

I would like to start my talk with gentle introduction into multi-agent systems. After that I am going to explain, why automated normative reasoning is needed for such systems based on examples: negotiation, violation recognition and sanction application. At this point I also hope to touch the topic of polite agents if it will fit the talk time.

In the second part of my talk I am going to present two techniques to solve the presented in the first part of the talk tasks: rule-based systems and ASP. At this point I am going to probably briefly introduce the concept “ontology”, since I assume that not everybody in the audience is familiar with it. I hope to illustrate both techniques with small and clear examples.

I am going to conclude with the statement of relevance of both techniques based on analysis of their usage in industry and research.

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