

2ND CALL FOR PAPERS – METH 2006

TRACK ON MODELLING AND SIMULATION METHODOLOGIES

Part of ECMS 2006

The 20th European CONFERENCE on Modelling and Simulation



**May 28 – 31,
2006**

**Sankt
Augustin,
Bonn,
Germany**

**Submission Deadline:
January 30, 2006**



INVITATION

You are kindly invited to submit a paper to **METH 2006**, the track on *Modelling and Simulation Methodologies* of the Conference **ECMS 2006**. **METH 2006** will bring researchers and professionals together in order to address and discuss recent developments on modelling and simulation methodologies (M&S) and their applications.

M&S methodologies depend on the nature of the system under study, on the level of abstraction convenient to represent the problem stated on it, on the mathematical representations necessary to solve that problem, and on the kind of computer facilities and tools available to perform the simulation. Thus, the scope of this track covers theoretical and technical topics of M&S methodologies, as well as their role in application fields. Papers are welcome on the following:

TOPICS:

Continuous, Discrete, Switched and Hybrid Systems.
Distributed Parameter Systems. Large Scale Systems,
Order Reduction and Model Simplification.
Numerical Methods, Formal Manipulation, Computer
Algebra and Automatic Differentiation.
Parallel & Distributed Simulation, Real-Time Simulation
M&S Languages and Standards, Software and Tools,
User Interfaces. Education.

APPLICATION FIELDS:

Biomechanics and Prosthetics, Biotechnologies Biomedical
Engineering. Agrotechnology and Food Industry, Chemical
Engineering, Process Control, Nuclear Engineering. Computational
Hydrology and Hydraulics. Computer Networks, Distributed
Computer Control Systems,. Transportation Systems. Electronics,
Electrical and Power Systems. Car Industry, Mechanical Systems,
Robotics and Mechatronics. Meteorology and Weather Forecasting,
Environmental Sciences.

IMPORTANT DATES

Full Paper Submission:	January 30, 2006
Acceptance Notification:	March 8, 2006
Registration & Camera-Ready Manuscripts Conference	April 10, 2006 May 28-31, 2006

FURTHER INFORMATION

Please contact the **TRACK ORGANISERS:**

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PAPER SUBMISSION

Original papers on your recent unpublished research, written in English, are asked for consideration on the basis of a full paper review by at least two IPC-members of the track.. Please submit an electronic copy of your **full manuscript** (pdf or ps format) to the Track Chair above, with “*ECMS 2006, METH Track*” as your email’s subject, clearly indicating the corresponding author.

Submissions are accepted either in the final paper format or as double-spaced drafts of about 12-17 pages. For information on how to prepare final submissions, please visit the conference website at:

<http://www.scs-europe.net/conf/ecms2006/> or at <http://www2.inf.fh-brs.de/ESM2006/>.

Submitting a paper implies the willingness of at least one of the authors to register and to present the paper, if it is accepted. Accepted contributions to the track will be included in the conference proceedings. Moreover, the authors of the best papers will be invited to submit an elaborated manuscript for possible inclusion in a special issue of an international journal.

We look forward to receiving your paper(s) and to welcome you at the ECMS 2006.