

Commission on Education and Training Report

CET Chair 2003-2007 – Professor Laszlo Zentai

This year saw the completion of the four year term of Professor Laszlo Zentai as Chair of the Commission on Education and Training. Laszlo has made an excellent contribution in leading the members of the commission during his time as chair. Workshops were held each year with a major joint workshop being organized before the A Coruna conference with around 70 delegates in attendance. Laszlo oversaw the development of the CET website which now contains many items of interest to those involved in education and training. Two key initiatives, which progressed significantly during this time, were the world listing of undergraduate teaching courses and the Internet cartography teaching courses.

CET website

The following items can be found at the Commission on Education and Training website:

- Terms of Reference
- Calendar of events
- Commission members
- Mailing list
- Undergraduate cartography courses
- Internet Cartography Teaching courses
- History of the Commission
- Seminars and workshops
- Publications
- Newsletters
- Proceedings
- Basic Cartography
- Reports
- CET photos
- Sister societies

Education and Training Papers

The following papers on education and training were presented at the 23rd International Cartographic Conference in Moscow, August 2007.

1. A.M. Berlyant *Cartography as a Geoscientific Field of Knowledge* (Russia)
2. D.D. Fraser *Teaching Cartographic Uncertainty* (Australia)
3. Ph. De Maeyer, T. Ongena, L. Vansteenvoort *Teaching Cartography Using Diagrams: Concept Maps* (Belgium)
4. S. Li, Y. Zheng, H. Chen, X. Dai *Study on the training of International Nautical Cartographers* (China)
5. J.A.A. Vazquez, R. Rodriguez-Gonzalez *The Geography Information System in the University and Post-University Fields in Spain. A Didactic for Teaching It* (Spain)
6. B.R. Acharya, K. Sharma *Voice for Geomatics Marketing* (Nepal)
7. G. Li, S. Li, G. Cui, R. Peng, Y. Zheng, Z. Tian, J. Zhao *Research on the Professional Cultivating of GIS* (China)
8. C.A. Blok *Sharing E-Courses in GI Science with European Partners: Experiences with Geodata Visualization Course* (Netherlands)
9. C. Lienert, L. Hurni *Dissemination of Cartographic Concepts and tools in Natural Hazard and Risk Management by Novel E-Learning Methods* (Switzerland)
10. O. Schnabel, R. Stopper, L. Hurni *New Modular Approach for Knowledge-Transfer in Multimedia Cartography: The E-learning Project Cartouche* (Switzerland)

11. Guszlev, L. Zentai *Collaborative Curriculum Development in Webmapping* (Hungary)
12. O. Cerba, M. Baranova *Online Tutorial Materials & DocBook* (Czech Republic)
13. D. DiBiase *Introducing the First Edition of the GIS&T Body of Knowledge* (USA)
14. G. Gartner, M.P. Peterson *Experiences from Hands-On Webmapping Workshops of the ICA Commission on Maps and the Internet* (Austria, USA)
15. M. Murad-al-Shaikh *Challenges in Cartographic Training* (USA)
16. P. Carballo Cruz, M.J. Iniesto Alba *The Digital Atlas of Galician in Surveying Engineering Education* (Spain)
17. Ph. De Maeyer, J. Verbeken, M. Brondeel, L. Vansteenvoort, T. Ongena *Online GIS and Geomatics Encyclopedia in Support of Cartographic Education* (Belgium)
18. J.P. Nghonda, S. Zacharie *La Problematique De La Cartographie Comme Discipline Academique Et Support Didactique Au Cameroun* (Cameroon)
19. A.P. Karpik, D.V. Lisitsky, E.V. Komissarova, E.S. Utrobina, V.S. Pisarev *New Methods in Domestic Cartographic and Geodetic Training* (Russia)
20. L. Zentai *Application of Web 2.0 in cartographic education: Is It Time for Cartography 2.0?* (Hungary)
21. J. Nikander, K. Virrantaus *Learning environment on spatial data algorithms* (Finland)
22. N.J. Bakker *EduGIS, WebGIS for Secondary Schools* (Netherlands)
23. J.-A. Schwarz, H. Asche *Web Based Training Units in GI Science: Applying the Potential of New Media to Class and Self Teaching of Geoinformation Concepts and Applications* (Germany)

Commission on Education and Training Meeting at the 23rd International Cartographic Conference

A CET meeting was held at the ICA conference on Tuesday the 7th August

The following delegates attended this meeting:

Laszlo Zentai	Eotvos University	Hungary
David Fraser	RMIT University,	Australia
Vladimir Tikunov	Moscow State University,	Russia
David D. Biase	Penn State University,	USA
Makram Murad-al-shaikh	ESRI,	USA
Diah K. Kresnawati	Bakosvrtanal,	Indonesia
Lill Yaolin	Wuhan University,	P.R. China
Irina Rotanova	Altai State University,	Russia
Rufino Peizez	Technical University,	Madrid
Ahmet Ozgur Dogru	Istanbul Technical University,	Turkey
Lienbeth Vansteencoot	Ghent University,	Ghent
Oztug Bildirici	Selcuk University,	Turkey
Necla Uwgtekin	Istanbul University of Technology,	Turkey

At the CET meeting the following Terms of Reference were presented and discussed.

Terms of reference - 2007-2011

1. To work for the general aims conceived in the ICA Statutes.
2. To develop the existing ICA-sponsored Internet cartography teaching programme (modules), with regional workshops for training the teachers.
3. To produce an ICA-sponsored Internet programme for continuing professional development, with regional workshops for training the teachers.
4. To support cartography and cartographic education in developing nations by holding seminars in these nations.
5. To promote integration by establishing linkage with the committees on education of sister surveying and mapping disciplines, by maintaining the list of institutions providing cartography

- course programmes, and interact as much as possible with other ICA commissions and working groups (organize joint meetings).
6. To produce appropriate publications for dissemination of results of the above efforts and publish it in proceedings or on the CET website according to the IOF publication policy.
 7. To promote joint project cooperation between participating nations represented on the commission.
 8. To contribute to international forums where applicable.
 9. To develop mapping awareness competitions.
 10. To investigate the role of emerging technologies for use in education and training.

Commission Involvement for 2007 - 2011

The new chair of the Commission of Education and Training, David Fraser is seeking input from all those involved in education and training. If you feel that you can contribute to the activities of the commission please contact him as shown below

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