# **GEIST** research areas and expertise:

### **AI and Expert Systems**

- artificial intelligence,
  - ∘ ai
- knowledge-based intelligent systems
  - o intelligent systems
- knowledge engineering, knowledge representation, inference,
  - ∘ KE KR
- rule-based systems, tabular rule-base systems,
  - rules
- evaluation, verification and validation of intelligent systems,
- logic programming and prolog,
  - o prolog

## **Semantic Web Technologies**

- the semantic web and internet technologies
- semantic knowledge wikis,

#### **Databases**

- relational databases, and data warehouses
- geographical information systems (gis)

## **Software Engineering**

software engineering methods

#### **Control and Automation**

- intelligent control for mobile robots
- plan generation, planning systems, problem solving,
- · automated diagnosis.

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