

Agent, Epistemology, and AI

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Abstract

In this talk, I will show how our knowledge and belief are changed by agent communication. We apply dynamic epistemic logic to subtle differences of the result of agent communication, e.g., what is informed, what is known to each other, and what is aware of for each agent. En route, we discuss the reliability of information source, including the notion of communication channel. Thereafter, we apply the idea to analyze several legal cases, and try to explain the relation between the suspect's intention, the result, and his/her predictability of causality in them.

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