

# INTERNATIONAL RESEARCH TRAINING GROUP

## SEMANTIC INTEGRATION OF GEOSPATIAL INFORMATION

### MISSION

Bridging conceptualizations and representations so that multiple communities can share geographic information or to create and improve methods and tools for geospatial information integration.

### RESEARCH GOALS

To develop methods and tools that support:

- Semantic modeling, using methods from the application disciplines, computing sciences, engineering, cognitive sciences, linguistics, mathematics, and philosophy;
- Information discovery, evaluation and access, using computational, human-computer interaction, database and information retrieval approaches;
- Semantic translation, using category-theoretical formalizations as well as linguistic, computational, and human-computer interaction approaches;
- Service composition in application domains, using computational, cognitive, and human-computer interaction methods.

### FUNDING ORGANIZATIONS

DFG (German Research Foundation), GRK 1498  
Corresponding funding: NSF (National Science Foundation, USA), IGERT grant DGE-0333417

### PARTNERS

- University of Münster, Germany
- University of Bremen, Germany
- University at Buffalo, USA

### QUALIFICATION PROGRAM

- Joint thesis supervision by professors from Germany and USA
- Course program, 25 ECTS credit points
- 6-month mobility phase at Buffalo
- Thesis milestones, e.g., quarterly progress reports, dissertation proposal, publications

### CONTACT

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### IRTG WEBSITE

<http://irtg-sigi.uni-muenster.de>

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### CALL FOR APPLICATIONS

Doctoral Researchers

April 1<sup>st</sup>, 2010 - March 31<sup>st</sup>, 2013

**Deadline for applications: December 11<sup>th</sup>**

Pre-selection of applications, notification of applicants, invitation to selection workshop: **December 12<sup>th</sup> - December 17<sup>th</sup>**

Selection workshop : **January 20<sup>th</sup>/21<sup>st</sup>**

### SCHOLARSHIPS

- 6 scholarships for doctoral researchers, April 1<sup>st</sup>, 2010 - March 31<sup>st</sup>, 2013; 1.468 € per month (if applicable, family supplement).
- In addition, interested PhD students are encouraged to apply for individual scholarships at national and international funding organizations, e.g., DAAD, DFG, EU, etc. In this case, pre-application to the targeted supervisor is required.

### SELECTION CRITERIA

- Master or equivalent degree (grade and relevance of topic, i.e. spatial information and/or information integration), if not issued yet, send provisional documents
- Quality and relevance of dissertation proposal
- English language skills (proof, i.e. TOEFL 550)
- Past academic experience and achievements
- Motivation for the program
- Formal aspects of application (complete set of documents digital (**one pdf file**) and original, to be received until the deadline)
- Performance at the selection workshop

See further information on the IRTG website : <http://irtg-sigi.uni-muenster.de>