

# ACE-X 2008

# BARCELONA

14-15 July 2008

SPAIN

## 2nd International Conference on Advanced Computational Engineering and Experimenting

Dear Colleagues,

It is our great pleasure to invite you to attend the 2nd International Conference on Advanced Computational Engineering and Experimenting, ACE - X2008, which will be held in the exciting city of Barcelona, Spain, from 14 - 15 July, 2008.

ACE - X2008 will offer a high quality scientific programme with an exciting programme of invited speaker lectures featuring some of the world's leading experts in the field. Submitted abstracts will be selected for oral presentation, poster session or special session.

- 3 Short courses will take place on 13<sup>th</sup> July.

Barcelona is well known for its creativity, vivacity and Mediterranean style! The city is one of the most exciting in the world and for sure Barcelona will attract many participants. The city offers many opportunities for sight-seeing, with architectural wonders, beautiful parks and inspirational museums and beaches.

We hope that you will be able to join us for what promises to be an exciting meeting, both scientifically and culturally, and we look forward to seeing you in Barcelona!

ACE - X2008 Organisers:

**Prof. Dr. -Ing. Andreas Öchsner**  
UTM - Malaysia  
**Dr. Lucas da Silva**  
FEUP - Portugal

# CALL FOR PAPERS:

### ACE-X 2008 TOPICS:

- Numerical methods
- Mathematical foundations
- Material modelling and constitutive relationships
- Homogenisation and localisation
- Plasticity
- Impact and crash
- Damage and fracture
- Composites and multiphase materials
- Experimental methods
- Transport phenomena
- Fluid-structure interaction
- Porous and cellular materials
- Nanomechanics
- Dynamic
- Biomechanics

### Short Courses:

Modelling and Testing of Cellular Materials  
by **Prof. Dr. -Ing. A. Öchsner**

Structural Analysis in Vehicle Engineering  
by **Prof. Dr. -Ing. M. Merkel**

Structural Hybrid Materials: Biomimetism and Bioinspiration  
by **Prof. Dr. J.C. Suárez Bermejo**

Abstract Submission Deadline	15 March 2008
Notifications of Acceptance	30 March 2008
Accommodations Reservation	20 April 2008
Early Bird Registration	15 April 2008
Short Courses	13 July 2008
ACE-X	14-15 July 2008

### Special Session: ADHESIVE BONDING

Organised by:

**Dr. Lucas Filipe Martins da Silva**  
University of Porto - PORTUGAL

and

**Prof. Juan Carlos Suárez Bermejo**

Universidad Politécnica de Madrid - SPAIN

More details: [www.ace-x2008.com](http://www.ace-x2008.com)

### GENERAL INFORMATION :

**Location:** Barcelona, Spain

**Dates:** 14-15 July 2008 (Short course on 13 July)

**Language:** English is the official conference language

More information: [www.ace-x2008.com](http://www.ace-x2008.com)

**Contact:**

[info@ironix-conferences.com](mailto:info@ironix-conferences.com)

### PLENARY SPEAKERS

**Professor Horacio Dante Espinosa**  
Northwestern University - USA

**"In-Situ Electron Microscopy Testing of Nanostructures"**

**Professor D.R.J. Owen**

University of Wales Swansea - UK

**"Computational Modelling of Multi-Field and Multi-Physics Problems"**



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