



## PROGRAM<sup>day before</sup>

### WEDNESDAY 2 DECEMBER 2009 (MULTIPLE USE ROOM)

18:00-20:00 Registration, Ice Break

## PROGRAM<sup>1st day</sup>

### THURSDAY 3 DECEMBER 2009 MORNING (MULTIPLE USE ROOM)

7:00-9:00 Registration, Coffee, Breakfast

9:00-9:15 **Opening Ceremony**

9:15-10:15 **Keynote 1. Multi-cultural aspects of spatial knowledge**  
Andrew U. Frank (Austria)

10:15-10:30 Coffee Break

10:30-12:30 **Tutorial 1. OWL 2 Rules**  
Pascal Hitzler (USA), Markus Krötzsch, and Sebastian Rudolph (Germany)

12:30-14:00 Lunch

14:00-15:00 **Session 1. Foundations of Geo-Semantics (Chair - A. Frank)**

14:00-14:30 *A Functional Ontology of Observation and Measurement*  
Werner Kuhn (Germany)

14:30-15:00 *The Case for Grounding Databases*  
Simon Scheider (Germany)

15:00-15:15 Coffee Break

15:15-16:15 **Session 2. Formal Representation of Geospatial Data (Chair - W. Kuhn)**

15:15-15:45 *Towards a Semantic Representation of Raster Spatial Data*  
Rolando Quintero, Miguel Torres, Marco Moreno, and Giovanni Guzman (Mexico)

15:45-16:15 *Bottom-Up Gazetteers: Learning from the Implicit Semantics of Geotags*  
Carsten Kessler, Patrick Maue, Jan Torben Heuer, and Thomas Bartoschek (Germany)

16:15-16:30 Coffee Break

16:30-17:30 **Session 3. Semantics-based Information Retrieval and Recommender Systems (Chair - P. Hitzler)**

16:30-17:00 *Ontology-based Integration of Sensor Web Services in Disaster Management*  
Grigori Babitski, Simon Bergweiler, Jorg Hoffmann, Daniel Schon, Christoph Stasch, and Alexander Walkowski (Germany)

17:00-17:30 *A Spatial User Similarity Measure for Geographic Recommender Systems*  
Christian Matyas and Christoph Schlieder (Germany)

19:00 Banquet



## PROGRAM<sup>2nd day</sup>

### FRIDAY 4 DECEMBER 2009 MORNING (MULTIPLE USE ROOM)

- |                    |   |
|--------------------|---|
| <b>9:15-10:15</b>  | <b>Keynote 2. Towards Reasoning Pragmatics: State of the Art and Vision for the Semantic Web</b><br>Pascal Hitzler (USA)  |
| <b>10:15-10:30</b> | Coffee Break  |
| <b>10:30-12:30</b> | <b>Tutorial 2. Building a Web of Sensors</b><br>Arne Bröring and Christoph Stasch (Germany)   |
| <b>12:30-14:00</b> | Lunch   |
| <b>14:00-15:00</b> | <b>Session 4. Integration of Semantics into Spatial Query Processing (Chair - K. Janowicz)</b>  |
| 14:00-14:30        | <i>SPARQL Query Re-writing Using Partonomy Based Transformation Rules</i><br>Prateek Jain, Peter Z. Yeh, Kunal Verma, Cory A. Henson, and Amit P. Sheth (USA)                               |
| 14:30-15:00        | <i>iRank: Ranking Geographical Information by Conceptual, Geographic, and Topologic Similarity</i><br>Felix Mata (Mexico)   |
| <b>15:00-15:15</b> | Coffee Break  |
| <b>15:15-16:15</b> | <b>Session 5. Geo-Ontologies and Applications (Chair - C. Stasch)</b>   |
| 15:15-15:45        | <i>Towards an Ontology for Reef Islands</i><br>Stephanie Duce (Spain)   |
| 15:45-16:15        | <i>Narrative Geospatial Knowledge in Ethnographies: Representation and Reasoning</i><br>Chin-Lung Chang, Yi-Hong Chang, Tyng-Ruey Chuang, Dong-Po Deng, and Andrea Wei-Ching Huang (Taiwan) |
| <b>16:15-16:30</b> | Coffee Break  |
| <b>16:30-17:30</b> | <b>Discussion/Panel (Moderator - S. Levashkin)</b>  |
| <b>17:30-17:45</b> | <b>Closing Ceremony</b>   |

### FRIDAY 4 DECEMBER 2009 EVENING (FIRST FLOOR HALL – IN FRONT OF THE MULTIPLE USE ROOM)

- |                    |   |
|--------------------|---|
| <b>18:00-20:00</b> | <b>Poster Session (Chair - M. Martinez) &amp; Bar Service</b> |
|--------------------|---|