**Commission on Education and Training: next meeting, Brazil, August 2015**

The ICA Commissions on **Maps & the Internet** and **Education & Training** will hold a joint commission meeting in Brazil in 2015, before the main International Cartographic Conference. This meeting will present an opportunity for cartographers from Brazil, and those from around the world to discuss and present developments at the interface between contemporary internet technologies and current educational practice. It will be held at the Federal University of Parana (a progressive, hi-tech, institution with an excellent reputation for cartographic education), in the attractive southern Brazilian city of Curitiba, from 20th to 21st of August 2015. Commission members, professors Claudia Robbi Sluter and Maria Brandalise will host this meeting in their home institution. The meeting will overlap another joint ICA Commission meeting (**Use & User Issues**, and **Cognitive Visualization**) in the same venue, allowing for attendance at both. Onward travel to the ICC in Rio de Janeiro (23rd to 28th August) will be easy. The meeting will be free to attend, and we encourage all cartographers who have an interest in developments in cartographic/geospatial science education, and in Internet Mapping, to contribute.

Presentations are welcome on the following topics and on any other areas of common interest:

Teaching about the Internet in Cartographic Education:

* Developing and using Animated Maps on Internet Platforms
* Possibilities in Three-Dimensional Mapping using the Internet
* Using the Internet to handle map data – examples such as Sensor Feeds; Data Discovery Methods; SDIs and the Internet; Spatial Data Compilation and Map Integration using the Internet etc
* Addressing the Internet Mapping flowline, from Source Gathering to Distribution
* Spatially enriching Location Based Services

Using the Internet for Cartographic Education

* Cartographic MOOCs: their Role in Education in Cartography
* Evolving Resources in Cartography Education: Textbooks to YouTube, and Beyond
* Integration of Internet-based Social Media into Cartographic Education
* Internet Globes and Geobrowsers for Education
* Using Internet-based Gaming to promote Web Mapping in Educational Curricula

Educational material: content and delivery

* Developing Educational Material: Cartographic Techniques and Design
* Educational Balance:  Art and Science in the Cartographic Classroom
* Development of successful Higher Education Programmes in Cartography – experiences from China, Brazil, Spain, Turkey, other nations, and joint programmes
* Matching Technological Solutions in Internet Cartography with Learning Outcomes for University Students

Educational overview

* How has Cartographic Theory changed in the context of Internet Mapping?
* Accreditation of web-based Cartographic Education?

You are encouraged to consider presentations on topics which you may have submitted for the full ICC, also: we recognise that when reporting on research projects there is often enough material for two different, although related, presentations, and we certainly encourage submissions also to the main conference, before the 15th November deadline. The deadline for submissions to this Commissions’ meeting is 15th December. This meeting will also welcome poster presentations on related topics. Please feel free to use this informal method of communication of ideas and research investigations.

The ICA has negotiated the production of a Springer volume in the series Lecture Notes on Geoinformation and Cartography to cover the presentations from this meeting. Please send your initial abstract of your presentation (400 words) to the joint organiser of the meeting, [rcammack@unomaha.edu](mailto:rcammack@unomaha.edu) who will jointly edit the printed volume. You should also send a copy to me, [david.fairbairn@newcastle.ac.uk](mailto:david.fairbairn@newcastle.ac.uk) so that we can together develop a good programme for the meeting.

Further details about the meeting will be circulated when available. We look forward to welcoming you to Curitiba and to an inspiring meeting.