

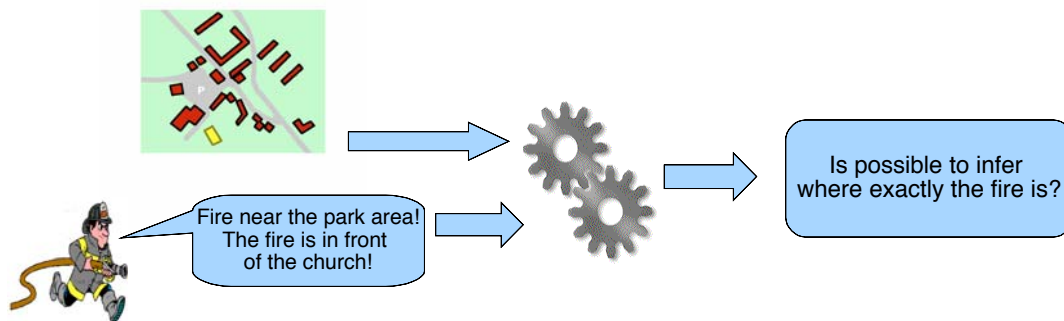
May 31th, 2010

IRTG – Semantic Integration of Geospatial Information

Call for Student Assistant

Estimated Start Date: July 01st, 2010

Estimated End Date: October 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 (C++/Python) 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