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Local organisation committee

- ♦ ThermoMechanics Team
- ♦ LMGC
- ♦ F. Gibier
- ♦ C. Romano
- ♦ K. Sahli



Scientific Partners



Conference topics

- development and application of surface imaging techniques such as Moiré interferometry, grid methods, photoelasticity, digital image correlation, speckle interferometry and digital holography in experimental solid mechanics
- development and application of volume imaging techniques such as tomography (XRT, MRI, ...), 3D photoelasticimetry
- techniques for biomechanical applications
- techniques for measurement on nano- and micro- lengthscales and application to micromechanics
- detection and characterization of cracks, damage and fatigue
- infrared thermography and its application to thermomechanics
- stress and strain field analysis
- identification of the mechanical behaviour of materials and structures from full-field measurements

Important dates

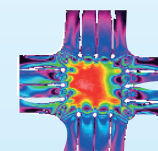
Abstract submission deadline: **December 1st 2012**
 Notification to authors: February 22th 2013
 Final program: April 1st 2013
 Pre-registration deadline: March 15th 2013

Conference website

The registration form is available on the conference website at the address:
<http://photomechanics2013.lmgc.univ-montp2.fr/>

PHOTOMECHANICS 2013

International Conference on Full-Field
 Measurement Techniques and their Applications
 in Experimental Solid Mechanics



Montpellier, France
 May 27-29, 2013

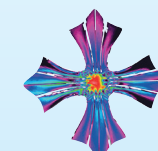


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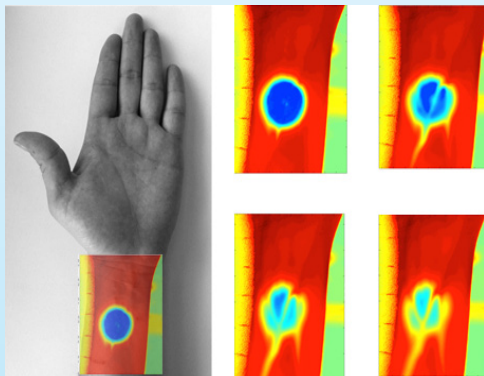
Conference secretariat
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Official Sponsors



Aim and Scope

Classical procedures used in experimental solid mechanics have been significantly improved by recent advances in optical measurement methods, image processing and infrared thermography. These full-field measurement techniques lead to high resolution displacement, strain and temperature maps which open new and attractive fields of investigation.



The purpose of the PhotoMechanics 2013 conference is to provide an international forum for academics and practitioners to promote the new possibilities offered by these techniques and to discuss their impact on the mechanical characterization of materials and structures.

The PhotoMechanics 2013 conference follows on from the highly successful PhotoMechanics 2006, 2008 and 2011 international conferences, held in Clermont-Ferrand (France), Loughborough (UK) and Brussel (Belgium), respectively. Each event attracted over 120 delegates from 17 different countries.

Invited lectures

Three speakers have been invited to illustrate three major topics of the conference:

- New approaches to material behavior characterization through volume analyses: **Stéphane Roux** (LMT Cachan, France)
- Current and upcoming use of imaging techniques in the characterization of multi-physical couplings: **Qing Ping Sun** (HKUST Hong Kong, China)
- Real-time imaging techniques for bio-mechanical applications: **Tim Salcudean** (UBC Vancouver, Canada)

Conference venue

The conference will take place within the pleasant “Sup-Agro Montpellier” campus of “la Gaillarde”. It is located near the historical center of the city where numerous hotel accommodations are available.



Conference format

All contributions will be presented in the form of an oral or a poster presentation. The lectures will be organized in a single session and a book of abstracts will be available for the conference.

Conference fee

The conference fee includes access to the conference, coffee breaks, mid-day lunch and banquet dinner. For advanced registration, the fee will not exceed 350€ for the participants. A special fare of 250€ is proposed for Ph-D and post-doctorate students.

Abstract submission

All abstracts will be reviewed by the scientific committee. Abstracts must be between 2 and 4 pages long. They should be submitted on the conference website before november 1st 2012. Abstract template and submission application are available at:

http://photomechanics2013.lmgc.univ-montp2.fr/abstract_submission.html

Montpellier is the capital of the Languedoc-Roussillon region. Enjoying a particularly sunny Mediterranean climate, the city of Montpellier is located in the heart of one of the most diversified touristic region of France: mediterranean beaches, Camargue lagoons, south of France vineyards, ...

Travel facilities: Montpellier Méditerranée international airport, Montpellier St Roch train station, A75 and A9 motorways

