

# Call for Papers

AI4U - Artificial Intelligence for Humans  
June 24-26, 2019 | MOC Munich

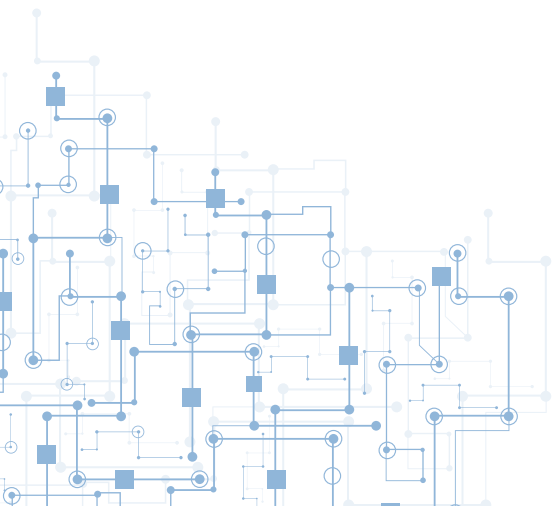
The AI4U „AI for YOU“ is a conference whose aim is to promote application-oriented research in the field of artificial intelligence (AI) and machine learning (ML) with a specific focus on AI as a technology for humans. On this note, the forum will concentrate on the scientific exchange between architects, practitioners, scientists, students and engineers in AI, ML and associated disciplines.

Successfully launched in 2018, the AI4U welcomes submissions that report on AI case studies, research results, interesting solutions and innovative business models. Contributions can address all areas of AI and ML. We are particularly interested in work that deals with the effective collaboration between people and AI systems and their innovative applications, or that goes beyond technical areas or addresses AI techniques in the context of important application areas such as health, finance, production, sustainability, energy, transport or trade.

Interested parties are cordially invited to submit their proposals for presentations (45 or 60 minutes) by February 04, 2019.

Contributions can address a wide variety of models, technologies and approaches from different areas. These include

- Reviews of existing AI systems and business models in which the experience and lessons learned from the use or development of AI systems for technical applications are discussed,
- Aspects of software engineering, e. g. intelligent programming environments, verification and validation of AI-based software, software and hardware architectures for the real-time use of AI techniques, security and reliability, including multi-agent based control,
- Metaheuristics and its applications in intelligent automation and global optimization, such as robotics or industry 4.0,
- Knowledge processing, knowledge collection and acquisition, knowledge representation, knowledge consolidation, knowledge databases, expert systems,
- Neural networks, fuzzy systems, neuro-fuzzy systems,
- Deep learning processes and practical applications (supervised, unsupervised and reinforcement learning),
- Perception, e. g. image processing, pattern recognition, vision systems, tactile systems, speech recognition and synthesis,
- Self-organizing, newly emerging or bio-inspired systems,
- Large data analysis, understanding of complex networks, Internet of Things and cyber-physical systems, Intelligent Transport Systems & Smart Vehicles,
- Intelligent real-time automation and the associated supporting methods and techniques,
- Semantic technologies and cognitive computing,
- Decision support systems,
- Case-based and model-based reasoning,
- Intelligent error detection, fault analysis, diagnosis and monitoring.



# Submissions

Please submit your proposal exclusively online at

<https://confcall.sigsdatacom.de>.

Please select: **AI4U 2019**

**Deadline for submission: February 04, 2019**

Notification of acceptance: End of February, 2019

Program of lectures: June 24 - 25, 2019

The lectures can be given in German or English. Please submit your proposal in the language of the presentation.

The lectures last 45 or 60 minutes. A maximum of 2 speakers per lecture is allowed.

We expect the following information per submission from you:

- Title (max. 130 characters, incl. spaces)
- Summary (max. 960 characters, incl. spaces)
- Length of lecture: 45 or 60 minutes
- Detailed description of the presentation
- Learning Achievements: 3-5 bullet points why attendees should attend your lecture, what insights they can gain
- Short biography speaker (480 characters, incl. spaces)
- What are the prerequisites for participants to experience a benefit?
- What are your main messages and what is your rough agenda?
- In which way and in which style do you want to communicate the topic?
- Where and when have you already presented, published or dealt with the topic?

Thank you very much for contributing to the success of AI4U by submitting your proposal.

If you have any questions, do not hesitate to contact us. Please feel free to pass this call for papers on to your colleagues.



# Conference Board of the AI4U

**Prof. Dr. Prof. h.c. Andreas Dengel**

German Research Center for Artificial Intelligence (DFKI)

**Jörg Besier**

Accenture GmbH

**Igor Neiva Camargo**

Continental Automotive

**Dr. Stefan Wess**

Empolis Information Management GmbH

