

CONFERENCE VENUE

Niš is situated at the 48°15' latitude and 21°52' longitude. The inner part of the city is at an altitude of 194 meters above sea level. The city covers an area of 696.74 km². It has a moderate-continental climate with an average temperature of 11.2°C. The average air pressure is 992.74 millibar, with 123 rainy days in a year and 43 days with snow and wind.

Niš is an administrative, economic, university and the cultural center of the South-Eastern Serbia, 240 kilometers away from Belgrade. It is rich in 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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CALL FOR PAPERS



UNIVERSITY OF NIŠ
FACULTY OF OCCUPATIONAL SAFETY
Department of Preventive Engineering
Noise and Vibration Laboratory



"POLYTECHNICA" UNIVERSITY OF TIMISORA
FACULTY OF MECHANICAL ENGINEERING
Department of Mechanics and Vibration
Noise and Vibration Laboratory

26th INTERNATIONAL CONFERENCE



Brüel & Kjær

NOISE & VIBRATION

6 - 7, December 2018.
Niš, Serbia

GENERAL INFORMATION

Following the success of the previous conferences, The University of Niš, Faculty of Occupational Safety and "Politehnica" University of Timisoara, under auspices of the Ministry of Education and Science of the Republic of Serbia, organize 26th International Conference "Noise and Vibration" in Niš, Serbia, 6 - 7 December, 2018. 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

The authors are invited to contribute with the original unpublished papers on theoretical results or innovative applications.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 and Occupational noise

- ☒ General
- ☒ Building noise control
- ☒ Community noise control
- ☒ Industrial noise control
- ☒ Noise surveys
- ☒ Environmental noise management
- ☒ Occupational 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

Non-linear acoustic and vibration

Requirements

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

MANUSCRIPT SUBMISSION

Manuscript of papers proposed for presentation at the Conference will be reviewed by the Program Committee. A copy of the paper manuscript should be sent to the Conference Secretariat by post or e-mail, no later than November 5, 2018. Authors will be informed about the decision of the Program Committee by November 10, 2018. A complete manuscript will be printed in the Conference Proceeding. Detailed instructions for preparing a camera ready manuscript can be find at:
<http://www.znrfak.ni.ac.rs/NOISE2018/06-Guidelines.html>.

LANGUAGES

The official language of the Conference is English.

WORKSHOPS

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

EXIBITION

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

IMPORTANT DATES

Deadline for papers	November 5, 2018
Notification of paper acceptance	November 15, 2018
Program publishing	November 20, 2018

www.znrfak.ni.ac.rs/noise2018