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GEIST Research Projects

The group has been involved in number of research projects.

Current projects

- Prosecco
- SaMURal
- HiBuProBuRul
- INDECT

Completed projects

- Parnas, 18 month long NCN project on tools for inference control and quality analysis in modularized rulebases, see the project webpage at: parnas.ia.agh.edu.pl
- BIMLOQ, 32 month long NCN project on business models and processes optimization for quality, see the project webpage at: bimloq.ia.agh.edu.pl
- HeKatE, 30 month long NCN project on hybrid knowledge engineering methodology for knowledge-based systems, see the project webpage at: hekate.ia.agh.edu.pl

Past projects

The members of the group were involved in several projects. Selected projects include:

Adder

ID: KBN 4 T11C 035 2 *Timeline*: 2005→2006 *Leader*: Tomasz Szmuc

Principal investigators from GEIST: Marcin Szpyrka, Antoni Ligęza, Grzegorz J. Nalepa

Objective: research on formal methods in design of correct real-time and embedded systems,

including rule-based systems

GEIST members' contribution: methods and tools for design and analysis of rule-based security

systems

Adder webpage: home.agh.edu.pl/~adder

Mirella

ID: KBN 4 T11C 027 24 *Timeline*: 2003→2004

Scientific adviser: Antoni Ligęza

Principal investigator: Grzegorz J. Nalepa

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Objective: proposal of an integrated process of visual design, formal analysis and implementation of rule-based expert systems, supported by a CASE tool, preparation of a PhD thesis: Meta-Level Approach to Integrated Process of Design and Implementation of Rule-Based Systems

Mirella webpage: mirella.ia.agh.edu.pl

Regulus

ID: KBN 8 T11C 019 17 Timeline: 1999→2001 Leader: Antoni Ligeza

Principal investigators from GEIST: Antoni Ligeza, Grzegorz J. Nalepa

Objective: development of formal methods for knowledge representation and engineering in artificial

intelligence

Regulus webpage: regulus.ia.agh.edu.pl

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