Research Areas

Our research focuses on foundations and formal aspects of knowledge-based systems and Artificial Intelligence, with emphasis on (but not restricted to):

- Knowledge Representation and Reasoning
- Computational Logic and Complexity
- Declarative Problem Solving
- Intelligent Agents
- Mobile Robots
- Knowledge-Based Systems in Engineering

Knowledge Representation and Reasoning

Representation of knowledge in a suitable form and methods for reasoning from a given knowledge base are at the core of any knowledge-based system. Our research deals with a
Research Interest Related to RSP

Distributed Heterogeneous Stream Reasoning
supported by the Austrian Science Funds (FWF) under project number P26471.

http://www.kr.tuwien.ac.at/research/projects/dhsr/
Project’s Goals
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Project’s Goals
Progress and Outlook
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LARS
(ReactKnow14, OrdRing14, AAAI15)
Progress and Outlook

Answer update algorithm
(IJCAI15)

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Contrasting RSP Semantics
Progress and Outlook

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Contrasting RSP Semantics

Implementation
Progress and Outlook

Answer update algorithm (IJCAI15)

Contrasting RSP Semantics

LARS (ReactKnow14, OrdRing14, AAAI15)

Implementation

Equivalence Checking
Progress and Outlook

Answer update algorithm (IJCAI15)

Contrasting RSP Semantics

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Implementation

Equivalence Checking

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