an 'emersion' process across our societies. It's the 'language' of the 21st Century – we must learn to 'speak' and 'live' it FAST.*" In total, not only was the conference provocative, challenging and thought provoking, but it made what the conference organizing committee hopes was a lasting impact upon the participants. As a final act, the following far reaching Conference resolution was passed: "*Surveyors, as members of a profession that has a leading influence on the land and built environments of today's and tomorrow's communities, commit themselves to: 1. Developing and implementing strategies to deliver environmentally sustainable outcomes. 2. Embracing best practice to achieve sustainability. 3. Supporting and promoting education for best practice in sustainable development. 4. Facilitating and promoting collaboration between clients, councils, consultants and communities so as to achieve mutually beneficial outcomes. 5. Supporting the collection and responsible use of scientific and technical information that will lead to informed decision making.*"



Reported by John Hannah,
Past-President, NZIS

Young Surveyors Working Group 1.2 Connects Generations

Since the meeting in Hong Kong a newly established working group has been building structure. They had a meeting in Cairo, Egypt to work through the work plan. This work plan was accepted by the FIG council at the regional conference in Costa Rica. For the upcoming FIG Working Week in Stockholm WG1.2 is planning to be a big part. During the Working Week they are planning to set up a booth at the coffee area to be accessible at all times. This will be a contact point where WG1.2 can spread information about the group. There will also be social activities during the entire week. Speed mentoring will be one of our activities as well as a session about mentoring and the importance of networking. There will also be a competition for the best technical paper submitted by a young surveyor.

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Promoting good practices

Dear Reader,
please help fulfilling the mission of Commission 2:

- ✚ Endorsing universities and other educational organisations to explore the needs of society and to manage in a pro-active way the necessary changes in the "knowledge age".
- ✚ Supporting academic institutions and industry with new methods of knowledge management, helping surveyors continuously to update their academic and professional profiles.
- ✚ Advancing educational business and curriculum tuning processes.
- ✚ Promoting content development experiences, facilitating international researches in surveying education and training and to initiate joint projects on this field (curriculum development, educational material development, joint courses, quality assurance etc.).
- ✚ Strengthening knowledge transfer between FIG Commissions, inspiring activities on knowledge networks.
- ✚ Improving dissemination of information on educational theory and practice to the members across the world.
- ✚ Reinforcing contacts to Educational Commissions of International Organisations on the related professions, including the International Cartographic Association (ICA), the International Society for Photogrammetry and Remote Sensing (ISPRS), the Association of Geographic Information Laboratories in Europe (AGILE) and the International Association of Geodesy (IAG).

please support Commission 2 to reach its general aims:

- ✚ To perform needs analysis of Commission representatives and FIG Academic members
- ✚ To develop further the FIG Surveying Education Database and facilities using educational and internet standards
- ✚ To organize annual workshops on actual topics related to education and training

- ✚ To investigate the use of information and communication technology to support networked professional education
- ✚ To organise, jointly with other Commissions, Regional Summer Schools for solving problems, filling educational gaps and for building communities within young professionals.

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