

About SMART2015

The ECCOMAS Thematic Conference on Smart Structures and Materials SMART2015 is the seventh in a series which started in 2003 and has progressed successfully over the years. Past conference venues were located in Poland, Portugal, Germany and Italy. SMART2015 will aim at providing a comprehensive forum for discussing current state of the art in the field as well as generating inspiration for future ideas specifically on a multidisciplinary level.

Conference Topics

The scope of the Conference includes topics related to the following areas :

Fundamentals of smart materials and structures

Modeling/formulation and characterization of smart actuators, sensors and smart material systems

Trends and development in diverse areas such as material science including composite materials, intelligent hydrogels, interfacial phenomena, phase boundaries and boundary layers of phase boundaries, control, micro- and nano-systems, electronics, etc. to be considered for smart systems

Comparative evaluation of different smart actuators and sensors
Analysis of structural concepts and designs in terms of their adaptability to smart technologies

Design and development of smart structures and systems

Biomimetic phenomena and their inspiration in engineering

Fabrication and testing of smart structures and systems

Application of smart materials, structures and related technology

Smart robots

Morphing wings and smart aircraft

Artificial muscles and biomedical applications

Smart structures in mechatronics

Energy harvesting



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



UNIVERSIDADE DOS AÇORES



Conference Contacts

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SMART 2015 7TH ECCOMAS Thematic Conference on Smart Structures and Materials

S. Miguel, Azores, Portugal, 3 - 6 June 2015



Organizing Committee

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IDMEC/IST, Portugal

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E. Prasad, University of Toronto, Canada

A. Preumont, Université Libre de Bruxelles, Belgium

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

S. Rinderknecht, Technische Universität Darmstadt, Germany

J. Rodellar, Universitat Politècnica de Catalunya, Spain

H. Rodrigues, Universidade de Lisboa, Portugal

W.J. Staszewski, AGH University of Science and Technology, Poland

T. Wallmersperger, Technische Universität Dresden, Germany

Invited Lecturers

F. Auricchio, University of Pavia, Italy

L. Gaul, Universität Stuttgart, Germany

A. Güemes, Universidad Politécnica de Madrid, Spain

J. Holnicki-Szulc, Polish Academy of Sciences, Poland

R. Ohayon, Lab de Mécanique des Structures et des Systèmes Couplés, France

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

M. Sinapius, German Aerospace Center (DLR), Germany

Important dates

January 16th, 2015

Abstract submission deadline

February 1th 2015

Author notification

March 15th 2015

Early payment deadline

April 15th 2015

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 , Coffee Breaks and social program.

The **accompanying person** registration fee includes: Lunches and social program.

The **presenting author** of each paper must have registered by **April 15th 2015** 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 one page abstract by January 16, 2015

Full papers (max. 06 pages) corresponding to accepted abstracts will be due by **April 15, 2015**.

For templates and further information, please visit the conference website: <http://www1.dem.ist.utl.pt/smart2015>

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.

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, Paris, Frankfurt, Dusseldorf, Nuremberg, London, Madrid, Barcelona, Amsterdam, Copenhagen, Stockholm, Oslo and Helsinki**.