

CALL FOR PAPERS

6th International Workshop on Modelling, Simulation, Verification and Validation of Enterprise Information Systems (MSVVEIS 2008)

June 12-13, 2008 – Barcelona, Spain

<http://www.iceis.org/workshops/msvveis/msvveis2008-cfp.html>

Co-located with ICEIS 2008, June 12-16, <http://www.iceis.org>

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Background & Goals: One of the most important recurrent problems in any enterprise is how to ensure the reliability and correctness of the core processes and systems the company relies on. This event focuses on the provision of methods and tools that can increase the level of confidence on Enterprise Information Systems (EIS).

Procedures to increase the quality of the outcome for an EIS can be exercised at different levels and this forum considers methodologies that can help, either at an organizational or at a software development level, to increase the level of confidence in the IS used and produced. The complexity of modern companies, usually geographically distributed and supporting online simultaneous operation from many customers around the world, is reflected in complex operational procedures as well as in the sophisticated software that is needed to realize that operational structure. Several methodologies have been developed to analyse and develop processes that whilst reflecting the complex operational contexts of modern companies is also reliable. Modelling, Simulation, Verification and Validation are particularly connected with the responsible production of systems. They can be connected to each other in order to explore the behaviour of a system under development and to evaluate how it relates to the intended implementation.

Continuous advances in the complexity of systems produced around the world unrelentlessly push ahead the boundaries uncovering new challenges as new application domains are considered and new technologies are combined or created. Some characteristic problems faced by software developers in the area of EIS are the use of distributed resources interacting via synchronous or asynchronous communication, consistency of data, and security and performance issues, to mention a few. At higher levels of granularity in the various IS co-existing in an company the fundamental procedures used to operate a business can be also subject of rigorous analysis and refinement to increase the reliability on the overall business process, for example through the analysis of workflows.

After several decades of sustained effort, many techniques and associated tools are now available to industry and business-related professionals to rigorously scrutinize the core processes and products of their operation. Still the problems are numerous as systems grow and new technologies are considered. EIS is a continuous source of interesting challenges and to contribute to the progress of this area our workshop is annually organized in order to stimulate the exchange of ideas/experiences of practitioners, researchers, and engineers interested in the elaboration of more reliable systems. Because one of the aims of the workshop is to stimulate dialogue between people working in the area from different perspectives, a wide range of contributions are welcomed, both practical and theoretical papers, including case studies, from areas such as:

Workshop Secretariat:

workshops@iceis.org

ICEIS'08 will be organized by INSTICC.

Registration: attending the workshop requires registration at www.iceis.org

Dates:

Submission (Hard Deadline): March 3, 2008

Notification: April 4, 2008

Final version: April 14, 2008.

Format:

The workshop will consist of oral presentations of peer-reviewed papers and invited keynote speeches.

The best oral and poster presentations will be awarded a prize during the workshop.

Further Information:

You can find both more general information about the workshop and more specific guidelines on the requirements for submissions at [MSVVEIS Portal](#).

We strongly advise to follow these guidelines as they are considered during the evaluation and selection of the submissions.

Publication of papers accepted:

The proceedings of the workshop will be published in the form of a book by INSTICC Press.

For this edition in 2008 the *Journal of Software and Systems Modeling*, published by Springer Verlag, has accepted to publish a Special Issue based on the best papers presented at this workshop. The Special Issue Guest Editor will be M. V. Cengarle (TU München - Germany).

- Modelling and Simulation to increase software reliability
- Software process modelling and simulation
- M&S, V&V as part of the SW Lifecycle
- Business process modelling, simulation, analysis and design
- Workflow modelling, simulation and verification
- Inf. Systems modelling and design
- Requirements specifications
- Modelling guidelines
- Integration of modelling and specification
- Case studies
- Petri nets
- Application integration
- Use cases
- Business and industry applications
- Model checking
- Testing
- Combination of verification systems
- Consistency checking and data integrity
- Large scale component based development
- Notation standards (UML, XML, etc.)
- Reuse of specifications and proofs
- Quality control an assurance
- Software architecture
- Validation and certification
- Formal methods
- Deductive systems
- Safety critical systems
- Finite-state abstractions of infinite-state systems
- Process algebra

We aim at including papers on methods currently used in industry for EIS modelling, simulation, verification and validation as well as existing approaches in academic environments, hoping to benefit both practitioners and researchers.

Categories: Three main categories of submissions will be considered:

- a) regular papers,
- b) work in progress by Ph.D. students,
- c) tool demonstrations.

Please indicate clearly the category of your paper.

Submission: The length of the paper should not exceed 10 pages. Instructions for preparing the manuscript (in Word and Latex format) are available at the **ICEIS** web site.

PDF/PS/RTF versions of the manuscript should be submitted electronically using the **ICEIS** web-based submission system.

In addition, an email must be sent to all workshop chairs including: title and an abstract of the submitted paper, three keywords from the list of interesting areas given above, category and authors' affiliation. Submissions not complying with the formatting guidelines will not be evaluated.