cnme

2016

10º Congresso Nacional de Mecânica Experimental

10th National Congress on Experimental Mechanics

Portugal • Lisboa • LNEC • 12-14 October 2016

http://cnme2016.lnec.pt/

LNEC
LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL

APAET

PRESENTATION

The 10th National Congress on Experimental Mechanics - CNME2016 will take place in the Congress Centre of the National Laboratory for Civil Engineering, from 12 to 14 October 2016. This congress is directed at all researchers, teachers, technicians and students working in the various thematic areas of Experimental Stress Analysis and Experimental Mechanics.

As a trigger for scientific and technological development, the subject of experimental mechanics has assumed a key importance in the characterization of materials and in the behaviour of structures and components in various fields of science and engineering. Experimental analysis has also been applied as a physical basis for the verification and validation of numerical and analytical models that aim to simulate and predict the behaviour of materials and structures. Furthermore, there have been major developments and improvements in experimental techniques and procedures. As in the previous gatherings, the 10th National Congress on Experimental Mechanics - CNME2016 will be an important forum for the dissemination and discussion of the latest advances and trends in the fields of Experimental Stress Analysis and Experimental Mechanics applied to engineering problems, as well as in fundamental research in the various science branches, including biology, materials, medicine, etc.

ORGANIZATION

The CNME 2016 is organized by the National Laboratory for Civil Engineering under the aegis of the Portuguese Experimental Stress Analysis Association (APAET).

KEY DATES

Extended abstract submission (2 pages)	8 May 2016
Notification of acceptance	15 May 2016
Paper submission (optional)	22 August 2016
Revised paper submission	15 September 2016

SUBMISSION

The submission of extended abstracts (2 pages) and papers (optional) should be made electronically through EasyChair:

https://easychair.org/conferences/?conf=cnme2016

The extended abstracts and papers must be prepared in Word, based on templates available at the congress webpage.

The extended abstracts will be included in the proceedings, made available on paper.

Abstracts and full papers will be made available digitally.

Papers presented at this congress may be selected for publication in the Journal of Experimental Mechanics, edited by APAET.

TOPICS

- Acoustics and Vibrations
- Biomechanics and Biomaterials
- Materials Characterization
- Structural Behaviour
- Structural Dynamics and Seismological Engineering
- Fracture
- Geotechnics and Geology
- Hydraulics and Hydrology
- Instrumentation and Control
- Fluid Mechanics
- Computational Methods and Numerical Simulation
- Structural Monitoring
- Nanotechnology
- Energy Systems
- Tribology

TECHNICAL SESSIONS

Those individuals interested in organizing a technical thematic session should contact the Organizing Committee, indicating the subject they wish to address, together with the minimum number of expected presentations(cnme2015@lnec.pt).

After agreement with the Committee, the session will be included on the official congress programme.

Proposed subjects

Experimental and Numerical Analysis in Transport Infrastructures –
Organizer Eduardo Fortunato (LNEC)

Challenges and Opportunities in Hydraulics and Environment Experimental Work
Organizers Rui Capitão (LNEC) and Jorge Saldanha Matos (IST)

Experimentação em Termofluidos
Organizers Fernando Marques da Silva (LNEC) and Luís Eça (IST)

Experimental methods in Structural Dynamics and Earthquake Engineering
Organizers Paulo Candeias (LNEC) and Luís Ramos (UMinho)

TECHNICAL EXHIBITION

The CNME2016 Organizing Committee invites firms or other entities, and decision-makers or operational agents, with activities, products or services in areas relevant to the event, to participate in the Technical Exhibition. It will offer participants contact with new materials, new technologies and recent achievements, and it will give exhibitors the opportunity to display and demonstrate their activities, products and services. CNME2016 is directed at the technical and scientific community studying, through experimental activities, phenomena in various areas of science and engineering (mechanical, hydraulic, physical, chemical, etc.) and with a view to developing and validating numerical models.

This event seeks to promote the exchange and dissemination of experimental methodologies used in various areas and is an excellent opportunity to hear keynote addresses by leading experts and technical discussion, while establishing contacts and updating attendees on a broad range of topics. Those interested in taking part in the Technical Exhibition should consult the Technical Exhibition Guide and register using the Registration Form (both available at the congress webpage).

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SPONSORSHIP

The CNME2016 Organizing Committee invites institutions with activities, products or services in areas relevant to the event to sponsor this congress, following the Sponsorship Guide (available at the congress webpage).

REGISTRATION

Those interested in participating in the 10th National Congress on Experimental Mechanics - CNME2016 should register electronically on the official website. Registrations will only be considered effective upon receipt of payment.

	Up to 31-07-2016	After 31-07-2016
Participants	€450	€600
Members of APAET	€400	€550
Students*	€300	€450
Accompanying Guests	€200	€200

* Registration for students confers the right to attend the technical sessions, coffee breaks and lunches and receive material distributed to participants. However it does not include attendance at the social dinner. This type of registration is only possible upon presentation of the undergraduate's, master's or doctorate's student card or equivalent proof.

PAYMENT

Bank Transfer (*free of any charges to the organization*)
    IBAN: PT 50 0018 0365 002000 10582 22
    SWIFT code: TOTAPTPL
    (*Santander Totta – Bank: Largo Frei Heitor Pinto 7-A/B – P-1700-204 LISBOA*)
    Account holder: FUNDCIC

Paypal (available at http://www.lnec.pt/pt/gca/index.php?id=773)

Portuguese Cheque (*only for participants having a bank account in Portugal*) payable to FUNDCIC.

SECRETARIAT

Tel: 21 844 33 66
e-mail: cnme2016@lnec.pt

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