



Brussels, 1 nov 2011



In conjunction with ER 2011 conference

A bit of history...

- The SeCoGIS international workshop is the fifth edition of an event already collocated with ER in 2007, 2008, 2009 and 2010
- The SeCoGIS workshop results from the fusion of two early series of workshops:
 - ▣ Conceptual Modeling for Geographic Information Systems (CoMoGIS) organized as an ER workshop in 2004, 2005, and 2006.
 - ▣ Semantic-based Geographical Information Systems (SeBGIS) organized as an OTM workshop in 2005 and 2006.

Workshop's objectives

- The SeCoGIS workshop brings together researchers, developers, users, and practitioners carrying out research and development in geographic information systems.
- The aim is to stimulate discussions on the integration of conceptual modeling and semantics into current geographic information systems, and how this will benefit the end users

This year edition

SeCoGIS Steering Committee

- Michela Bertolotto, University College Dublin, Ireland. michela.bertolotto@ucd.ie
- Roland Billen, Université de Liège, Belgium. rbillen@ulg.ac.be
- Jean Brodeur, Natural Resources Canada, Canada. brodeur@rncan.gc.ca
- Christophe Claramunt , Naval Academy Research Institute, France . claramunt@ecole-navale.fr
- Christelle Vangenot, Ecole Polytechnique Fédérale de Lausanne, Switzerland. christelle.vangenot@epfl.ch
- Esteban Zimányi, Université Libre de Bruxelles, Belgium. ezimanyi@ulb.ac.be

Workshop organization

Program Chairs: Esteban Zimányi and Roland Billen

And Pierre Hallot, Université de Liège (co-editor).

Submissions

- This edition of the workshop attracted papers from 15 different countries distributed all over the world: Brazil, Argentina, Chile, USA, Canada, France, Italy, Spain, Germany, Belgium, The Netherlands, Austria, Macedonia – FYROM, Morocco and New-Zealand.
- We received 19 papers from which the Program Committee selected 6 papers, making an acceptance rate of 32%.
- The accepted papers Cover a wide range of issues; consistency and integration, refined spatial relationships and conceptual model transformation rules.

Session 1 - Topology

Tuesday 11:00-12:30

Chair: Roland Billen

- **“Cognitive Adequacy of Topological Consistency Measures”**, Nieves R. Brisaboa, Miguel R. Luaces and Andrea Rodriguez
- **“Referring Expressions in Location Based Services: The case of the 'Opposite' Relation”**, Phil Bartie, Femke Reitsma, Eliseo Clementini and Simon Kingham
- **“The Neighborhood Conguration Model. a New Framework To Distinguish Topological Relationships between Complex Volumes »**, Tao Chen and Markus Schneider ([Video Conference](#))

Keynote

Tuesday 14:00-15:30

Chair: Max Egenhofer (University of Maine, USA)

- **« Semantic modelling and vario-scale geo-information », Peter van Oosterom (Delft University, The Netherlands)**

Session 2 – Topology and semantics

Tuesday 16:00-17:30

Chair: Eliseo Clementini (University of L'Aquila, Italy)

- **“Towards Modeling Dynamic Behavior with Integrated Qualitative Spatial Relations”**, Stefan Mitsch, Werner Retschitzegger and Wieland Schwinger
- **“Transforming conceptual spatiotemporal model into Object model with semantic keeping”**, Chamseddine Zaki, Myriam Servieres and Guillaume Moreau
- **“Reasoning with Complements”**, Max Egenhofer



*We hope that this year workshop will be
valuable for you*