

# CST-2010

## THE TENTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL STRUCTURES TECHNOLOGY VALENCIA, SPAIN-14-17 SEPTEMBER 2010

### **SESSION: CST2010-S6** **COMPOSITES AND ADAPTIVE STRUCTURES: MODELING; SIMULATION AND TESTING.**

Organizer: C. M. Mota Soares

**The Tenth International Conference on Computational Structures Technology** (<http://www.civil-comp.com/conf>) will be held in Valencia, Spain, from 14-17 September 2010. Within this Conference several SESSIONS will be organized.

I would like to invite you to present your research work on the Session **CST2010-S6-*COMPOSITES AND ADAPTIVE STRUCTURES: MODELING, SIMULATION AND TESTING.***

The SESSION will cover, but not limited to, the following topics:

- Laminated Beams, Plates and Shells and Adaptive Structures, with Active, Passive and Hybrid Damping
- Mechanics of Composite and Adaptive Structures
- Finite Element Models for Laminated Composite/Adaptive Structures
- Design Optimization Methodologies for Composite and Adaptive Structures
- Identification of Mechanical and Piezoelectric Properties, Homogenization
- Smart, Multifunctional and Ceramic Composites
- Structural Health Monitoring
- Nanocomposites
- Sandwich Structures
- Infrastructure, Concrete Structures, Grading Structures
- Experimental Investigations, Manufacturing, Rehabilitation
- Analytical Studies, Damage Studies, Low Velocity Impact
- Materials
- Buckling/Post Buckling
- Fasteners/Bonding, Transportation, Applications.
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Please **respond to the organizer by email indicating your interest, tentative title of the paper, authors, affiliations and addresses as soon as possible.** The deadline for online submission of the abstracts, indicating the name of the SESSION is: 15th November 2009.

The authors of the papers presented on CST10 may submit, after the Conference, extended version of their papers for possible publication on Special Issues of Computers & Structures and Advances in Engineering Software.

The Organizer:

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