WWTF Project ICT08-028

New Methods for Analyzing, Comparing, and Solving Argumentation Problems

Abstract

In the past decade, argumentation as a research field has become a core issue within the frame of Artificial Intelligence (AI), providing a formal treatment for reasoning problems such as can be typically found in multi-agent systems or law research. The approach allows to pinpoint conflicts between arguments. The project investigates the basics for comparing argumentation frameworks and to accelerate the computing process by new methods. It will also provide a first prototype for an "argumentation support system" which could be used for legal reasoning, mediation processes and to analyse social interactions on the internet.

Keywords:

argumentation, problem encodings, complexity analysis

Principal Investigator:	Stefan Woltran
Institution:	Vienna University of Technology
Further collaborators:	Uwe Egly (Vienna University of Technology)

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Further links about the involved persons and regarding the project you can find at

https://archiv.wwtf.at/programmes/information_communication/ICT08-028