Conference Venue

This year's annual German conference on AI will take place at and near the campus of Technical University Berlin. TU Berlin has earned internationally acclaim for its excellence in research and education. It is attended by 30,000 students, 3600 of these have enrolled in the school of electrical engineering and computer sciences. Together with Berlin’s Humboldt-Universität and Freie Universität, several research institutes and many industry liaisons, the Technical University establishes Berlin as an important center of AI research, neural computation and cognitive robotics in Germany.

Berlin

Berlin is a city of vivid contrasts, cultural diversity and tumultuous change. Berlin’s many faces include a modern cosmopolitan capital, alternative lifestyles, a bustling arts scene, famous historical sites and fascinating contemporary architecture.

Politics, culture and science are the driving forces of the city, turning Berlin to one of the most exciting metropoles of the world. The conference will take place directly after the German Unity Day celebrations on the 3rd of October, which will lend the city even more of an interesting flair.

Organization

General Chair: Stefan Edelkamp (Universität Bremen)
Local Chair: Joscha Bach (HU Berlin)
Workshop Chair: Bernd Schattenberg (Universität Ulm)
Tutorial Chair: Sebastian Kupferschmid (Universität Freiburg)
Doctoral Consortium Chair: René Schumann (NII, Tokio)

Industry Liaisons: Roman Englert (T-LABs)
Co-Location: Doris Fähndrich (TU Berlin)


Contact

Conference organization:
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Local organization:
Joscha Bach, joscha.bach@hu-berlin.de
CILS – Center for Integrative Life Sciences
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KI 2011

Call for Papers

KI 2011 is the 34th edition of the German Conference on Artificial Intelligence, which traditionally brings together academic and industrial researchers from all areas of AI. The technical programme of KI 2011 will comprise paper and poster presentations and a variety of workshops and tutorials.

KI 2011 will take place in Berlin, Germany, October 4-7, 2011, and is a premier forum for exchanging news and research results on theory and applications of intelligent system technology.

This year, it will be co-located with INFORMATIK 2011, the 41st Annual Meeting of the Gesellschaft für Informatik, and MATES 2011, the 9th German Conference on Multi-Agent System Technologies.

The applications of Artificial Intelligence are abundant and widespread. In fact, Artificial Intelligence has become such a mainstay in today's world that it is taken for granted by the majority of people who benefit from its efficiency.

Therefore, the focus of the conference is on advances Towards a Smart World— Evolving Technologies in AI

The conference invites original research papers from all areas of AI, its fundamentals, its algorithms, its history and its applications.

Areas of interest include, but are not limited to

- Knowledge Acquistion, 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,
- Artificial General Intelligence,
- Cognitive Modelling, AI and Psychology,
- History and Philosophical Foundations of AI,
- Applications, including Logistics, Production and Health Care

We especially welcome application papers providing novel insights on the interplay of AI and the real world, as well as papers that bring into AI useful computational technologies from other areas of computer science.

All papers will be reviewed based on the standard criteria of clarity, relevance, significance, originality, and soundness. All accepted papers will be published in the main conference proceedings, and will be presented at the conference.

The conference proceedings will be published in the Springer Lecture Notes in AI (LNAI) series. At least one author per accepted paper must register for the conference and present the contribution.

Submission Guidelines

Submitted papers, which have to be in English, must not exceed 12 pages in Springer LNCS style for full technical contributions and 4 pages for short contributions.

Full technical papers are expected to report on new research that makes a substantial technical contribution to the field and is placed in the context of existing work.

Short papers can report on new research or other issues of interest to the KI community. Examples of work suitable for short papers include: novel ideas that are not yet fully developed or whose scope is not large enough for a full paper; important implementation techniques; novel interesting benchmark problems; short experimental studies; interesting applications that are not yet completely solved or analyzed; position or challenge papers; etc.

Conference submission is electronic, in pdf or postscript format, available on www.easychair.org/conferences/?conf=ki11

Important Dates

Paper submission deadline: May 1, 2011
Notification of acceptance: July 1, 2011
Camera ready versions due: July 15, 2011
Early registration: July 31, 2011