



8-9 July 2010 Paris France



YOUNG SCIENTIST AWARDS
SPONSORED BY SPRINGER

Organisers:

Prof. Andreas Öchsner (chair)
Universiti Teknologi Malaysia , Malaysia

Prof. Lucas da Silva (co-chair)
University of Porto, Portugal

Prof. Dr.-Ing H. Altenbach (co-chair)
Martin-Luther-Universität Halle-Wittenberg, Germany

Abstract Submission Deadline
22 March 2010

ACE-X 2010
Paris - FRANCE 

OPENING PLENARY LECTURE:

Professor J. N. Reddy
Texas A&M University,
USA

07 July, 2010:

SHORT COURSE N.1

**Elasto-Plastic Material Behaviour: Continuum
Mechanical Modelling and Finite Element Implementation**

SHORT COURSE N.2

Predicting the durability of adhesive bonded joints

PUBLICATION:

- JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY

- THE JOURNAL OF ADHESION

- MATERIALS SCIENCE AND ENGINEERING TECHNOLOGY

- COMPOSITE STRUCTURES

Papers will be selected to be submitted for this journal

- INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES

- CONTINUUM MECHANICS AND THERMODYNAMICS

selected papers related to (multiscale) modelling of novel phenomema in materials

- KEY ENGINEERING MATERIALS

ACE-X 2010 – OFFICIAL JOURNAL

BOOK – PUBLICATION:

Selected contributions will be chosen for a Monograph, by Springer in German, on:

- ‘DAMAGE AND FRACTURE OF COMPOSITES MATERIALS AND STRUCTURES’
- ‘SCIENTIFIC VISUALIZATION AND IMAGING SYSTEMS’
- ‘ADVANCED STRUCTURED MATERIALS’

SPECIAL SESSIONS ON:

(SS1) ‘SCIENTIFIC VISUALIZATION AND IMAGING SYSTEMS’

Prof. Fabiana R. Leta (organizer)
Federal University Fluminense,
Brazil

(SS2) ‘ADHESIVE BONDING’

Prof. Lucas FM da SILVA (organizer)
University of Porto,
Portugal

Prof. Jean-Yves Cognard (organizer)
ENSIETA,
France

(SS3) ‘BIOMECHANICS’

Prof. Saïed Darwish (organizer)
King Saud University,
Saudi Arabia

(SS4) ‘DAMAGE AND FRACTURE OF COMPOSITE MATERIALS AND STRUCTURES’

Prof. M.N. Tamin (organizer)
Universiti Teknologi Malaysia,
Malaysia

(SS5) ‘NUMERICAL MODELING OF MATERIALS UNDER EXTREME CONDITIONS’

Prof. Nicola Bonora (organizer)
Università di Cassino,
Italy

Dr. Eric N Brown (organizer)
Los Alamos National Laboratory,
USA

AREAS:

- Material modelling and constitutive relationships
- Homogenisation and localisation
- Plasticity
- Impact and crash
- Damage and fracture
- Transport phenomena
- Fluid-structure interaction
- Nanomechanics
- Dynamic
- Biomechanics

MATERIALS:

- Composites and multiphase materials
- Porous and cellular materials
- Adhesive Science and Technology
- Advanved Materials
- Nanomaterials
- Biomaterials

METHODS:

- Numerical methods
- Mathematical foundations
- Experimental methods

Contact:

ACE-X 2010 SECRETARIAT AND MANAGEMENT:
Dr. Joanna Molek
Ironix Global Events Consulting Lda

SCIENTIFIC COMMITTEE

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UK

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(Head of Local Committee)
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