

30th European Conference on Modelling and Simulation Jubilee Conference

ECMS 2016

Regensburg, Germany, May 31st – June 3rd, 2016

Join the leading scientific forum for European simulationists

The [European Conference on Modelling and Simulation \(ECMS\)](#) is the annual conference of the European Council for Modelling and Simulation, an independent forum of European academics and practitioners dedicated to research, development, and applications of modelling and simulation. The [ECMS 2016](#) is hosted by the [Ostbayerische Technische Hochschule Regensburg](#): Eight faculties offer a wide diversity of study options in engineering, business studies, the social sciences and design. Numerous study options, a wide choice of general-education subjects including languages and soft skills, plus further training programmes which can be taken alongside the main course of study offer an opportunity to create a personal study profile tailored to the individual's talents and affinities. In Bavaria for example, Mathematics, Microsystems Technology, Production Engineering and Automation and Technical Computer Science can only be studied at OTH Regensburg.



OTH Campus

Theme:

The human capacity to abstract complex systems and phenomena into simplified models has played a critical role in the rapid evolution of our modern industrial processes and scientific research. As a science and an art, Modelling and Simulation have been one of the core enablers of this remarkable human trace, and have become a topic of great importance for researchers and practitioners. The increasing availability of massive computational resources and interconnectivity has helped fuel tremendous advances in the field, collapsing previous barriers and redefining new horizons for its capabilities and applications.

To do so, we intend to cover the following areas (please understand the list under the topics as examples):

- **Optimization Models**
Operations and Business Processes, Technological Devices and Processes and in Finance, Economics, Logistics as well as Social Sciences.
- **Simulation Analysis and Models**
Operations and Business Processes, Control of Technological Processes, Electrical, Electronic and ElectroMechanical Engineering, of Finance and Economics and Social Science combined with Policy Modelling, Complex Systems & Methodologies, Monte Carlo simulation, Statistical analysis of simulation output and sensitivity analysis, Simulation Models like analytical simulation modeling, discrete event simulation models, Credible simulation models, Simulation metamodels and others, Model based system prediction, Practical applications on process simulations.
- **Tools & Techniques:**
Especially Intelligent Systems, Agent-based Simulation, Simulators for Virtual Prototyping and Training, effectively operating Simulation&Optimization Architectures, Executable simulation models, Simulation methodologies, Simulation mechanisms, Model based system prediction, Simulation tools and platforms, Simulations in advanced environments.

Call for contributions:

The European Conference on Modelling and Simulation is the international conference dedicated to help define the state of the art in different fields involved in creating, defining and building innovative simulation systems, simulation and modelling tools and techniques, and novel applications for modelling and simulation. Prospective authors are invited to submit high-quality papers representing original results in all related areas of modelling and simulation. Published papers will be indexed by [DBLP](#), [ISI](#), [INSPEC](#), [SCOPUS](#) and [DOI](#). An author of each accepted paper must register and present the paper at the conference. Detailed instructions for submission are available on the conference website:

<http://www.scs-europe.net/conf/ecms2016/index.html>

Best paper awards:

All submitted papers will be evaluated for the Best Conference Paper Award.

Local attractions:

Located on the most northern bend of the Danube River, the Old Town of Regensburg with "Stadtamhof" is an exceptional example of a central-European medieval trading centre, which illustrates an interchange of cultural and architectural influences. Because of the city's unique status as "the only authentically preserved large medieval city in Germany" the Old Town of Regensburg with "Stadtamhof" was inscribed as a UNESCO World Heritage Site in 2006. Even before it was nominated as a World Heritage Site, Regensburg was a popular tourist destination because of its many medieval towers and pedestrian friendly alleys that wind their way through the protected old town. In addition to its historical treasures, dating back to the first settlements around 90 B.C., Regensburg provides an array of shops and restaurants, as well as countless cultural and leisure activities. With over 140,000 inhabitants, Regensburg, which is known for its institutions of higher education, is the fourth-largest city in the state of Bavaria.

Detailed Information can be found under <http://www.regensburg.de/tourismus/Home/3854>

Important dates:

Submission of Full-Length Papers (up to 7 pages):

Notification of Paper Acceptance:

Submission of Final Papers:

Conference dates in Regensburg:

12th February, 2016

16th March, 2016

12th April, 2016

May 31st- June 3rd, 2016

Social activities:

A number of social events will be prepared for the conference participants. Besides the numerous opportunities to visit the sights in the Old Town of Regensburg on one's own with the included bus ticket and the short walk ways, the local organization committee will arrange a reception with the mayor of Regensburg, and a visit to the Weltenburg Abbey. The highlight will be the conference dinner on the ship "Kristallprinzessin" (crystal princess) cruising the Danube River through the beautiful city.

Submissions and registration fee:

For paper submissions, please check: <http://www.scs-europe.net/conf/ecms2016/deadlines.html>

For any question you might have, please email to: ecms@scs-europe.net

The conference registration fee includes proceedings (printed and on CD), reception, lunches, coffee breaks, and the conference dinner.

Fee for authors/participants who have been registered in ECMS 2009 - ECMS 2015

€ 425

Student participants with paper

€ 350

New Participants or new authors

€ 475

ECMS 2016 Conference and Programme Chairs

Thorsten Claus - **Frank Herrmann** - **Michael Manitz** - **Oliver Rose**

