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For the complete list of the IPC members, see:

http://www.univ-valenciennes.fr/IFACHMS2010/ipc-members.html

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Important dates

Paper and session submission deadline:	21.01.2010 (extended)
Notification of acceptance:	28.02.2010
Full paper submission deadline:	30.04.2010
Early registration deadline:	30.05.2010

Registration fees

Registration fees	*€ 550*
Early registration fees	*€ 450*
Student (Early) registration fees	*€ 350 (250)*

The symposium fees cover admittance to all sessions, an electronical copy of preprints, banquet, lunches, refreshments, and social events.

Contact

Secretariat

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11th IFAC/IFIP/IFORS/IEA Symposium
on
Analysis, Design, and Evaluation of Human-Machine Systems

Valenciennes, France, August 31 – September 3, 2010

Organized by
The Université de Valenciennes et du Hainaut-Cambrésis

http://www.univ-valenciennes.fr/IFACHMS2010

Announcement

The 11th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems will be held in Valenciennes, France, on August 31 - September 3, 2010 being hosted by the Université de Valenciennes et du Hainaut-Cambrésis. 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 Kyoto (JP), Kassel (DE), Atlanta (US) and Seoul (KR). 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.univ-valenciennes.fr/IFACHMS2010/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.univ-valenciennes.fr/IFACHMS2010/call-for-papers-and-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-ifachms2010@univ-valenciennes.fr for more details.

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