



ISAAI'19 @ DIGICON

DIGICON 2019
DIGITALE WELT CONVENTION



Call for Papers

First International Symposium on Applied Artificial Intelligence (ISAAI'19)

www.mobile.ifi.lmu.de/isaai

20th – 21st November, 2019, Munich, Germany

Recent advances in artificial intelligence have paved the way for exciting applications, which are now playing important roles in everyday life ranging from language translation and image processing to recommender systems and autonomous driving. Most applications are based on machine learning, which achieved great successes due to increasingly available computational resources and data. Applying artificial intelligence to diverse areas is appealing due to its self-organizing and self-learning nature, which enables generic ways of solving problems with minimal effort on specifications. The current trend of applied artificial intelligence offers numerous opportunities to contribute within areas of research, theory, technology, and application.

ISAAI'19 will be held in conjunction with **DIGICON** (www.digitaleweltmagazin.de/digicon) in Munich, Germany, on 20th – 21st November, 2019.

The aim of ISAAI'19 is to present applications of artificial intelligence especially on the following topics related to industry 4.0, finance and banking, life sciences, telecommunication, robotics, and other fields of applications:

AI integration in practice:

- analysis of application areas and data sources
- experience and technical reports on use cases and implementations
- human-in-the-loop and education on AI

AI goals, benefits and challenges:

- understanding history: from data mining to reasoning
- anticipating the future: predictive maintenance from machines to humans
- handling uncertainty and open systems
- rigorous engineering of AI systems

AI algorithms and techniques:

- cognitive technologies, autonomous techniques and robotics
- natural language processing, deep learning and machine learning
- search algorithms and optimization

AI platforms and hardware:

- benchmarking and performance analysis
- neuromorphic chips and quantum computing

ISAAI'19 is organized to connect people from academia and industry to discuss about research, theory, technology, and applications and exchange ideas to move efficiently forward in engineering and development in the exciting area of applied artificial intelligence.

Submission info for manuscripts:

Original and unpublished regular papers are solicited from the above-mentioned areas. Regular papers may have 4 to 8 pages including references. All manuscripts will be peer-reviewed by at least three reviewers. Accepted papers will be published in the journal DIGITALE WELT I/2020. This journal is published by Springer Publishing Company via Springer Professional and has up to 20,000 readers per issue. The papers of the journal are found automatically by Google Scholar. At least one of the authors of each accepted paper is required to register (a regular registration before submission of the final manuscript), attend, and present the paper at the symposium.

Templates for the manuscripts can be downloaded from: www.mobile.ifi.lmu.de/isaai19-authorskit.zip

The formatted manuscript as PDF should be electronically submitted at: www.edas.info/N26555

Further information is available in the ISAAI'19 webpages: www.mobile.ifi.lmu.de/isaai

If you have any questions, please write to isaai19@mobile.ifi.lmu.de.

Exhibition track:

In addition to the presentations we will organize an exhibition of posters and demonstrations on 20th November 2019. Therefore, you can submit an extended abstract of your idea or demonstrator with maximum length of one page. Suitable papers will also be invited to be presented as posters.

Important dates:

Paper submission due:	1st August, 2019 15 th August, 2019 (extended deadline)
Notification date:	15 th September, 2019
Final manuscript due:	4 th October, 2019
Symposium date:	20 th – 21 st November, 2019

Organizing Committee:

Claudia Linnhoff-Popien, LMU Munich, Germany
Thomy Phan, LMU Munich, Germany
Sebastian Feld, LMU Munich, Germany

Program Committee:

Elisabeth André, Augsburg University, Germany
Ana Bazzan, Universidade Federal do Rio Grande do Sul, Brazil
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Jonathan Shapiro, University of Manchester, UK
Michael Winikoff, Victoria University of Wellington, New Zealand
Jiayu Zhou, Michigan State University, USA