

## Complas 2011

7-9 September 2011, Barcelona, Spain

### Conference Secretariat

International Center for Numerical Methods  
in Engineering (CIMNE)

CIMNE - Congress Management Department

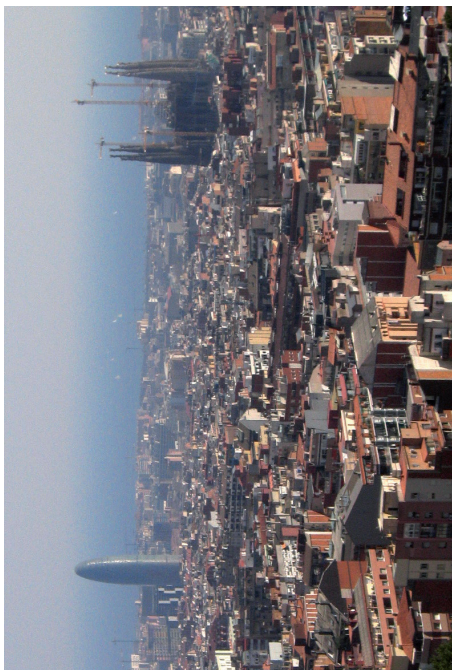
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<http://congress.cimne.com/complas2011>



## An ECCOMAS Thematic Conference

COMPLAS XI is one of the Thematic Conferences of the European Community in Computational Methods in Applied Sciences (ECCOMAS) For further information on ECCOMAS visit:

[www.eccomas.org](http://www.eccomas.org)

COMPLAS XI is also an IACM Special Interest Conference. More information about IACM in: [www.iacm.info](http://www.iacm.info)

## Location

The Conference will take place at the Campus Nord of the Technical University of Catalonia (UPC), Jordi Girona 1-3 (08034) Barcelona.

## Registration Fees

The registration fees in euro, including social events, with early registration applicable if received before May 20th, 2011 are:

	Early	Late
<b>Delegates</b>	490 €	590 €
<b>Students</b>	290 €	350 €

ECCOMAS and IACM members will have a 5% reduction on the delegates fees.

The delegate 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 will arrange block reservations in different hotel categories, offering special rates to the COMPLAS XI participants. More information will be soon available.

## Supporting Organisations

- European Community on Computational Methods in Applied Sciences (ECCOMAS)
- International Association for Computational Mechanics (IACM)
- International Center for Numerical Methods in Engineering (CIMNE)
- Universitat Politècnica de Catalunya



**Thematic Conference**

# Complas XI

## XI International Conference on Computational Plasticity Fundamentals and Applications

7-9 September 2011, Barcelona, Spain

An IACM Special Interest Conference



<http://congress.cimne.com/complas2011>

## Objectives

Previous meetings in the COMPLAS series were held in Barcelona in 1987, 1989, 1992, 1995, 1997, 2000, 2003, 2005, 2007 and 2009. The first ten conferences in the series were technically and academically successful and these meetings have become established events in the field of computational plasticity. We intend to make of COMPLAS XI a landmark in the history of the COMPLAS conferences.

The objectives of COMPLAS XI are to address both the theoretical bases for the solution of plasticity problems and the numerical algorithms necessary for efficient and robust computer implementation. COMPLAS XI aims to act as a forum for practitioners in the field to discuss recent advances and identify future research directions.

COMPLAS XI is included as one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS). It is also supported, among other scientific organisations in Europe and worldwide, by the International Association for Computational Mechanics (IACM).

## Conference Topics (the list is not exhaustive)

- Advanced Material Models
- Biomechanics and Bio-Medicine
- Composites
- Contact Problems
- Damage, Fracture and Fatigue
- Environmental and Geosciences
- FEM, Discrete Element Methods, Particle Methods, Meshless Methods, etc.)
- Forming Processes Simulations
- Granulation Processes
- High Velocity Impact
- Industrial Applications
- Innovative Computational Methods (FEM, Discrete Element Methods, Particle-Based Methods, Meshless Methods, etc.)
- Multi-Body and Non-Linear Dynamics
- Multi-Fracturing Solids
- Multi-Physics Problems
- Multi-Scale Material Models
- Nano-Mechanics
- Parallel and Real Time Computing Techniques

## Important Dates

Deadline for presenting one page abstract **17 December 2010**

Acceptance of the contributions and instructions for writing an extended abstract **21 January 2011**

Deadline for submitting an extended abstract and early payment **20 May 2011**

Booking of hotel accommodation **soon available in the web**

## Organising Committee

D.R.J. Owen (Chairman), Swansea University, UK

E. Oñate (Co-Chairman), Univ. Politècnica de Catalunya, Spain

## Co-chairmen

D. Peric, Swansea University, UK

B. Suárez, Univ. Politècnica de Catalunya, Spain

## Advisory Scientific Committee

C. Agelet de Saracibar, Spain

M. Akiyama, Japan

O. Allix, France

C. Andrade, Spain

F. Armero, USA

E. Artioli, Italy

A. H. Barbat, Spain

K-J. Bathe, USA

Z. Bazant, USA

T. Belytschko, USA

R. de Borst, The Netherlands

R.I. Borja, USA

M. Cervera, Spain

J. César de Sá, Portugal

J.L. Chenot, France

F. Chinesta, France

E. Cueto, Spain

M. Doblaré, Spain

F. Dufour, France

E. Dvorkin, Argentina

R. Feijoo, Brazil

A. Gens, Spain

J. M. Goicolea, Spain

G. Holzappel, Austria

A. Huerta, Spain

A. Ibrahimbegovic, France

M. Kleiber, Poland

B. Kröplin, Germany

P. Ladevèze, France

W.K. Liu, USA

T. Laursen, USA

G. Maier, Italy

H. Mang, Austria

A. Mari, Spain

P. Marovic, Hungary

H. Matthies, Germany

C. Miehe, Germany

N. Moës, France

H. Naceur, France

R. Natal, Portugal

R. Ohayon, France

S. Oller, Spain

J. Oliver, Spain

M. Ortiz, USA

M. Papadarakakis, Greece

M. Pastor, Spain

D. Peric, UK

G. Pijaudier-Cabot, France

J.-Ph. Ponthot, Belgium

E. Ramm, Germany

B.D. Reddy, South Africa

P. Roca, Spain

T. Rodic, Slovenia

A. Rodríguez-Ferran, Spain

K. Runesson, Sweden

K. Saanouni, France

B. Schrefler, Italy

E. Stein, Germany

S.W. Sloan, Australia

T. Takaki, Japan

R.L. Taylor, USA

V. Tvergaard, Denmark

M. Vaz, Brazil

N.E. Wiberg, Sweden

K. Willam, USA

P. Wriggers, Germany

G. Yagawa, Japan

N. Zabarar, USA

View of Barcelona old harbour



## COMPLAS XI

Barcelona, Spain, 7-9 September 2011

## How to register and submit contributions

Authors are invited to submit their contributions on any of the conference topics. Submission of contributions and conference registration should be performed electronically via the conference web site.

<http://congress.cimne.upc.es/complax2011>

## Location

The Conference will take place at the Technical University of Catalonia (UPC), Vertex Building, Plaza Eusebi Güell 6, 08034 Barcelona, Spain.