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Design School of Kyoto University, Symbio Community Forum, System Forum of the Iron and Steel Institute of Japan (ISIJ), Human Interface Society, Division of HMS of Atomic Energy Society of Japan, the Institute of Systems, Control and Information Engineers (ISCIE), System and Information Division of Society of Instrument and Control Engineers (SICE), Japan Society of Maintenology, Japan Ergonomics Society.

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### Important dates

Paper and session submission deadline:	21.11.2015
Notification of acceptance:	28.02.2016
Full paper submission deadline:	25.04.2016
Early registration deadline:	30.05.2016

### Registration fees (tentative)

Registration fees	¥ 75,000
Early registration fees	¥ 65,000
Student (Early) registration fees	¥ 50,000 (35,000)

### Venue: The SODOH HIGASHIYAMA KYOTO



### Contact

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## 13th IFAC/IFIP/IFORS/IEA Symposium

on

## Analysis, Design, and Evaluation of Human-Machine Systems



**Kyoto, Japan,  
August 30 – September 2, 2016**

**Organized by  
Kyoto University**

<http://www.syn.me.kyoto-u.ac.jp/IFACHMS2016/>

## Announcement

The 13th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems will be held in Kyoto, Japan, on August 31 - September 2, 2016 being hosted by Kyoto University. The International Program Committee invites you to submit a proposal and join us in this prestigious international event for scholars and experts. The symposium will continue the success of the previous meetings, which were held in Kassel (DE), Atlanta (US), Seoul (KR), Valenciennes (FR) and Las Vegas (US). The objective of this symposium is to exchange ideas and further understanding in the areas of Human-Machine Systems, Human-Computer Interaction, Intelligent and Autonomous Systems and Decision Support Systems. The symposium will especially highlight the paradigm shifts in research and practice. We witness in these areas due to the recent advance of communication and information technologies.



## Topics

### Analysis, Design, and Evaluation of Human-Machine Systems

Human-centered design and automation.  
Methodology, principles, practice.

### Analysis

Cognitive task analysis, task and function allocation.  
Risk assessment, accident analysis, and operational risk analysis.  
Modelling of human performance, reliability, and mental workload.

### Design

Work organization, job design, and team design.  
Graphical interfaces, auditory interfaces, multimedia design.  
Multi-modal interactions in real and virtual environments.  
Functional and adaptive interfaces, interface agents.  
Intelligent and agent systems, neural networks, fuzzy logic, genetic algorithms.

Support for operational risk management, system operation, maintenance, and supervision.  
Information management and knowledge retrieval.  
Barrier free and changeable designs.

### Evaluation

Evaluation of performance, usability, safety, and workload.  
Laboratory simulation, field experiments and observation.

### Remote, Network and Internet Systems

Intelligent interfaces.  
Real and virtual environments.

### Human/Humane Aspects of Human-Machine Systems

Decision making and cognitive processes.  
Human operator support.

### Application Domains of Human-Machine Systems

Transportation Systems.  
Work organization.

For the complete list of the topics, see:

<http://www.syn.me.kyoto-u.ac.jp/IFACHMS2016/workshop-topics.html>

## Paper Submission

Submissions must be original work. The official language of the symposium is English. Proposals may be of three types: papers (1), poster presentations (2) and sessions (thematic topic sessions or panel sessions) (3).

The National Organizing Committee and the symposium Editor has received agreement for best papers publication. Papers can be submitted at the link below:  
<http://www.syn.me.kyoto-u.ac.jp/IFACHMS2016/call-for-papersand-papers-submission.html>

Paper and poster presentation submission (1), (2):

The author should submit a full draft paper that describes original work (up to 6 pages). At least one author must register early to be included in the program.

Proposals for session (3):

Sessions organizers are invited to submit a set of 4-6 speakers invited papers with a well-defined cohesive focus on a topic relevant to the symposium. Sessions may start with a tutorial presentation. Session proposals can be extended abstracts of at least 1000-2000 words showing the principal contributions of the submitted papers that will be presented. Please contact the secretariat at [sec-ifachms2016@me.kyoto-u.ac.jp](mailto:sec-ifachms2016@me.kyoto-u.ac.jp) for more details.

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