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Second announcement and call for abstracts

EURODYN2011

8th International Conference
on Structural Dynamics
Leuven, Belgium, 4-6 July 2011

www.eurodyn2011.org

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Introduction

The European Association for Structural Dynamics (EASD), K.U.Leuven, and the Technical Institute of the Royal Flemish Society of Engineers (TI KVIV) are pleased to announce that the Eighth European Conference on Structural Dynamics Eurodyn 2011 will be held in Leuven, Belgium, from 4 to 6 July 2011.

The seven previous conferences in the series were held in Bochum (1990), Trondheim (1993), Florence (1996), Prague (1999), Munich (2002), Paris (2005), and Southampton (2008).

This conference is devoted to theoretical, numerical and experimental developments in structural dynamics and their application to all types of structures and dynamical systems. The conference will reflect the state of the art of structural dynamics and dynamical systems in science and engineering practice and is an opportunity to exchange scientific, technical and experimental ideas.

Conference themes

- Biomechanics
- Bridge dynamics
- Dynamic soil-structure interaction
- Dynamical behavior of materials
- Dynamics of coupled systems
- Earthquake engineering
- Experimental techniques
- Fluid-structure interaction
- Human induced vibrations
- Impact dynamics
- Inverse problems
- Multi-scale dynamics
- Nonlinear dynamics
- Optimization
- Reliability of dynamical systems
- Stochastic dynamics
- Structural health monitoring
- Traffic induced vibrations
- Uncertainty
- Vehicle dynamics
- Vibration control
- Vibro-acoustics
- Wave propagation
- Wind engineering

www.eurodyn2011.org

Call for abstracts

Authors wishing to contribute to the scientific program of Eurodyn 2011 are requested to create an account on the conference website www.eurodyn2011.org and to submit a one page abstract **before 30 June 2010**. Abstract preparation guidelines and templates (Word and LaTeX) are available on the website.

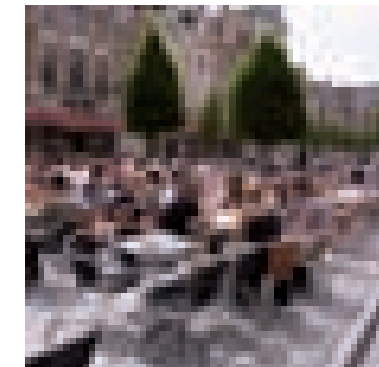
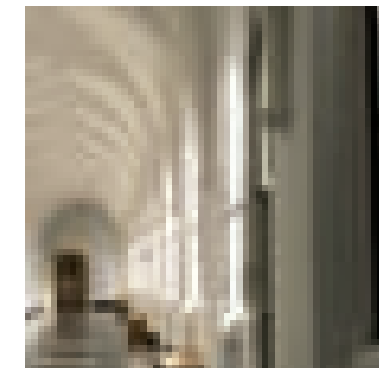
26 mini-symposia will be organized at Eurodyn 2011 and are listed below.

If the abstract is accepted, authors will be asked to submit a paper (max. 8 pages) for publication in the conference proceedings (CD-ROM). The proceedings will be listed in Thomson Reuters ISI Web of Knowledge.

Eurodyn 2011 will accept one paper per registered author.

Mini-symposia

- MS01** Geotechnical earthquake engineering
- MS02** Aseismic design of structures and lifelines
- MS03** Dynamic soil-structure interaction and wave propagation
- MS04** Traffic induced vibrations (road traffic, railway traffic, subway traffic)
- MS05** Vibrations due to construction and industrial activities
- MS06** Human induced vibrations
- MS07** Bridge dynamics (seismic loads, wind loads, moving loads, vehicle-bridge interaction)
- MS08** Wind induced vibrations of slender structures and fatigue
- MS09** Active, semi-active, and passive vibration control
- MS10** Dynamic stability and post-critical states
- MS11** Experimental techniques
- MS12** System identification and structural health monitoring
- MS13** Inverse problems
- MS14** Modeling of uncertainties in structural dynamics and coupled systems
- MS15** Dynamic response of structures due to random excitation
- MS16** Stochastic dynamics and reliability analysis of structural and mechanical systems under environmental excitation
- MS17** Sensitivity and robustness of dynamical systems
- MS18** Safety and reliability of dynamical systems
- MS19** Fuzzy sets and intervals – numerical methods and applications
- MS20** Fluid-structure interaction
- MS21** Vibro-acoustics
- MS22** Constitutive behavior of construction materials
- MS23** Blast and accidental loads
- MS24** Offshore structures
- MS25** (Off-shore) wind power plants
- MS26** Non-contact measurements



Important dates

- Deadline for abstract submission **30 June 2010**
- Abstract acceptance notification **30 September 2010**
- Deadline for paper submission **31 December 2010**
- Deadline for registration and payment authors **15 April 2011**
- Deadline for early bird registration **15 April 2011**
- Eurodyn 2011 **4-6 July 2011**

Venue

The conference will take place on the campus of K.U.Leuven in the center of Leuven. K.U.Leuven has been founded in 1425 and is the oldest university in the Low Countries. The historic center of Leuven is one of the most beautiful in Belgium. The numerous churches, abbeys, university colleges, and the 13th century beguinage are the evidence of a rich history. The finely sculpted Town Hall and Saint Peter's church are examples of flamboyant Gothic architecture at its best. Leuven is a city in full metamorphosis. Streets, squares, buildings as well as many town quarters are evolving in tune with our rapidly evolving society. This modernization has been seized in Leuven to integrate quality contemporary architecture along with our century old set values. Old and new enhance one another and together create the municipal decor. Leuven is located in the center of Belgium at 20 km from Brussels Airport.

Exhibition

Companies are invited to participate in the exhibition during the conference. For further information, please contact the conference secretariat.