

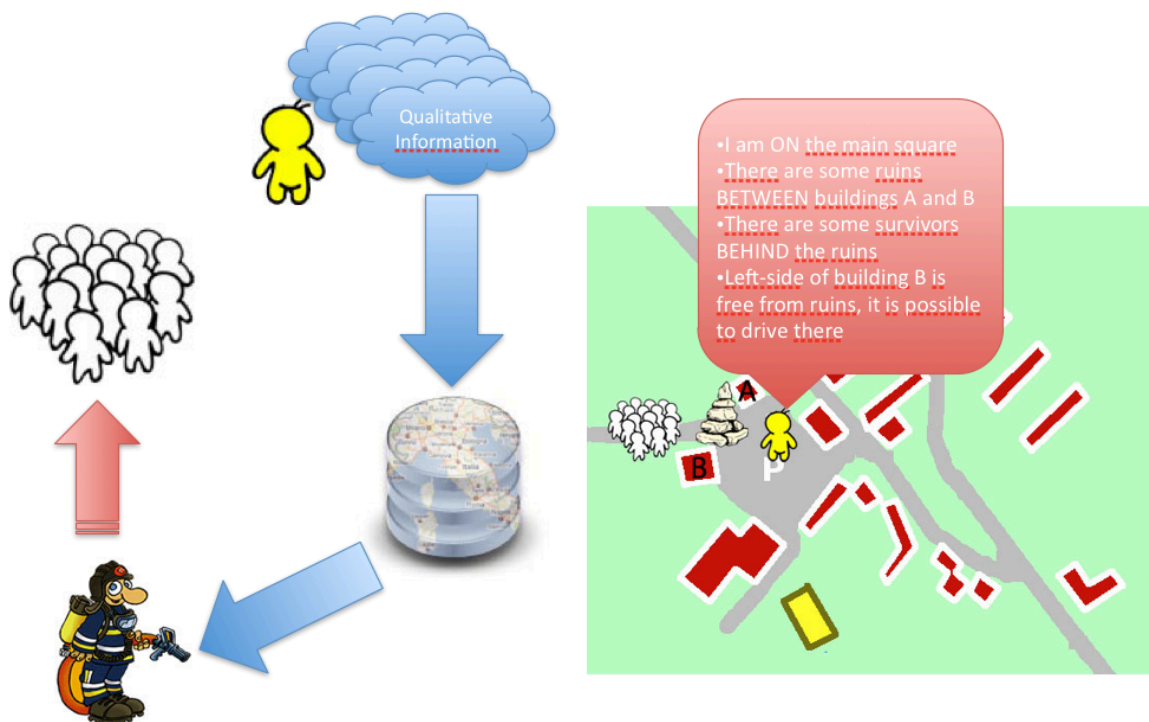
Call for Student Assistant

Estimated Starting Date: July 1st 2010

Estimated Ending Date: December 31st 2010

The International Research Training Group (IRTG) addresses problems arising when integrating geospatial information from multiple sources to reason and support decisions about the human environment.

The ongoing work focuses on the realization of a new kind of (geo)spatial representation approach based on qualitative models in order to fuse Qualitative Spatial Reasoning techniques with actual Geographic Information System technologies to provide an improvement over existing decision making tools. Volunteered geographic information and disaster management scenarios are considered as actual case studies.



Topic: The student will be required to develop a framework to store qualitative spatial information that will complement a Geographic Information System and to implement a basic reasoner and a querying engine.

Specific sub-tasks will be:

- Interface to a Geographic Information System
- Implement a framework for qualitative models
- Implement a basic qualitative querying processor
- Run experiments to evaluate the developed software

Preferably the candidate has to be close to the end of his/her Master studies (IT related) and he/she must have good programming skills in either C++ or python. Previous experience in GIS and Qualitative Spatial Reasoning fields is desirable but not required.

Wage: 10 Hours per week, 8€/hour

Application: write to Paolo Fogliaroni (CoSy Group, Informatik Department)

paolo@informatik.uni-bremen.de

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