

September 23-26, 2019,
Kassel, Germany



42nd German Conference on Artificial Intelligence

The German conference on Artificial Intelligence (abbreviated KI for “Künstliche Intelligenz”) has developed from a series of unofficial meetings and workshops, organized by the German “Gesellschaft für Informatik” (association for computer science, GI), into an annual conference series dedicated to research on theory and applications of intelligent system technology. KI 2019 will have a special focus on “AI methods for Argumentation” and we especially invite contributions that use methods from all areas of AI to understand, formalize or generate argument structures in natural language. The special focus will be organized in cooperation with the DFG funded priority program “RATIO: Robust Argumentation Machines”.

Besides this special focus, KI 2019 invites original research and application papers on all aspects of AI research, including but not limited to the following:

- Agent-based and multi-agent systems • AI applications and innovations • Argumentation in AI • Belief change
- Cognitive modelling • AI and psychology • Commonsense reasoning • Computer vision • Constraint satisfaction, search, and optimization • Diagnosis and configuration • Evolutionary computation • Game playing and interactive entertainment • Information retrieval, integration, and extraction • Interactive and automated theorem proving
- Knowledge engineering and ontologies • Knowledge representation and reasoning • Knowledge discovery and data mining • Machine learning • Multidisciplinary AI • Natural language processing • Nonmonotonic reasoning and default logics • Philosophical foundations of AI • Planning and scheduling • Recommender systems
- Responsible AI, normative reasoning • Robotics • Uncertainty in AI • Web and information systems

Appart from the main conference, KI hosts various workshops and tutorials addressing different aspects of AI and a doctoral consortium, which provides an opportunity for PhD students to discuss their research interests and career objectives with established researchers in AI and network with other participants.

Format: We invite papers, which have to be in English and formatted according to the Springer LNCS style, in the following categories • Full technical papers (12 pages max., excluding references) • Technical communications (6 pages max., excluding references) • Abstracts of papers accepted at (most recent editions of) major AI conferences (3 pages max., excluding references) • Proposals for the doctoral consortium (3 to 5 pages).

Submission deadline:

Main conference: May 12, 2019 (abstract submission);
May 17, 2019 (paper submission)

Doctoral consortium: June 10, 2019

Notification:

Main conference: June 28, 2019

Doctoral consortium: August 5, 2019

Camera ready version: July 12, 2019 (main conference)

Conference:

Main conference: September 23 - 26, 2019
Doctoral consortium: September 23, 2019
Workshops and tutorials: September 23, 2019

Organizing committee:

Christoph Benzmüller (main conference)
Heiner Stuckenschmidt (main conference)
Alexander Steen (workshops and tutorials)
Kristina Yordanova (doctoral consortium)

For further information regarding the conference,
visit our webpage <https://www.ki2019.de/>