



# **16th International Conference on Adaptive Structures and Technologies**

THIRD ANNOUNCEMENT & CALL FOR PAPERS



**Paris, France  
October 9-12th, 2005**

Chairman: Roger Ohayon, CNAM  
Co-chairmen: Michel Bernadou, John Cagnol, ESILV/PULV

**[conference@icast2005.org](mailto:conference@icast2005.org)  
<http://www.icast2005.org>**

ICAST is a single session conference. It promises a comprehensive overview of and detailed insight into adaptive systems research by worldwide leading scientific specialists.

This conference is a forum for researchers and engineers from the various scientific and engineering disciplines and encourages the transfer of advanced scientific results from research to applications.



## Local Organizing Committee:

Michel Bernadou, ESILV/PULV  
John Cagnol, ESILV/PULV  
Jean-Francois Deti, CNAM  
Pierre-Francois Gobin, INSA-Lyon

Jean-Paul Grellier, DGA  
Daniel Guyomar, INSA-Lyon  
Roger Ohayon, CNAM  
Daniel Osmont, ONERA

This conference is organized under the auspices of GAMNI ("Groupe pour l'Avancement des Méthodes Numériques de l'Ingénieur", a group affiliated to SMAI).

## Themes:

### MATERIALS:

- Active or field dependent materials
- Shape memory alloys
- Ferroelectrics and piezoelectrics
- Electrorheological and magnetorheological fluids
- Electroactive polymers
- Electrostrictive and magnetostrictive materials

### STRUCTURES, SYSTEMS AND SOLUTIONS:

- Adaptive or smart structural systems
- Active vibration control and reduction
- Variable geometry structures
- Active and semi-active damping
- Active noise control
- Active vibration isolation
- Shape and position control
- Integrated damage detection and structural health monitoring

### TOOLS AND METHODOLOGIES:

- Actuator/sensor technologies
- Structural integration of actuators and sensors
- Modeling and simulation of adaptive structures
- Control methodologies

### APPLICATIONS:

- Nastic structures
- Morphing structures
- Compact hybrid actuation
- Military systems and components
- Damage prognosis and structural health monitoring

## Location:

The conference will take place in downtown Paris at:

Hotel Novotel Paris Les Halles  
8 place Marguerite de Navarre  
75001 Paris, France

Telephone: +33 1 42 21 20 20 – Fax: +33 1 42 21 20 21 – E-mail: H0785-SB@accor.com

## Article Publication:

In addition to ICAST proceedings, manuscripts from this conference will have the possibility of simultaneously being reviewed and may be published in a special issue of the Journal of Intelligent Material Systems and Structures to be edited by Norman Wereley. Authors will be invited to submit the full version of their papers on October 9th 2005 upon arrival at the conference.

## Important Dates and Deadlines:

Abstract Submission:	May 31 <sup>st</sup> 2005
Notification of Acceptance:	June 30 <sup>th</sup> 2005
End of Early Registration Period:	September 15 <sup>th</sup> 2005