

# 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](http://home.agh.edu.pl/~adder)

### Mirella

*ID:* KBN 4 T11C 027 24

*Timeline:* 2003→2004

*Scientific adviser:* Antoni Ligęza

*Principal investigator:* Grzegorz J. Nalepa

*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](http://mirella.ia.agh.edu.pl)

## Regulus

*ID:* KBN 8 T11C 019 17

*Timeline:* 1999→2001

*Leader:* Antoni Ligęza

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

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

*Regulus webpage:* [regulus.ia.agh.edu.pl](http://regulus.ia.agh.edu.pl)

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