

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



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NOISE & VIBRATION

24 - 25, October 2024.
Niš, Serbia

GENERAL INFORMATION

Following the success of the previous conferences, The University of Niš, Faculty of Occupational Safety in Niš, "Politechnica" University of Timisoara and Bulgarian Academy of Sciences, Institute of Mechanics, under auspices of the Ministry of Science, Technological development and Innovation of the Republic of Serbia, organize 28th International Conference "Noise and Vibration" in Niš, Serbia, **24-25 October, 2024**. 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The authors are invited to contribute with the original unpublished papers on theoretical results or innovative applications.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:

General acoustics and vibration

- ☒ Physical mechanisms of sound and vibration generation
- ☒ Sound and vibration propagation
- ☒ Noise and vibration sources
- ☒ Vibrating surfaces and structures
- ☒ Non-linear acoustics and vibration

Noise control

- ☒ Noise barriers, screens and source enclosures
- ☒ Sound insulating and absorptive elements
- ☒ Noise control in ducts
- ☒ Environmental noise control
- ☒ Industrial noise control

Environmental and Occupational noise

- ☒ Noise surveys
- ☒ Environmental noise management
- ☒ Occupational noise management
- ☒ Environmental noise mapping

Vibration control

- ☒ 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

Effects of noise and vibrations

- ☒ Perception of noise and vibration
- ☒ Physiological effects
- ☒ Psychological effects
- ☒ Sociological effects
- ☒ Economic effects

Analysis of noise and vibration

- ☒ Instruments for noise and vibration measurement
- ☒ Measurement techniques
- ☒ Signal processing
- ☒ Analytical methods
- ☒ Numerical methods
- ☒ Modeling, identification, prediction and simulations

Legal aspects of noise and vibration management

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

ABSTRACT SUBMISSION

Abstracts of papers proposed for presentation at the Conference will be reviewed by the Program Committee. Each abstract should be written on A4 paper format, 300 words maximum, in both English and Serbian (authors from abroad should submit English copy only). The abstract should include: the title of the paper (20 words maximum), the authors' names, affiliation, full addresses, telephone numbers and e-mail. 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 e-mail in Word document, no later than **May 15, 2024**. Authors will be informed about the decision of the Program Committee by **May 24, 2024**. A complete paper must be received no later than **September 1, 2024**. Accepted papers after peer-review will be included in the Conference Proceeding, which will be published in the international journal indexed by most important international databases, including SCOPUS and Web of Science.

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 abstracts:	May 15, 2024	May 31, 2024
Notification of acceptance:	May 24, 2024	June 20, 2024
Deadline for papers:	September 1, 2024	
Program publishing:	October 10, 2024	