



Photo: Dorothea Pantförder, 2017

IEEE CASE 2018

14TH IEEE INTERNATIONAL CONFERENCE ON AUTOMATION SCIENCE AND ENGINEERING

Knowledge - based Automation

Call for Papers

IEEE CASE 2018 will be under the motto **Knowledge-based Automation**. It will gather experts from academia and industry to report on recent developments, trends and research results. CASE 2018 invites submissions of high-quality research and industry papers describing original and unpublished work.

To allow customized products and shortened time to market on the one hand and longevity and evolvability of networked automated production systems on the other hand, we need to learn from engineering and operation of systems. CASE 2018 will focus on knowledge as a key factor for future automation engineering and science.

We would also like to encourage representatives from industry to submit interesting papers on their latest developments and work.

Conference Tracks

- Cyber physical production systems and industry 4.0
 - Self x-systems,
 - Agents vs. service oriented systems
 - Intelligent products and manufacturing systems
 - Networked control systems
 - Model-coupling and co-Simulation
 - Standardization of interfaces, capabilities, communication, architecture
- Cloud computing for automation
- Big data and data mining
 - Architecture, pre-processing, data-curation, algorithm
 - Application examples: challenges, strength and weaknesses
 - Business models
 - Knowledge acquisition
 - Knowledge modeling (semantic technologies)
 - Knowledge-based engineering assistance
- Automation and control
 - Automotive-, manufacturing-, additive manufacturing industry
 - Automation in meso, micro and nano-scale
- Domain specific software & systems engineering
- Mechatronics
- Discrete event systems
- Model evolution (systems and software)
- Human in the loop (in engineering and operation)
- Building automation

Technical University
of Munich
Campus Garching



Photo: Albert Scharger/TUM2016

Munich, Germany
August 20 - 24, 2018

August 20, Workshops
August 21 - 23, Conference
August 24, Technical Tour

CASE2018.org

Important Dates

January 15	Open special session/ tutorial/workshop proposal submission due
January 29	Open special session/ tutorial/workshop acceptance notification
February 15	Special session proposal submission due
March 1	Regular/Special session/ CASE/RA-L joint submission due
April 1	Work in Progress/Industrial paper submission due
May 15	Paper acceptance notification
June 1	Conference registration opens
June 15	Final paper submission due
June 30	Deadline of advanced registration



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Submission Format

- We strongly recommend to use the set of templates provided by [IEEE](#)
- **Regular papers** can be submitted with a length of 6-8 pages. For the final submission, a manuscript should be of 6 pages, with 2 additional pages allowed but at an extra charge (USD 200 per page).
- **Work in progress** and **Industry papers** can be submitted with a maximal length of 4 pages using the [IEEE Paper template](#). Note that this category is especially useful for late breaking results or industry submissions.
- All papers must adhere to the IEEE style and will be peer-reviewed.
- **PDF file:** A manuscript file needs to be converted into its PDF version for submission. Please limit the size of the PDF file to be 2 Mb. See guidelines on manuscript preparation at IEEE.
- Proposal for a Special Session
- Proposal for a Workshop



Accommodation

Garching near Munich:

- Ibis München Garching, Daimlerstraße 5, 85748 Garching b. München
www.accorhotels.com
- SOULMADE Hotel, Mühlfeldweg 46-48, 85748 Garching b. München
www.soulmadehotels.com
- Hotel Hoyacker Hof, Freisinger Landstr. 9a, 85748 Garching b. München
www.hoyackerhof.de

Munich:

- Munich Marriott Hotel, Berliner Straße 93, 80805 München
www.marriott-muenchen.de
- Hilton Munich City, Rosenheimer Straße 15, 81667 München
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