Sixth International Workshop on Semantic and Conceptual Issues in GIS (SeCoGIS 2012)

Firenze, 16 October 2012

in conjunction with ER 2012

Eliseo Clementini, Esteban Zimanyi
Program Co-Chairs SeCoGIS 2012
SeCoGIS History

1° SeCoGIS
New Zealand 2007

2° SeCoGIS
Barcelona 2008

3° SeCoGIS
Brazil 2009

4° SeCoGIS
Vancouver 2010

5° SeCoGIS
Bruxelles 2011

6° SeCoGIS
Firenze 2012

SeBGIS 2005

SeBGIS 2006

CoMoGIS 2004

CoMoGIS 2005

CoMoGIS 2006
The aim of SeCoGIS 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.
Submissions

- 25 submissions
- the Program Committee selected 10 high quality papers
- acceptance rate of 40%.
Program

Session 1: New frontiers of spatio-temporal dimensions (10:30-12:00)
Chair: Eliseo Clementini
- Invited speaker. Krzysztof Janowicz. Key Ingredients For Your Next Semantics Elevator Talk
- Christophe Claramunt. Towards a spatio-temporal form of entropy

Session 2: Semantic Issues (12:00-13:30)
Chair: Esteban Zimanyi
- Andrea Ballatore, David Wilson and Michela Bertolotto. The Similarity Jury: Combining expert judgements on geographic concepts
- Mohamed Bakillah, Mir Abolfazl Mostafavi and Steve.H.L Liang. Enriching SQWRL Queries in Support of Geospatial Data Retrieval from Multiple and Complementary Sources
- Claudio Campelo, Brandon Bennett and Vania Dimitrova. From Polygons and Timestamps to Dynamic Geographic Features: Grounding a Spatio-temporal Geo-ontology

Lunch (13:30-15:00)
Session 3: Conceptual Issues  (15:00-16:30)
Chair: Christophe Claramunt

Virupaksha Kanjilal and Markus Schneider. User View of Spatial Networks in Spatial Database Systems

Joel Grira, Yvan Bedard and Tarek Sboui. A Collaborative User-Centered Approach To Fine-Tune Geospatial Database Design

João Longo, Luís Camargo, Claudia Medeiros and André Santanchè. Using the DBV model to maintain versions of multi-scale geospatial data

Coffee Break (16:30-17:00)

Session 4: Spatio-Temporal Issues  (17:00-18:30)
Chair: Yvan Bédard

Kostas Patroumpas. Multi-scale Windowing over Trajectory Streams

Christelle Pierkot. Geographic standards based metamodel to formalize spatio-temporal knowledge in remote sensing applications

Jean-Marie Le Yaouanc and Jean-Philippe Poli. A Fuzzy Spatio-Temporal-based Approach for Activity Recognition
Invited speaker

• **Krzysztof Janowicz (University of California)**

  • Bio Sketch:
    • Assistant Professor for Geographic Information Science at the Geography Department of the University of California, Santa Barbara, USA
    • Before, Assistant Professor at the GeoVISTA Center, Department of Geography at the Pennsylvania State University, USA
    • Before, postdoctoral researcher at the Institute for Geoinformatics (ifgi), University of Münster, Germany

  • Main research interests:
    • Semantic web
    • Location-based services
    • Geo-spatial ontologies

  • Talk: «Key Ingredients For Your Next Semantics Elevator Talk”
Enjoy the workshop!