

First Announcement

Conference Objectives

The conference will bring together researchers, especially from the Euro-Mediterranean scientific community, to discuss about the major advances in the field of Vibrations, Acoustics and Vibroacoustics. It will address both theoretical (analytical and numerical) and experimental methods in these topics by gathering applied mathematicians, mechanics and acousticians. Special emphasis will be devoted to the new acousto-mechanical problems linked to the use of architected interfaces, specific materials or hybrid (active/passive) systems. This conference, emulation of last IMPACT2010, will be an opportunity to discuss current issues, to exchange ideas and to present our latest researches in this area, but also a **place for exchange and networking**.

A real cross-fertilization is expected by gathering academic scientists and researchers coming from different communities, different backgrounds and different countries, which will foster the future proposal of joint research projects.

Organized by :



M Collet (FEMTO-ST)

R. Benamar (UM5)

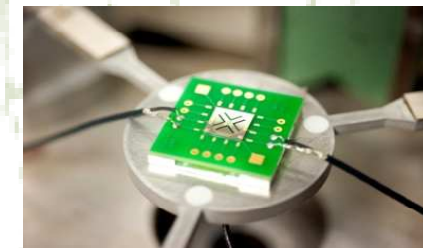
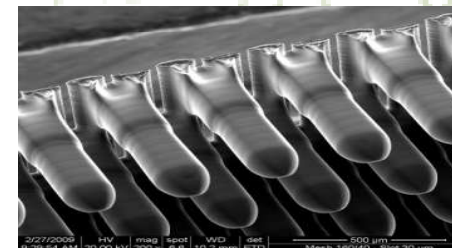
E. Foltête (FEMTO-ST)

M. Haddar (ENIS)

M Ichchou (LTDS)

C. Pézerat (LAUM)

Ms. Ying Li (IOA)





Honorary Chairs

Anders Nilsson (Royal Institute of Technology, Stockholm)

Roger Ohayon (Emeritus Professor CNAM, Paris)

Jing Tian (President of Acoustical Society of China)

Daniel Juvé (Professor Ecole Centrale de Lyon)

Topics

1. Materials for Vibroacoustics
2. Materials Dynamics
3. Nonlinear Dynamics of Composites
4. Non-linear System Dynamics
5. PDEs of Multiphysical Dynamic Systems
6. Adaptive Vibroacoustics and Metacomposites
7. Smart Materials, Structures and Acoustics
8. Robust Design under lack of knowledge
9. Rapid Dynamics
10. Reduced Order Models in Structural Dynamics and Vibroacoustics
11. Gear Box Dynamics and Machine Vibroacoustics
12. Dynamics of Rotating Machinery
13. Vibration Field Measurements
14. Friction Noise
15. Flow Induced Vibrations and Noise
16. Computational Methods in Vibroacoustics and Mid-Frequency

Scientific Committee

B. Mace (U. Southampton, UK), P. Argoul (ENPC, FR), F. Sui (IOA, CN), J.-C. Golinval (ULG, BE), G. Kerschen (ULG, BE), M. Ben Tahar (UTC, FR), A. Deraemaeker (ULB, BE), K. A. Cunefare (GT, US), R. Sampaio (PUC, BRA), F. Scarpa (U. Bristol, UK), R. Benamar (EMI, MA), B. Harras (FST Fes, MA), M. Ouisse (FEMTO,FR), M. Belhaq (FSAC, MA), A. Zine (ECL, FR), H. Lissek (EPFL, CH), J. Holnicki (IPPT, POL), S. Cogan (FEMTO, FR), J.-F. Deü (CNAM, FR), M. Haddar (ENIS, TN), R. Dufour (INSA, FR), J. Mahfoud (INSA,FR), C. Pézerat (LAUM, FR), A. Le Bot (ECL, FR), L. Li (SPJ, CN), S. Da Rosa (UNINA, IT), M.-A. Hamdi (UTC, FR), R. Langley (Cambridge, UK), W. Desmet (KUL, BE), N. Atalla (Sherbrooke, CAN), N. Bouhaddi (FEMTO, FR)

Important Dates

September 2012 : First Call for extended abstracts (3 pages)

December 2012 : Deadline for submission

February 2013 : Notifications of acceptance

Registrations Fees

Students : 250 € / Faculties : 350 € / Industrial : 500 €

Language

Papers will be presented in English. Simultaneous translation facilities will not be available.

Contact : medyna2013@sciencesconf.org

Site : <http://medyna2013.sciencesconf.org/>