



PROGRAM

MONDAY 28 NOVEMBER 2005 (FIRST FLOOR HALL, IN FRONT OF THE MULTIPLE USE ROOM)

18:00-20:00 Registration, Ice Break, and Exhibitions' Opening

TUESDAY 29 NOVEMBER 2005 (MULTIPLE USE ROOM)

7:00-9:00 Registration

9:00-9:30 Opening Ceremony

9:30-10:30 Keynote “Interoperability among Geospatial Ontologies” by Jerry Hobbs, ISI, USA

10:30-11:00 Coffee Break

11:00-12:45 Session 1 (Theories for Geospatial Semantic Information: Chair – M. Egenhofer)

11:00-11:30 *Comparing Representations of Geographic Knowledge Expressed as Conceptual Graphs*
Athanasios Karalopoulos, Margarita Kokla, and Marinos Kavouras (Greece)

11:30-12:00 *Ontology Ontegeny: Understanding how an Ontology is Created and Developed*
Hayley Mizen, Catherine Dolbear, and Glen Hart (United Kingdom)

12:00-12:30 *Representing the Meaning of Spatial Behavior by Spatially Grounded Intentional Systems*
Christoph Schlieder (Germany)

12:30-12:45 *An Interstage Change Model for Sandbox Geography*
Florian A. Twaroch (Austria)

12:45-15:00 Lunch

15:00-17:00 Session 4 (Ontology-based Spatial Information Retrieval: Chair – I. Cruz)

15:00-15:15 *Purpose-Driven Navigation*
Neeharika Adabala and Kentaro Toyama (India)

15:15-15:45 *Extending Semantic Similarity Measurement with Thematic Roles*
Krzysztof Janowicz (Germany)

15:45-16:00 Coffee Break

16:00-16:30 *Exploiting Geospatial Markers to Explore and Resocialize Localized Documents*
Christophe Marquesuzaa, Patrick Etcheverry, and Julien Lesbegueries (France)

16:30-17:00 *Ontology Matching for Spatial Data Retrieval from Internet Portals*
Hartwig H. Hochmair (United States)

19:00 Banquet (Restaurant [“La CASA de CANTERA”](#))



PROGRAM

WEDNESDAY 30 NOVEMBER 2005 (MULTIPLE USE ROOM)

9:00-11:00	Session 2 (Formal Representations for Geospatial Data: Chair – S. Levashkin)
9:00-9:15	<i>Ontology-Driven Description of Spatial Data for Their Semantic Processing</i> Miguel Torres, Rolando Quintero, Marco Moreno, and Frederico Fonseca (Mexico and United States)
9:15-9:45	<i>Processes and Events in Dynamic Geo-Networks</i> Antony Galton and Michael Worboys (United Kingdom and United States)
9:45-10:00	Coffee Break
10:00-10:30	<i>A Qualitative Trajectory Calculus and the Composition of its Relations</i> Nico Van de Weghe, Bart Kuijpers, Peter Bogaert, and Philippe De Maeyer (Belgium)
10:30-11:00	<i>Modeling Noteworthy Events in a Geospatial Domain</i> Stephen Cole and Kathleen Hornsby (United States)
11:00-12:30	Session 3 (Similarity Comparison of Spatial Datasets: Chair – A. Rodriguez)
11:00-11:30	<i>Measuring Semantic Similarity between Geospatial Conceptual Regions</i> Angela Schwering and Martin Raubal (Germany)
11:30-12:00	<i>Using Semantic Similarity Metrics to Uncover Category and Land Cover Change</i> Ola Ahlqvist (United States)
12:00-12:30	<i>Measuring Arrangement Similarity between Thematic Raster Databases Using a QuadTree-Based Approach</i> Denis J. Dean (United States)
12:30-14:30	Lunch
14:30-16:30	Session 5 (Geospatial Semantic Web: Chair – J. Hobbs)
14:30-14:45	<i>Mobile GIS: Attribute Data Presentation under Time and Space Constraints</i> Lasse Møller-Jensen (Denmark)
14:45-15:15	<i>Geospatial Semantic Web: Architecture of Ontologies</i> Dave Kolas, John Hebel, and Mike Dean (United States)
15:15-15:30	Coffee Break
15:30-16:00	<i>Formal Approach to Reconciliation of Individual Ontologies for Personalisation of Geospatial Semantic Web</i> Pragya Agarwal, Yongjian Huang, and Vania Dimitrova (United Kingdom)
16:00-16:30	<i>Incorporating Update Semantics within Geographical Ontologies</i> Xuan Gu and Dr Richard T. Pascoe (New Zealand)



FIRST FLOOR HALL (IN FRONT OF THE MULTIPLE USE ROOM)

17:00-19:00 **Poster Session and Industrial Exhibitions by Michael Baker and GTT NetCorp.
(Coordinator – M. Torres)**

Semantic Problem Definition in Ambiguously Defined Agricultural Data
Kathleen M. Baker (United States)

Towards a Methodolgy for Domain Expert Development of Geo-ontologies
Fiona Hemsley-Flint (United Kingdom)

HBR-tree: An Efficient Location Indexing Method for Moving Objects
Dong-O Kim, Dong-Suk Hong, Ki-Joon Han, Jae-Kwan Yun (Korea)

Semantic Topological Descriptor for Topographic Maps
Miguel Martínez (Mexico)

Semantics of Proximity in Locative Expressions
Félix Mata (Mexico)

Template-based Geospatial Knowledge Representation
V́ctor Montes de Oca (Mexico)

Conceptualization of Geometrical Aspects of Geospatial Data
Karina Verástegui (Mexico)

Geospatial Semantic Web for Searching
Nancy Wiegand (United States)