



# ACE-X 2009 CONFERENCE

22-23 June, 2009 / Rome, Italy

3<sup>rd</sup> 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](http://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](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 21<sup>st</sup> June,  
✓ 6 Short Courses

SPECIAL SESSION I: ADHESIVE BONDING

SPECIAL SESSION II: BIOMECHANICS

**ABSTRACT SUBMISSION DEADLINE: 27 March 2009**