

# 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-based systems,
- evaluation, verification and validation of intelligent systems,
- logic programming and prolog.

See GEIST projects: ai intelligent\_systems rule-based\_systems ke kr rules prolog hekate +project

See GEIST software: ai intelligent\_systems rule-based\_systems ke kr rules prolog hekate +software

## Semantic Web Technologies

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

See GEIST projects: semantic semantic\_web semantic\_wikis +project

See GEIST software: semantic semantic\_web semantic\_wikis +software

## Databases

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

See GEIST projects: gis geospatial database +project

See GEIST software: gis geospatial database +software

## Software Engineering

- software engineering methods

See GEIST projects: se design +project

See GEIST software: se design +software

## Control and Automation

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

See GEIST projects: control robots planning diagnosis +project

See GEIST software: control robots planning diagnosis +software

## Formal Methods

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See GEIST software: formal\_methods +software

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