

Areas of Interest

Knowledge Acquisition, Representation, Reasoning and Ontologies /// Combinatorial Search, Configuration, Design and Deduction /// Natural Language Processing, Statistical NLP, Semantics /// Planning and Scheduling, Spatial and Temporal Reasoning /// Reasoning under Uncertainty, Probabilistic Inferences /// Non-Monotonic Reasoning and Default Logics /// Constraint Satisfaction, Processing and Programming /// Embodied AI, Robotics, Vision and Perception /// Intelligent Information Retrieval, Semantic Search, Semantic Web /// Evolutionary and Neural Computation /// Machine Learning, Computational Learning Theory and Data-Mining /// Distributed Problem Solving and Multi-Agent Systems /// Game Playing and Interactive Entertainment, AI for Graphics /// Game Theory and General Game Playing, Generalized Intelligence /// AI for Human-Computer-Interaction and Adaptive Communication /// Mobile Solutions with Textile, Semantic and Spatial Media /// Augmented Reality, Smart Cities, Smart Traffic, Smart Hardware /// Assistance Systems in Living and Working Environments /// Software-Engineering, Model Checking and Security in AI /// Distributed Computation and Swarm Intelligence /// Cognitive Modelling, AI and Psychology /// History and Philosophical Foundations of AI /// Applications including Logistics, Production and Health Care

Conference Organization

General Chair: Antonio Krüger (Saarland University and DFKI)

Program Chair: Birte Glimm (University of Ulm)

Local Chairs: Boris Brandherm and Ralf Jung (Saarland University)

Workshop Chair: Gabriele Kern-Isberner (TU Dortmund)

Tutorial Chair: Wolfgang Maaß (Saarland University)

Poster Chair: Stefan Wöfl (University of Freiburg)

Doctorial Consortium Chair: Carsten Lutz (University of Bremen)

Publicity Chair: Daniel Sonntag (DFKI)

KI 2012



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