

## Schedule

**January 15, 2010:** Deadline for submission of abstracts.

**March 15, 2010:** Authors are notified regarding acceptance of their contribution, and receive instructions concerning the format of the paper.

**June 1, 2010:** Deadline for paper submission (in digital format).

**September 20-22, 2010:** ISMA2010 conference.

## General information

**Registration fee**, including full conference proceedings, refreshments and conference reception is EUR **500** and EUR **400** for **presenting authors** (1 paper). The **student** registration fee is EUR **300**.

Online registration and a more detailed conference program will be available in March 2010.

## ISMA on the internet

To be informed on the latest information concerning ISMA2010, you can register to the mailing list on our website <http://www.isma-isaac.be>

## Conference secretary

Questions related to the conference should be addressed to the conference secretary:

Mrs. L. Notré,

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(Production Engineering, Machine Design and Automation)  
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<http://www.isma-isaac.be>

## Conference venue

The conference will be held on the city campus of the **Katholieke Universiteit Leuven**, located in the old centre of Leuven.

The Katholieke Universiteit Leuven, founded in 1425, is one of the oldest and most famous universities of Europe. The historic and artistic past is present everywhere in this charming city which is the capital of Vlaams-Brabant. The town hall, the beguinage, the numerous churches, monasteries, convents and university colleges are evidence of a glorious past and lend the town a medieval character.

Next to its cultural heritage, Leuven provides an excellent environment for relaxation in its numerous restaurants and bars. Since the headquarters of the worlds largest brewery group AB Inbev are located in Leuven, beer has always played an important role in Leuven's history.

Leuven is located in the **centre of Belgium** only 30km from Brussels and **20km from Brussels National Airport**.

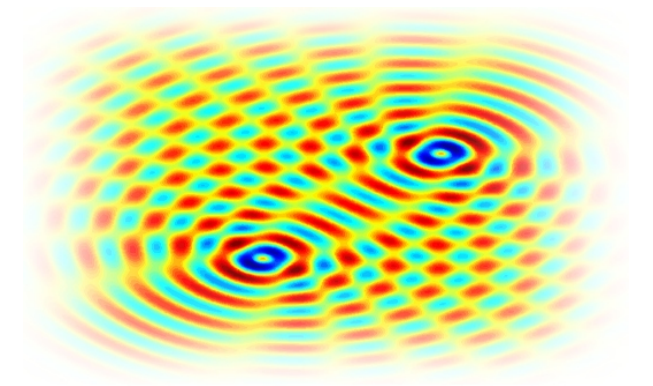


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**International Conference  
on**

# ***NOISE and VIBRATION Engineering***



**September 20-22, 2010**

**Katholieke Universiteit Leuven, Belgium**

KATHOLIEKE UNIVERSITEIT  
**LEUVEN**



## Overview and Objectives

The 2010 Leuven Conference on Noise and Vibration Engineering will be held from September 20<sup>th</sup> till 22<sup>nd</sup> in Leuven, Belgium. It is the 24<sup>th</sup> international conference in a series of annual courses and biennial conferences on **structural dynamics, modal testing and noise and vibration engineering**, organised by the Department of Mechanical Engineering of the Katholieke Universiteit Leuven.

The conference provides a forum for engineers, researchers and other professionals active in the field of modelling, analysing, testing and improving the noise and vibration characteristics of mechanical systems and civil structures. The conference combines expertise in the noise and vibration fields by stressing common measurement, modelling, analysis and control technologies. The meeting will provide a further impetus to the cross fertilisation of ideas in both areas.

## Conference topics

The conference program will include keynote lectures, tutorials and invited and contributed papers in specialised areas of noise and vibration engineering and structural dynamics.

The focus of the conference is on **experimental and numerical methods**, with special attention to recent applications in **vehicle and civil engineering**. Fields with a strong interaction between noise and vibration behaviour will be stressed.

**Modal analysis and structural dynamic testing** remains one of the backbones of the conference, and herein we would like to emphasize limiting factors such as **product and test uncertainty** as well as applications in the field of **smart monitoring and damage assessment**.

Papers are solicited on research results and engineering applications in the following areas:

- Active noise and vibration control
- Aeroacoustics and flow induced noise and vibrations
- Damage detection and condition monitoring
- Dynamics of civil structures
- Dynamics of lightweight structures
- Damping
- Durability testing - vibration control
- Instrumentation
- Measurement techniques - signal processing
- Medium and high frequency techniques
- Modal testing and FRF estimation
- Model correlation and updating
- Multibody dynamics
- Noise control engineering
- Non-linearities: identification and modelling
- Operational modal analysis
- Parameter estimation
- Railway dynamics and ground vibration
- Rotating machinery
- Sound quality engineering
- Smart dynamic structures
- Source localization and transfer path analysis
- Substructuring and coupling
- Time-frequency analysis techniques
- Uncertainties in structural dynamics and acoustics
- Vehicle dynamics
- Vehicle noise and vibration (NVH)
- Vibro-acoustics

Potential contributors are requested to submit an abstract (40 lines) together with a short curriculum vitae. The scientific committee will decide upon the selection of the papers. If the abstract is selected, the author will be asked to submit a paper (max. 15 pages), suitable for publication in the conference proceedings.

Since ISMA2000, the proceedings are listed in "ISI Web of Knowledge Proceedings - Science & Technology edition".

## Organising committee

P. Sas, Conference Chairman,  
B. Bergen, W. Desmet, W. Heylen, L. Notré, J. Swevers,  
D. Vandepitte, K. Vergote

## Scientific committee

R. Allemang (USA)	D. Inman (USA)
J.R. Arruda (Br)	W. Lauriks (B)
F. Augusztinovicz (H)	J. Leuridan (B)
E. Balmes (F)	M. Link (D)
T. Bein (D)	B. Mace (UK)
J.W. Biermann (D)	N. Maia (P)
D. Brown (USA)	J. Mottershead (UK)
J. Cooper (UK)	N. Okubo (J)
J.P. Coyette (B)	M. Pierini (I)
W. D'Ambrogio (I)	A. Preumont (B)
J. De Baerdemaeker (B)	H-H. Priebsch (AT)
A. de Boer (NL)	H. Ramon (B)
G. Degrande (B)	B. Randall (AUS)
G. De Roeck (B)	H. Rice (IRE)
J. De Schutter (B)	D. Rixen (NL)
S. Elliott (UK)	J. Schoukens (B)
D. Ewins (UK)	A. Sestieri (I)
S.D. Fassois (GR)	C. Soize (F)
M. Friswell (UK)	G. Vermeir (B)
P. Gardonio (UK)	J. Viñolas Prat (E)
L. Gaul (D)	H. Van Brussel (B)
J.C. Golinval (B)	H. Van der Auweraer (B)
P. Göransson (S)	K. Worden (UK)

## Exhibition

Parallel to the conference, an exhibition on noise and vibration related hard- and software will be organised. This exhibition will give the conference attendants the opportunity to see the latest products in the field of noise and vibration analysis.