

## CONFERENCE VENUE

Niš is located on 48°15' latitude and 21°52' longitude. Inner part of the city is at an altitude of 194 meters above sea level. The city covers an area of 696.74 km<sup>2</sup>. It has a moderate-continental climate with an average temperature of 11.2°C. Average air pressure is 992.74 millibar, with 123 rainy days in a year, 43 days with snow and wind.

Niš is an administrative, economic, university and the cultural center of the South-East Serbia, some 240 kilometers away from Belgrade. It is rich with ancient monuments which testify about the stormy history of the city. It stands on the site of the Roman settlement of Naissus the birthplace of emperor Constantine the Great, in the valley of the river Nišava. Niš is known as the greatest gate between East and West, because it is on the crossroads of the three important directions of the international highway, railway and air traffic.

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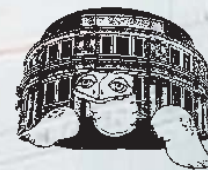
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General sponsor:



# Brüel & Kjær



## Call for Papers Poziv za prijavu radova

UNIVERSITY OF NIŠ  
FACULTY OF OCCUPATIONAL SAFETY  
Department of Noise and Vibration

UNIVERZITET U NIŠU  
FAKULTET ZAŠTITE NA RADU  
Laboratorija za buku i vibracije

XXII Conference  
with International Participation

## Noise and Vibration



XXII Konferencija  
sa međunarodnim učešćem

## Buka i vibracije

1<sup>st</sup> Announcement  
1. Obaveštenje

Niš, 20 - 22. 10. 2010.  
SERBIA

## GENERAL INFORMATION

Following the success of the previous conferences the Faculty of Occupational Safety of Niš, under auspices of the Ministry of Science and Environmental Protection of the Republic Serbia, organizes XXII Conference with international participation "Noise and Vibration" in Niš, Serbia, 20 - 22 October, 2010. The Organization Committee is pleased to invite the scientists and engineers from university research centers and industries, working in all fields of noise and vibration to present their contributions in the form of oral communications or posters. The main objective of this Conference is to provide international forum with advance scientific knowledge about the noise and vibration.

## SCIENTIFIC FIELDS

Authors are invited to contribute with the original unpublished papers on theoretical results or innovative applications. Major topics of interest will be focused on, but not limited to the following:

### Noise generation and propagation

- ▲ General
- ▲ Physical mechanisms of noise generation and propagation
- ▲ Noise-generating sources
- ▲ Stationary noise sources
- ▲ Moving noise sources
- ▲ Industrial machinery and equipment
- ▲ Noise propagation in atmosphere
- ▲ Noise propagation in enclosed spaces
- ▲ Noise propagation in ducts

### Noise control

- ▲ General
- ▲ Barriers and screens shielding
- ▲ Enclosures for noise sources
- ▲ Sound insulating elements
- ▲ Filters, mufflers, silencers and resonators
- ▲ Absorptive materials
- ▲ Heavy protecting devices
- ▲ Noise attenuation in ducts
- ▲ Active noise control

### Environmental noise

- ▲ General
- ▲ Building noise control
- ▲ Community noise control
- ▲ Industrial noise control
- ▲ Noise surveys
- ▲ Environmental noise management
- ▲ Environmental noise mapping

### Vibration generation and propagation

- ▲ General
- ▲ Characteristics of sources of vibration
- ▲ Vibrating surfaces and structures
- ▲ Propagation in structures
- ▲ Chaotic oscillations

### Vibration control

- ▲ General
- ▲ Balancing of rotating and reciprocating machine
- ▲ Reduction of impact forces
- ▲ Vibration isolators and attenuators
- ▲ Vibration-damping materials and structures
- ▲ Diagnostics and condition monitoring of machine systems

### Effect of noise and vibrations

- ▲ General
- ▲ Perception of noise and vibration
- ▲ Physiological effects
- ▲ Psychological effects
- ▲ Sociological effects
- ▲ Economic effects

### Analysis of noise and vibration

- ▲ General
- ▲ Instrument for noise and vibration measurement
- ▲ Measurement techniques
- ▲ Signal processing
- ▲ Analytical methods
- ▲ Numerical methods
- ▲ Computer methods
- ▲ Modeling, identification, prediction and simulations

### Requirements

- ▲ General
- ▲ Standards
- ▲ Regulations
- ▲ Criteria and rating of noise and vibrations
- ▲ Quality system in ISO 9000 and ISO 14000

## ABSTRACTS SUBMISSION

Abstracts of papers proposed for presentation at the Conference will be reviewed by the Program Committee. Each abstract should be in English and Serbian (foreign submit only English copy) and must be presented on a A4 page. It should include: the title of the paper (20 words maximum), the author's names, affiliation full addresses including telephone, fax, e-mail and the abstracts (300 words maximum). The authors are invited to classify their papers according to the scientific fields of noise and vibration listed previously. A copy of the abstract should be sent to the Conference Secretariat by post or e-mail no later than June 1, 2010. Authors will be informed about the decision of the Program Committee by June 30, 2010. A complete manuscript will be printed in the Conference Proceeding and must be received not later than September 15, 2010. Detailed instructions for preparing a camera ready manuscript will be sent to all authors of accepted papers.

## LANGUAGES

The official languages of the Conference will be English and Serbian.

## WORKSHOPS

During the conference two workshops will be organized. The workshop themes as well as the moderators will be defined subsequently. Workshops will be held in English.

## EXHIBITION

Companies and institutions are invited to present their achievements in the devices and materials, protection technique and instrumentation in field of noise and vibration. Exhibition, booth and table reservation are available at the Conference Secretariat.

## IMPORTANT DATES

Deadline for abstracts	June 1, 2010
Notification of acceptance	June 30, 2010
Deadline for papers	September 15, 2008
Program publishing	September 15, 2010