

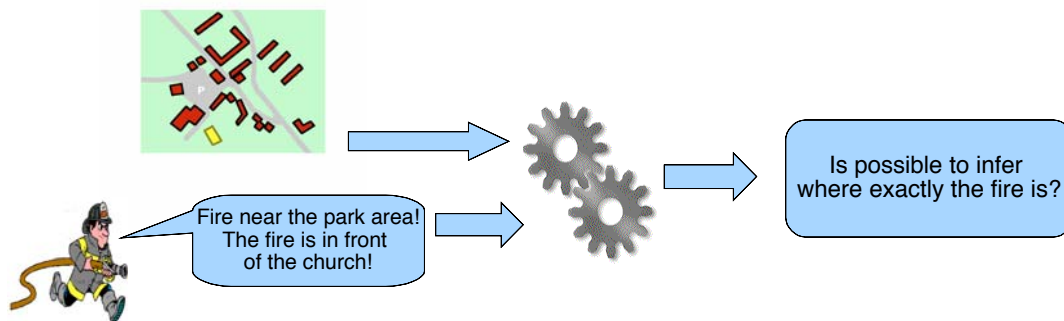
February 16th, 2010

IRTG – Semantic Integration of Geospatial Information

Call for Student Assistant

Estimated Start Date: April 01st, 2010

Estimated End Date: September 30th, 2010



The ongoing work in our research project aims at the realization of a reasoning system able to deal both with quantitative and with qualitative information in order to infer as much knowledge as possible starting from a mixed description of an environment. The task of the student assistant is to develop a software system that implements our mixed reasoning system to support decision making processes in the response phase of a disaster management scenario.

Topic:

Implementation of a framework able to deal with spatial information in a Geographic Information System (GIS) as well as qualitative information and development of a simple reasoner on these kind of knowledge.

More in details the student has to:

- Interface to a GIS System
- Implement a framework for qualitative models
- Implement a basic modular reasoning system
- Graphic visualization of the information
- Run experiments to evaluate the developed software

The candidate should be, preferably, close to the end of his Master studies and must have good skills in programming and possibly previous experiences in GIS.

Wage:

10 Hours per week, 8 €/hour wage

Application:

For application write to Giorgio De Felice (CoSy Group, Informatik Department)

defelice@informatik.uni-bremen.de