GEIST research areas and expertise

[1)](#)

AI and Expert Systems

- artificial intelligence,
- knowledge-based intelligent systems
- knowledge engineering, knowledge representation, inference,
- rule-based systems, tabular rule-base systems,
- evaluation, verification and validation of intelligent systems,
- logic programming and prolog.

Control and Automation

- intelligent control for mobile robots

- plan generation, planning systems, problem solving,
- automated diagnosis.

Databases

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

Formal Methods

- See Formal Methods Website

Semantic Web Technologies

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

Software Engineering

- software engineering methods

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