

## FIG Commission 2 – Professional Education

### Work Plan 2011–2014

#### 1. Title

Professional Education.

#### 2. Terms of Reference

- Curriculum development
- Core surveying knowledge
- Learning and teaching methods and technologies
- Educational management and marketing
- Continuing professional development
- Networking in education and training

#### 3. Mission Statement

The mission of Commission 2 is to promote good practices in professional surveying education by:

- exploring the needs of society and endorsing universities and other educational organizations to develop mechanisms and processes that will help to meet those needs
- supporting and promoting advances in survey education through identification of core surveying knowledge
- promoting cooperative ventures in surveying education and research
- supporting the building of capacity for surveying education in the developing world
- reinforcing contacts to educational commissions of related professions
- improving dissemination of information on all of the above

#### 4. General

Commission 2 will continue the work on e-learning, work with identifying core survey knowledge, work with building capacity in surveying education, promote opportunities for young surveyors, promote the FIG academic membership, work with educational management and marketing, and identify educational standards and accreditation procedures.

In general the 2011-2014 work plan aims to:

- Share professional surveying education standards and accreditation
- Share core surveying knowledge
- Share good learning and teaching practices in surveying education
- Share good educational management and marketing processes
- Continue development on the FIG Surveying Education Database
- Promote FIG academic membership of universities and other educational organisations

- Promote opportunities for students and young surveyors within Commission 2 and in FIG in close co-operation with the Young Surveyors Network
- Promote cooperative education and research opportunities

The work of Commission 2 will be done through four working groups. Each of the working groups represents an area of focus in professional surveying education. During the four-year term of office workshops are planned for each of the working groups. The workshops are proposed to be held in conjunction with FIG Working Weeks, Regional Conferences and special workshops held annually with locations and dates given below. Each planned conference will focus on one or more themes from a working group.

## 5. Working groups

### Working Group 2.1 - Curriculum and Core Survey Knowledge

#### Policy issues:

- Identify the necessary core surveying knowledge and technology for the education in our profession
- Identify and compare curriculum across universities and countries
- Identify the necessary changes in curricula due to the changing technology in our profession

#### Chair

- Bela Markus (Hungary), e-mail: [mb@geo.info.hu](mailto:mb@geo.info.hu)

#### Vice-chair:

- Irina Fartukova (Russia), e-mail: [fut-office@miigaik.ru](mailto:fut-office@miigaik.ru)

#### Specific project(s)

- Develop a guide for identifying and describing core surveying knowledge

#### Workshop(s)

- Participation in FIG Working Weeks and other major Commission 2 organised or co-sponsored events with dedicated technical sessions and/or workshops as appropriate.
- SAGES/FIG Workshop, University of Mayaguez, Mayaguez, Puerto Rico, July 19–22, 2011.

#### Publication(s)

- Summary guide for core surveying knowledge

#### Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

#### Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs, individual surveying academics and individual surveyors.

## **Working Group 2.2 – Learning and Teaching Methodology**

### Policy issues

- Identify the change in the teaching and learning methodology due to the changing technologies in education and in the professional practice.
- Make recommendations for future learning methods under specific circumstances (distant learning, off-the-job-training, life-long learning).

### Chair

- Lisa Groenendijk (Netherlands), e-mail: [groenendijk@itc.nl](mailto:groenendijk@itc.nl)

### Vice-chair:

- Reinfried Mansberger (Austria), e-mail: [reinfried.mansberger@boku.ac.at](mailto:reinfried.mansberger@boku.ac.at)

### Specific project(s)

- Identify and share best practices in e-learning and other new educational methodologies.

### Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Moscow State University, Moscow, Russia, 12-18 September 2012

### Publication(s)

- Changing technologies and strategies in surveying teaching methodology

### Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

### Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs and individual surveying academics.

## **Working Group 2.3 – Marketing and Management of Professional Survey Education**

### Policy issues

- Some parts of the world exhibit a declining interest by potential professionals in surveying education. Other parts of the world have an interest but few opportunities to pursue surveying education. Commercial aspects of education must be recognized but opportunities for cooperation between educational organizations and a logical, universal approach to promote professional survey education need be developed and shared.

### Chair

- Chris McAlister (Australia), e-mail: [madamefishfighter@rocketmail.com](mailto:madamefishfighter@rocketmail.com)

### Vice-chair:

- Marina Vaskovich (Sweden), e-mail: [marina.vaskovich@infra.kth.se](mailto:marina.vaskovich@infra.kth.se)

#### Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Workshop in Western Europe (Netherlands, Hungary?)

#### Publication(s)

- The Status of Surveying Education

#### Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

#### Beneficiaries

- FIG member associations, FIG academic members, surveying businesses, universities offering surveying programs and individual surveying academics.

### **Working Group 2.4 – Accreditation and Quality Assurance**

#### Policy issues

- Academic accreditation of surveying education programs
- Mutual recognition of surveying education degrees

#### Chair

- Tim Goodhead (United Kingdom), e-mail: [tim.goodhead@port.ac.uk](mailto:tim.goodhead@port.ac.uk)

#### Vice-chair:

- Gary Jeffress (United States), e-mail: [gary.jeffress@tamucc.edu](mailto:gary.jeffress@tamucc.edu)

#### Specific project(s)

- Identifying institutions, procedures and methods used to accredit surveying educational programs

#### Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Workshop at the University of Portsmouth, Portsmouth, England, August/September 2014.

#### Publication(s)

- Guide to Academic accreditation criteria for Surveying Education

#### Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

#### Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs and individual surveying academics.

## **6. Commission Officers**

### **Commission Chair**

Dr. Steven Frank  
Surveying Engineering Program  
New Mexico State University  
PO Box 30001, MSC 3566  
Las Cruces, New Mexico  
USA  
Tel. + 1 (575) 646-8171  
Fax + 1 (575) 646-6107  
Email: [sfrank@nmsu.edu](mailto:sfrank@nmsu.edu)

### **Vice-chair of Administration**

Dr. Gary Jeffress  
Geographic Information Science Program  
Department of Computing and Mathematical Sciences  
College of Science and Technology  
Texas A&M University-Corpus Christi  
Corpus Christi, Texas  
USA  
Tel. + 1 (361) 825-2720  
Fax + 1 (361) 825-5848  
Email: [gary.jeffress@tamucc.edu](mailto:gary.jeffress@tamucc.edu)

### **Working Group 2.1 - Curriculum and Core Survey Knowledge**

Chair: Bela Markus  
Land and GeoInformation Knowledge Center  
Faculty of Geoinformatics  
University of West Hungary  
Pirosalma u. 1-3  
P.O. Box 52  
H-8000 Szekesfehervar  
HUNGARY  
Tel. + 36-22-516-552  
Fax + 36-22-516-521  
Email: [mb@geo.info.hu](mailto:mb@geo.info.hu)

Vice-chair: Irina Fartukova  
Vice Dean, Economics & Land Management Faculty  
Moscow State University of Geodesy and Cartography  
Moscow  
RUSSIAN FEDERATION  
Tel. / fax: + 7 499 2625365  
E-mail : [fut-office@miigaik.ru](mailto:fut-office@miigaik.ru)

### **Working Group 2.2 – Learning and Teaching Methodology**

Chair: Liza Groenendijk

Department of Urban and Regional Planning and Geo-information Management  
Geo-Information Science and Earth Observation (ITC) of the University of Twente  
Enschede

THE NETHERLANDS

Tel. +31 53 4874528

Fax: + 31 53 4874575

E-mail: [groenendijk@itc.nl](mailto:groenendijk@itc.nl)

Vice-chair: Reinfried Mansberger

Head of Institute

Surveying and Land Administration

University of Natural Resources and Life Sciences, Vienna (BOKU)

AUSTRIA

Tel. + 43 1 47654/5115

Email: [reinfried.mansberger@boku.ac.at](mailto:reinfried.mansberger@boku.ac.at)

### **Working Group 2.3 – Marketing and Management of Professional Survey Education**

Chair: Chris McAlister

21 Agnes Street

Sunnybank, QLD 4109

AUSTRALIA

Tel. + 61 7 3342 3275

Fax + 61 7 3217 2566

Email: [madamefishfighter@rocketmail.com](mailto:madamefishfighter@rocketmail.com)

Vice-chair: Marina Vaskovich

Real Estate Planning and Land Law

Brinellvägen 1

Royal Institute of Technology (KTH)

100 44 Stockholm

SWEDEN

Tel. + 46 8 7908616

Fax + 46 8 7907367

Email: [marina.vaskovich@infra.kth.se](mailto:marina.vaskovich@infra.kth.se)

### **Working Group 2.4 – Accreditation and Quality Assurance**

Chair: Tim Goodhead

University of Portsmouth

ED&M, Portland Building

Portsmouth

ENGLAND

Tel. + 44 2392842939

Email: [tim.goodhead@port.ac.uk](mailto:tim.goodhead@port.ac.uk)

Vice-chair: Dr. Gary Jeffress  
Geographic Information Science Program  
Department of Computing and Mathematical Sciences  
College of Science and Technology  
Texas A&M University-Corpus Christi  
USA  
Tel. + 1 (361) 825-2720  
Fax + 1 (361) 825-5848  
E-mail: [gary.jeffress@tamucc.edu](mailto:gary.jeffress@tamucc.edu)

Steven Frank  
Chair, FIG Commission 2  
[www.fig.net/commission2](http://www.fig.net/commission2)

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