

Objectives

The scope of the **IV ECCOMAS Thematic Conference on the Mechanical Response of Composites** is the scientific investigation of complex mechanical behaviour of composite materials and structures. The conference focuses mainly on theoretical and numerical modelling and prediction of the performance of composite components, covering also experimental validation and challenging industrial applications of recent developments.

Conference Topics

Dynamics
Continuum Damage Mechanics
Fracture Mechanics
Micromechanics
Progressive Failure Analysis
Fatigue
Impact
Stability
Delamination
Structural Health Monitoring
Model Identification
Virtual Testing
Probabilistic Methods
Meshless Methods, and Novel Numerical Methods
Multi-Scale Modelling
Reduced Order Models
Optimization
Mechanics of Composite and Sandwich Structures
Multifunctional Materials
Nanocomposites
Prepreg and Textile Composites
Novel Materials

The organizers are grateful to the University of the Azores for hosting the conference and for all the logistic support



UNIVERSIDADE DOS AÇORES



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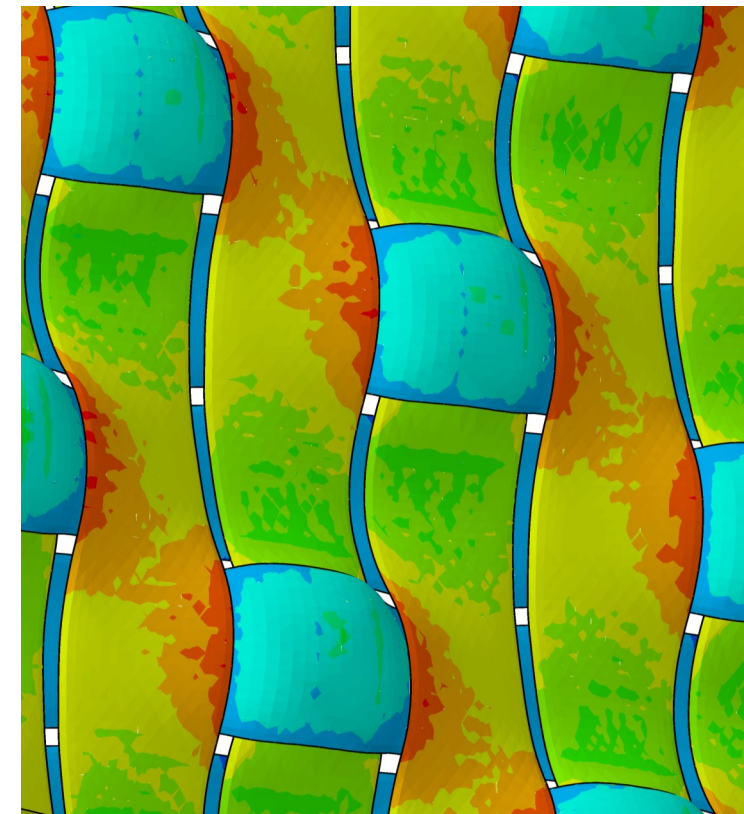
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Composites 2013

IV ECCOMAS Thematic Conference on the
Mechanical Response of Composites

S. Miguel, Azores, Portugal, 25-27 September 2013



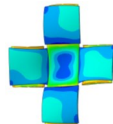
Organizing Committee

Afzal Suleman (Co-Chairman), IDMEC/IST, Portugal and U. Victoria, Canada
Pedro Camanho (Co-Chairman), University of Porto, Portugal

Aurélio L. Araújo, IDMEC/IST, Portugal
Carlos A. Mota Soares, IDMEC/IST, Portugal
Cristóvão M. Mota Soares, IDMEC/IST, Portugal

Scientific Committee

S. Adali, University of Kwazulu-Natal, South Africa
O. Allix, École Normale Supérieure de Cachan, France
A. Apicella, Alenia, Italy
L. Asp, Swerea SICOMP, Sweden
C. Bisagni, Politecnico di Milano, Italy
A. Corigliano, Politecnico di Milano, Italy
J. Costa, Universitat de Girona, Spain
C. G. Davila, NASA Langley Research Center, USA
R. de Borst, University of Glasgow, United Kingdom
M. de Freitas, Universidade Técnica de Lisboa, Portugal
A. Ferreira, Universidade do Porto, Portugal
K. Gamstedt, Swerea SICOMP, Sweden
J. M. Guedes, Universidade Técnica de Lisboa, Portugal
S. Hallett, University of Bristol, United Kingdom
L. Iannucci, Imperial College, United Kingdom
A. Kaddour, QinetiQ, United Kingdom
M. Kawai, University of Tsukuba, Japan
A. Kling, German Aerospace Center, Germany
J. Llorca, Universidad Politécnica de Madrid, Spain
S. Lomov, Katholieke Universiteit Leuven, Belgium
E. Lund, Aalborg Universitet, Denmark
A. T. Marques, Universidade do Porto, Portugal
N. McCartney, National Physical Labor, United Kingdom
P. Middendorf, Eurocopter Group, Germany
E. Morozov, University of New South Wales, Australia
E. Oñate, Universitat Politècnica de Catalunya, Spain
F. Paris, Universidad de Sevilla, Spain
S. T. Pinho, Imperial College, United Kingdom
J. N. Reddy, Texas A&M University, USA
J. J. C. Remmers, Technische Universiteit Eindhoven, Netherlands
H. C. Rodrigues, Universidade Técnica de Lisboa, Portugal
R. Rolfes, Leibniz Universität Hannover, Germany
K. Schulte, Technische Universität Hamburg-Harburg, Germany
R. R. Talreja, Texas A&M University, USA
A. Turon, Universitat de Girona, Spain
R. Vaziri, University of British Columbia, Canada
A. M. Waas, University of Michigan, USA
M. R. Wisnom, University of Bristol, United Kingdom



Invited Lecturers

Pierre Ladeveze, L.M.T. Cachan, France
Anoush Poursartip, University of British Columbia, Canada
Ignas Verpoest, Katholieke Universiteit Leuven, Belgium
Yuris Dzenis, University of Nebraska-Lincoln, USA

Important dates

~~January 31st 2013~~ **February 15th 2013**

Abstract submission deadline

March 15th 2013

Author notification

June 30th 2013

Early payment deadline

July 31st 2013

Full paper and author registration payment deadline

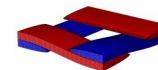
Registration fees (EUR)

	Early	Late
Full (non IACM or ECCOMAS member)	500	600
Full (IACM or ECCOMAS member)	450	550
Student	300	400
Accompanying person	200	200

The **full** and **student** registration fee covers: Conference Proceedings, Lunch and Coffee Breaks, Welcome Reception, Conference Dinner and Tour to S.Miguel island.

The **accompanying person** registration fee includes: Lunches, Welcome Reception, Conference Dinner and Tour to S. Miguel island.

The **presenting author** of each paper must have registered by **July 31st 2013** for the paper to be included in the proceedings and scheduled for presentation.



Instructions for authors

Papers are invited which address topics within the key subject areas. The presentations and all written material will be in English.

Prospective authors are invited to submit a two page abstract by January 31st 2013 to the conference secretariat by email to:

composites2013@dem.ist.utl.pt

Full papers (max. 20 pages) corresponding to accepted abstracts will be due by **July 31st 2013**.

For templates and further information, please visit the conference website:

<http://www1.dem.ist.utl.pt/composites2013>

Venue

The conference will take place in the campus of the **University of the Azores at Ponta Delgada, S.Miguel Island, Azores, Portugal**.

The university campus is located at a convenient distance from hotels, restaurants and diverse cultural sites. Being close to the centre of Ponta Delgada, University of the Azores is at walking distance of any location in town and only 10 minute taxi ride from the airport.

Travel information

You can either fly to Ponta Delgada directly or through Lisbon or Porto. There are 2-3 daily flights Lisbon-Ponta Delgada operated by **SATA** (www.sata.pt) and/or **TAP** (www.tap.pt).

Besides Lisbon and Porto, some of the direct flights to Ponta Delgada are from Boston, Toronto, Frankfurt, London, Madrid, Amsterdam, Copenhagen, Stockholm, Oslo and Salvador (Brazil).

