

Complas XII

3 - 5 September 2013, Barcelona, Spain

Conference Secretariat

International Center for Numerical Methods in Engineering (CIMNE)

Congress Management Department (CMD)

Campus North UPC

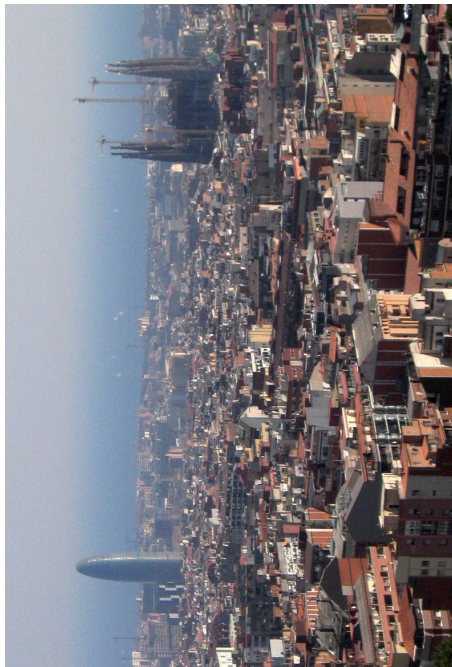
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<http://congress.cimne.com/complas2013>



The old and the new in Barcelona skyline

ECCOMAS and IACM support

COMPLAS XII is one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS): www.eccomas.org

COMPLAS XII is also a Special Interest Conference of the International Association for Computational Mechanics (IACM): www.iacm.info

Registration Fees

Registration fees are expressed in Euro. **Early registration applicable if paid before 20 May 2013.**

	Early	Late
Delegates	490 €	590 €
Students	350 €	410 €

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

Registration fees include: Conference proceedings, attendance at all scientific sessions, coffee breaks, reception and banquet.

Social Programme

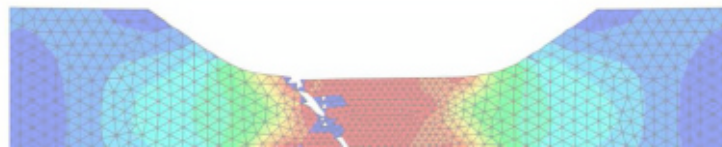
A social programme for delegates will be arranged, including a reception and a banquet at a local place of interest, as well as a social programme for accompanying persons.

Accommodation

The organizers will arrange block reservations in different hotel categories, offering special rates to the COMPLAS XII 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 (UPC)
- Swansea University



Complas XII

XII International Conference on Computational Plasticity Fundamentals and Applications

3 - 5 September 2013, Barcelona, Spain

An IACM Special Interest Conference



<http://congress.cimne.com/complas2013>

Objectives

The objectives of the 12th edition of the Complas conference series 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 XII** aims to act as a forum for practitioners in the field to discuss recent advances and identify future research directions.

COMPLAS XII will be included as one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS). It will also be supported by other scientific organisations in Europe and worldwide including 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

Location

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

About Barcelona

The Barcelona of the 21st. Century is a European capital of astonishing cultural energy and a passion for progress, a city whose day-to-day life brings together every imaginable facet of the most diverse activities: these are the potential that has fashioned the city's present and give it the impetus to move forward into the future.

Conference Co-chairmen

Eugenio Oñate, Universitat Politècnica de Catalunya, Spain

Roger Owen, Swansea University, U.K.

Djordje Peric, Swansea University, U.K.

Benjamín Suárez, Universitat Politècnica de Catalunya, Spain

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

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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. Holzapfel, Austria

A. Huerta, Spain

A. Ibrahimbegovic, France

M. Kleiber, Poland

P. Ladevèze, France

W.K. Liu, USA

T. Laursen, USA

G. Maier, Italy

H. Mang, Austria

P. Marovic, Croatia

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. Papadrakakis, 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. Rodriguez-Ferran, Spain

K. Runesson, Sweden

K. Saanouni, France

B. Schrefler, Italy

E. Stein, Germany

S.W. Sloan, Australia

R.L. Taylor, USA

V. Tvergaard, Denmark

M. Vaz, Brazil

N.E. Wiberg, Sweden

K. Willam, USA

P. Wriggers, Germany

G. Yagawa, Japan

N. Zabaras, USA

Important Dates

Deadline for presenting one page abstract **17 December 2012**

Acceptance of the contributions **25 January 2013**

Deadline for submitting an extended abstract and early payment **20 May 2013**

View of Barcelona old harbour



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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.

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