Research

Overview

GEIST is active in the areas of intelligent systems, knowledge and software engineering, Internet technologies and databases.

For details see: nstoc_1

Main research areas and activities

Design, Implementation and Verification of Rule-Based Systems and Business Rules

The GEIST team has deep theoretical and practical experience in Rule-Based Systems. The HeKatE project (2007-9) delivered conceptual design methods and practical tools. These tools are being actively used and extended to support the design of Business Rules and Processes.

Members of the team co-organize the DERIS and RuleApps workshops related to the area.

Semantic Knowledge Engineering with Semantic Wikis

The GEIST team has practical experience in building and applying semantic wikis in knowledge engineering. Recently a prototype system called PIWiki has been developed and presented at the ICCCI conference. Members of the team work with partners from the University of Wuerzburg in Germany, the developers of the KnowWE system, on the implementation of the next generation of semantic wikis.

Members of the team co-organize the KESE workshop related to the area.

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