



ACE-X 2009 CONFERENCE

22-23 June, 2009 / Rome, Italy

3rd International Conference on Advanced Computational Engineering and Experimenting, Grand Hotel Palazzo Carpegna, Rome - ITALY



PUBLICATION

- JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY
<http://www.brill.nl/jast>
- MATERIALS SCIENCE AND ENGINEERING TECHNOLOGY
<http://www.wiley-vch.de/publish/en/journals/alphabeticIndex/2012/>
- THE JOURNAL OF ADHESION
<http://www.tandf.co.uk/journals/titles/00218464.asp>
- INTERNATIONAL JOURNAL OF NANO AND BIOMATERIALS (IJNBMI)
<http://www.inderscience.com/>
- INTERNATIONAL JOURNAL OF MULTIPHYSICS
www.multiphysics.org
- EXPERIMENTAL MECHANICS
<http://www.springerlink.com/content/1741-2765/>
- ARCHIVES OF METALLURGY AND MATERIALS
<http://www.imim.pl/archives>
- INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES
http://www.elsevier.com/wps/find/journaldescription.cws_home/30430/description#description
- INTERNATIONAL JOURNAL FOR COMPUTATIONAL METHODS (IJCM)
<http://www.worldscinet.com/ijcm/mkt/editorial.shtml>

TOPICS for ACE-X2009:

Areas:

- Material modelling and constitutive relationships
 - Homogenisation and localisation
 - Plasticity
 - Impact and crash
 - Damage and fracture
 - Transport phenomena
 - Fluid-structure interaction
 - Nanomechanics
 - Dynamics
 - Biomechanics
- ### Materials:
- Composites and multiphase materials
 - Porous and cellular materials
 - Adhesive Science and Technology
 - Advanced Materials
 - Nanomaterials
 - Biomaterials
- ### Methods:
- Numerical methods
 - Mathematical foundations
 - Experimental methods

Opening Lecture:

'Bringing Engineering into Sports: Examples taken from Tennis and Golf'
Professor Rudrapatna V. RAMNATH,
Massachusetts Institute of Technology, MIT-USA (Honorary ACE-X Chairman)

Plenary Lecture:

'Adhesive bonding; from ancient history to current challenges'
Professor Bob ADAMS,
University of Bristol, UK

Plenary Lecture:

'Numerical modeling of complex structures: shells and cells'
Professor J. N. REDDY,
Texas A & M University, USA
(Distinguished Professor and Oscar S. Wyatt Endowed Chair)

on 21st June,
✓ 6 Short Courses

SPECIAL SESSION I: ADHESIVE BONDING

SPECIAL SESSION II: BIOMECHANICS

ABSTRACT SUBMISSION DEADLINE: 27 March 2009