



The commission was established with three interrelated aims:

- 1) To promote the awareness of cognitive issues in cartography, developing human-centered cartographic theory and practice based on sound empirical findings on the use of cartographic displays for spatio-temporal inference and decision-making;
- 2) To define short and medium term research goals that address key issues associated with building a sound theoretical base to support the construction and use of cognitively adequate and perceptually salient visual displays of geographic information;
- 3) To encourage interdisciplinary and international collaboration with cognate disciplines and relevant stakeholders, including other ICA commissions and working groups.

Since 2011, we have held regular meetings and activities in **New York City** (2012); **Columbus, Ohio** (2012); **Hamburg, Germany** (2013); **Los Angeles, California** (2013); **Dresden, Germany** (2013); **Olomouc, Czech Republic** (2014); **Tampa, Florida** (2014); **Chicago, Illinois** (2015) and **Curitiba, Brazil** (2015).

Our approach has been to organize a mix of different types of events, including specialist workshops on particular topics, special sessions of papers at larger meetings, and training workshops that help build capacity within the cartographic research community to do high-quality empirical user studies.

These activities have led to a range of outputs, including special issues of scientific journals, editorials in professional magazines, and open access publication of tutorial materials developed for postgraduate degree students, which are made available on the Commission's website.



Jochen Schiewe,
Local host at
GeoViz 2013
Photo: Geovis Hamburg 2013
organizers, © 2013



Eye tracking workshop, Dresden, Germany
Photo: Kristien Ooms, © 2013



Workshop at AutoCarto/GIScience 2012 in
Columbus, Ohio, Photo: Kristien Ooms, © 2012



ICC participants from
several Commissions
CartoCon 2014,
Olomouc, Czech Rep.
Photo: Viktor Cap, © 2014

Publications produced in the current term:

Robinson, A.C., Roth, R. (2014). Special Issue with selected papers from the Cognition, Behavior, and Representation Sessions at the 2014 Association of American Geographers' Annual Meeting in Tampa, Florida, Apr. 21-25, 2014, **Cartographic Perspectives**, No. 77, 2014. <http://bit.ly/1Mf4Cem>

Davies, C., Fabrikant, S. I., Hegarty, M. (2015). Towards Empirically Verified Cartographic Displays. In: Szalma, J., Scerbo, M., Hancock, P., Parasuraman, R. and Hoffman, R. (Eds). **Cambridge Handbook of Applied Perception Research**, Cambridge University Press, Cambridge, U.K. <http://bit.ly/1VjKH1N>

Andrienko, G., Fabrikant S. I., Dykes, J., Griffin, A., Schiewe, J. (eds.) (2014). Special Issue on selected papers from Geoviz Hamburg 2013, **International Journal of Geographical Information Science**, vol. 28, no. 10. <http://bit.ly/1Oglcbb>

van Elzakker, C. P. J. M., Griffin, A. L. (2013). Focus on Geoinformation Users: Cognitive and Use/User Issues in Contemporary Cartography. Invited feature article. **GIM International**, Vol. 27, No. 8. <http://bit.ly/114HfFd>

Griffin, A., Fabrikant S. I., Kent, A. (2012). Special Issue on Spatial Cognition, Behaviour and Representation. **Cartographic Journal**, Vol. 49, No. 4. <http://bit.ly/1gJvHuh>