

## Location

The conference will take place at the Chalmers University of Technology, Göteborg, Sweden

## Registration Fees

The registration fees, including social events, with early registration applicable if received before July 13, 2007 are:

	Early	Late
Delegates	480 €	550 €
Students	250 €	290 €
ECCOMAS members	400 €	480 €

The fees will include:

- Conference Proceedings
- Attendance at all scientific sessions
- Coffee breaks, reception and banquet

## Social Programme

A social programme for delegates will be arranged, including a reception and a banquet at a local place of interest, as well as a social programme for accompanying persons.

## Accommodation

The organizers have arranged block reservations with hotels close to the conference site. Details can be found on the website.

## Conference Secretariat

International Center for Numerical Methods in Engineering (CIMNE), Edificio C1, Campus Norte UPC, Gran Capitán s/n, 08034 Barcelona, Spain  
Phone +34 934017441 Fax +34 934016517  
email: [admos@cimne.upc.edu](mailto:admos@cimne.upc.edu)  
<http://congress.cimne.upc.es/admos07>

## Supporting Organisations

- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- Chalmers University of Technology, Göteborg, Sweden
- Universitat Politècnica de Catalunya

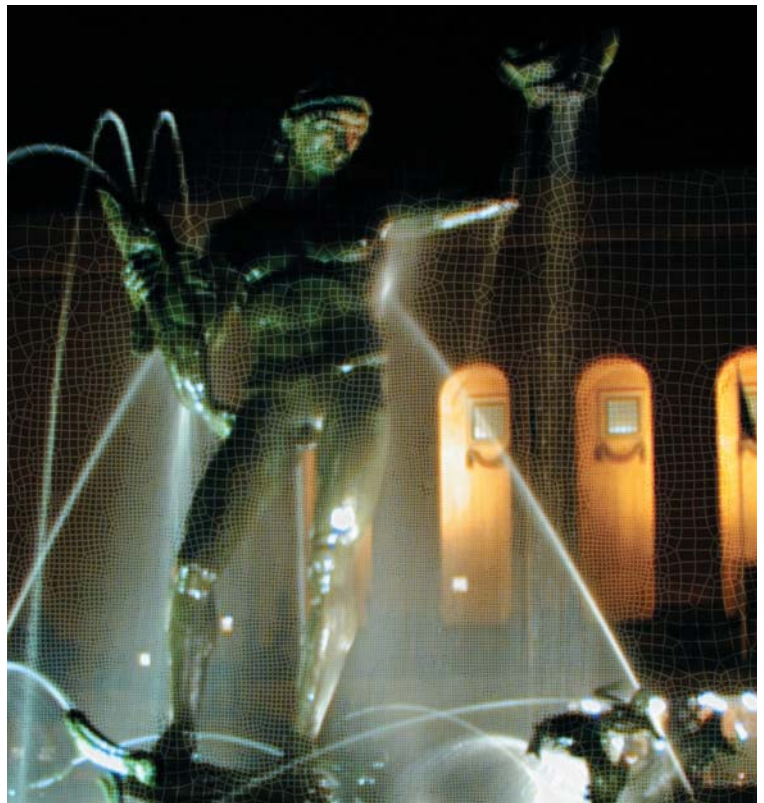


# ADMOS 2007

## International Conference on Adaptive Modeling and Simulation

October 22-24, 2007, Göteborg, Sweden

An IACM Special Interest Conference



<http://congress.cimne.upc.es/admos07>

## Objectives

A major challenge in Computational Mechanics is to ensure that the end results of analyses and simulations satisfy predefined quality requirements. The assessment of both the quality of the model (validation) and the quality of the numerical scheme (verification) are important to guarantee the level of accuracy of the final solution. Due to the ever increasing complexity of models used in engineering practice, requiring increasingly time-consuming analysis, it is crucial that the computational cost of producing results is optimized with respect to the required accuracy. This calls for truly adaptive procedures in choosing the mathematical model as well as the discretization inherent in the computational method.

The objective of the ADMOS 2007 conference on Adaptive Modeling and Simulation is to present and discuss the current state-of-the-art developments in the field. Adaptivity is ever more integrated in the industrial practice of Computational Mechanics. Consequently, ADMOS is encouraging and devoting special interest to contributions on industrial applications of adaptive strategies.

Previous meetings in the ADMOS series were held in Göteborg in 2003 and in Barcelona in 2005. Following the two successful conferences, clearly demonstrating the wide-spread interest in this theme, the third edition of ADMOS will take place at Chalmers University of Technology, in Göteborg (Sweden).

## Conference Topics

- Verification and validation
- Error estimates (bounds, goal-oriented, space/time)
- Adaptive techniques (h, p, r, model)
- Numerical methods (FEM, BEM, FDM, Meshless, Finite Volumes)
- Meshing and remeshing
- Equation solvers (iterative, parallel, multigrid, preconditioning)
- Optimization
- Inverse identification and parameter identification
- Adaptive design loop, integration with CAD and VR
- Applications (solids, structures, fluids, acoustics, electromagnetics, environmental, multifield, multi-scale)
- Industrial and engineering applications

## Conference Chairmen

**K. Runesson**, Chalmers University of Technology, Sweden  
**P. Díez**, UPC, Spain

## Honorary Chairmen

**N.-E. Wiberg**, Chalmers University of Technology, Sweden

## Conference Manager

**F. Larsson**, Chalmers University of Technology, Sweden

## Technical Advisory Panel

<b>P. Beckers</b> , Belgium	<b>J.P. Moitinho</b> , Portugal
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<b>K. Mathisen</b> , Norway	<b>P. Wriggers</b> , Germany

## An ECCOMAS Thematic Conference

ADMOS 2007 is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS) and it has been promoted by the European Committee in Solids and Structural Mechanics (ECSSM) of ECCOMAS. For further information on ECCOMAS visit: [www.eccomas.org](http://www.eccomas.org)

ADMOS 2007 is also an IACM special interest conference. More information about IACM: [www.iacm.info](http://www.iacm.info)

## Call for Papers

One page abstracts of contributions related to the topics of the conference are invited to be submitted by March 25, 2007. Authors have to register and submit their abstracts via the Conference Web Site. Notification of acceptance will be given by April 25, 2007. Then, the format for the extended abstracts to be published in the conference proceedings will be sent to the authors and included in the web page. In order to produce the proceedings in time for distribution to the delegates at the conference, extended abstracts will be required by July 31, 2007.

## Important Dates

Deadline for presenting a one page abstract	March 25, 2007
Acceptance of the paper and instructions for writing an extended abstract	April 25, 2007
Deadline for submitting the full paper and early payment	July 31, 2007
Booking of hotel accommodation	as soon as possible