



Uncertain Reasoning

The capability of reasoning with uncertain or incomplete information is a crucial feature both of human and machine intelligence. This track presents fresh research advancing the state of the art across a wide range of nondemonstrative approaches, methods, and interests. Topics of interest include uncertain reasoning formalisms, calculi, and methodologies; reasoning with probability, possibility, fuzzy logic, belief functions, argumentation, rough sets, and probability logics; modeling and reasoning using imprecise and indeterminate information; nonmonotonic reasoning and belief revision; uncertain reasoning and databases; uncertain reasoning in Web intelligence; multiagent uncertain reasoning and decision making; decision-theoretic planning and Markov decision process; temporal reasoning and uncertainty; and practical applications of uncertain reasoning.