



EVACES'07
Secretariat

a/c Mrs. Clotilde Bento
Faculty of Engineering
of University of Porto
R. Dr. Roberto Frias,
4200-465 Porto
Portugal

EXHIBITION / SPONSORSHIP

During the conference, a Technical Exhibition will take place with focus on equipments and software for vibration measurement and structural monitoring, as well as applied engineering works, allowing for the participation of companies or organisations interested in this theme.
Companies/organisations interested in exhibiting their products and services or sponsor the event are invited to contact the Conference Secretariat.

CONTACT

All the correspondence should be addressed to:

Chairman of EVACES'07 Organizing Committee

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FEUP - DEC
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4200-465 Porto
Portugal
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or to the Conference Secretariat:

Mrs. Clotilde Bento
Mr. Manuel Carvalho
Tel.: +351 22 508 1944

e-mail: evaces07@fe.up.pt | <http://www.fe.up.pt/evaces07>



EVACES'07

EXPERIMENTAL VIBRATION ANALYSIS FOR CIVIL ENGINEERING STRUCTURES

24-26 OCTOBER 2007 | PORTO - PORTUGAL

First Announcement and Call for Papers

Co-sponsoring organisations:



IABSE

Objectives

Following the success of the 1st International Conference on Experimental Vibration Analysis for Civil Engineering Structures (EVACES'05), October 26-28, 2005, at Bordeaux (France), promoted by Laboratoire Central des Ponts et Chaussées (LCPC), LCPC and FEUP, with the support of IABSE, have decided to announce the organization of a second edition of the conference, that will be held at the Campus of FEUP from October 24-26, 2007.

Vibration based structural assessment, monitoring and control of Civil Engineering structures is a field of increasing importance and popularity for researchers, designers and construction companies, as consequence both of significant technological improvement of measurement equipments and theoretical formulations and of the extreme importance that society gives nowadays to the structural safety and serviceability conditions and durability of large structures, since construction to rehabilitation.

In this context, the aim of this second edition of EVACES is to provide and strengthen a forum for practitioners and researchers from all around the world to exchange and share views and experiences related to the measurement, the data processing and the use of experimental vibration analysis for civil engineering structures.

Who should attend?

The conference is intended for structural engineers, researchers and associated professionals interested in the latest achievements and developments in research, instrumentation, monitoring, signal processing, structural integrity and vibration mitigation.

Topics

All major aspects of experimental vibration analysis will be addressed during the conference. Representative subject areas are given below, but are not exhaustive:

1. Vibration measurement (transducers, techniques...)
2. Sources of excitation (testing machines, traffic loads, ambient excitation)
3. Concepts in vibration data analysis (modal analysis, wavelets, non linear, non stationary processes, stochastic methods)
4. Vibration measurement in large structures
5. Vibration isolation and mitigation (passive damping, semi-active and active control)
6. System identification and model updating
7. Structural integrity assessment
8. Structural monitoring
9. Wave propagation
10. Methodologies and standards
11. Effects of shock and vibration on humans and facilities
12. In-situ and laboratory experiments, benchmarks

Call for papers

Papers on any topic relevant to the Conference themes are welcome. One page abstracts in English should be submitted electronically through the conference webpage www.fe.up.pt/evaces07. Contributed papers will be selected by the Scientific Committee on the basis of these abstracts. The abstract should clearly state the purpose and the conclusions of the full paper. Detailed instructions will be sent to the authors of the selected abstracts. The final paper will be checked by the Scientific Committee.

Deadlines

Call for papers May 31, 2006
Deadline for abstracts October 15, 2006
Acceptance of abstracts January 15, 2007
Deadline for papers March 15, 2007
Acceptance of papers May 31, 2007

Conference proceedings

All accepted papers will be published in the Proceedings, which will be available during the Conference. The proceedings will include 2 page abstracts and a CD-ROM including full papers.

Scientific Committee

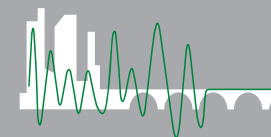
A. AKTAN, USA
F. BARBOSA, Brazil
J. BIEN, Poland
F. BRANCO, Portugal
R. BRINCKER, Denmark
J. BROWNJOHN, United Kingdom
E. CAETANO, Portugal
R. CANTIENI, Switzerland
J. CONTE, USA
C. CREMONA (Chair), France
A. CUNHA, Portugal
R. DELGADO, Portugal
G. FELTRIN, Switzerland
A. FOURNOL, France
Y. FUJINO, Japan
C. GENTILE, Italy
R. KAROUMI, Sweeden
R. LECONTE, France
A. PAVIC, United Kingdom
W. REN, China
G. DE ROECK, Belgium
W. RÜCKER, Germany
M. TALBOT, Canada
C. TAYLOR, United Kingdom
C. VENTURA, Canada
C. Y. WANG, Taiwan
H. WENZEL, Austria
A. WICKS, USA

Organizing Committee

The Organizing Committee of EVACES'07 is formed by the following members of the Laboratory of Vibrations and Monitoring (VIBEST) of the Civil Engineering Department of FEUP:
A. CUNHA (Chair)
E. CAETANO (Co-Chair)
C. MOUTINHO
F. MAGALHÃES

Location

The meeting will take place at the Campus of **Faculty of Engineering of the University of Porto** (www.fe.up.pt).



EVACES'07

www.fe.up.pt/evaces07

Provisional registration

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First Name	<input type="text"/>	
Organisation	<input type="text"/>	
Address	<input type="text"/>	
Zip Code	<input type="text"/>	
Country	<input type="text"/>	City <input type="text"/>
Phone	<input type="text"/>	Fax <input type="text"/>
e-mail	<input type="text"/>	

- I intend to
- ☐ attend EVACES'07
 - ☐ participate in the Technical Exhibition
 - ☐ submit a paper entitled:

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Please send a one page abstract in English to the conference secretariat by October 15th, 2006