

# GEIST research areas and expertise:

## AI and Expert Systems

- artificial intelligence,
  - ai
- knowledge-based intelligent systems
  - 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,
  - 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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