

PROGRAM



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



BULGARIAN ACADEMY OF SCIENCES
Institute of Mechanics

29th INTERNATIONAL CONFERENCE



NOISE & VIBRATION

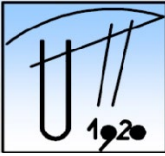
22 - 23, October 2026.
Niš, Serbia

**ORGANIZER
ORGANIZATOR**



University of Niš
Faculty of Occupational Safety in Niš
Department of Preventive Engineering
Noise and Vibration Laboratory

<https://www.znrfak.ni.ac.rs/>



"Politechnica" University of Timisoara
Faculty of Mechanical Engineering
Department of Mechanical Engineering
Noise and Vibration Laboratory

<https://mec.upt.ro/>



Bulgarian Academy of Sciences
Institute of Mechanics

<https://www.imbm.bas.bg/>

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Bulgaria

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Technology, Slovenia

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University of Niš, Faculty of Electronic Engineering

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Engineering

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Head of Spectri, Sofia, Bulgaria

Đorđe Radojević

Head of RMS, Sremska Mitrovica, Serbia

CONFERENCE SECRETARIAT
SEKRETARIJAT KONFERENCIJE

Petar Jovanović, MSc - technical secretary

petar.jovanovic@znrfak.ni.ac.rs, +381 18 529 748

Nikola Mišić, PhD

Milena Mančić, MSc

Aleksandra Petković, MA

Mirjana Milutinovic, MSc

Rodoljub Avramović, MSc

Srdan Cvetković

INFORMATION INFORMACIJE

The 29th International Conference "Noise and Vibration" will be held in Niš from October 22 to October 23, 2026. The opening ceremony, as well as other sessions, will take place at the Faculty of Occupational Safety, Čarnojevića str. 10a, Niš. In addition to the Conference, an exhibition of equipment and materials related to noise and vibration control will also be organized.

29. Međunarodna konferencija "Buka i vibracije" će se održati u Nišu 22. i 23. oktobra 2026. Svečano otvaranje, kao i ostale plenarne sednice, održaće se na Fakultetu zaštite na radu u Nišu, Čarnojevića 10a. U okviru Konferencije će biti održana izložba opreme i materijala za zaštitu od buke i vibracija.

<https://www.znrfak.ni.ac.rs/NOISE2026/index.html>.

PAPER PRESENTATION - PREZENTACIJA RADOVA

Papers will be presented orally in either English or Serbian, with English being the preferred language. All presentations must be in the form of PowerPoint slides and in English. The time allocated for presenting each paper is 15 minutes, included discussion. All papers presented at the Conference will be published in the Conference Proceedings. Extended versions of selected papers will be published after the peer-review process in Facta Universitatis, Series: Working and Living Environmental Protection.

Radovi koji su uvršćeni u program biće saopšteni usmeno na engleskom ili srpskom jeziku, ali je poželjno korišćenje engleskog jezika. Sve prezentacije radova moraju biti u obliku ppt slajdova na engleskom jeziku. Vreme za predstavljanje rada je ograničeno na 15 minuta, uključujući diskusiju. Svi radovi prezentovani na Konferenciji biće objavljeni u zborniku radova Konferencije. Proširene verzije odabranih radova biće nakon završenog procesa recenziranja objavljeni u časopisu Facta Universitatis, Series: Working and Living Environmental Protection.

REGISTRATION FEE KOTIZACIJA
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The registration fee is 150 Euros and must be paid for each accepted paper and each Conference participants. The registration fee includes in the Conference, the Conference Proceedings, and all other accompanying events and activities.

Participants who did not pay the early registration fee are advised to complete their payment at the registration desk. For payments in euros, payment instructions will be sent to the authors upon request.

Kotizacija za učešće na Konferenciji iznosi 18.000,00 dinara i mora biti plaćena za svaki prihvaćen rad i učesnika Konferencije. U kotizaciju je uračunato učešće na Konferenciji, zbornik radova i sve ostale prateće manifestacije. Označeni iznos treba uplatiti na račun Fakulteta zaštite na radu u Nišu:

840-0000032820845-62 sa pozivom na br. 29-2026

Učesnici koji nisu blagovremeno uplatili kotizaciju mogu to učiniti prilikom registracije.

ACCOMMODATION SMEŠTAJ

The participants of the conference can book accommodation at the hotels in the vicinity of the Faculty:

Učesnici Konferencije mogu rezervisati smeštaj u hotelima koji se nalaze u neposrednoj blizini Fakulteta:

Rile Man Hotel

Vojvode Mišića 111

Phone: +381 18 528 522, Mob: +381 60 5065067

info@rilemen.com; <https://www.rilemen.com>

Hotel Niš City View

Zdravke Vučković 32

Phone: +381 60 488 92 12

niscityview@gmail.com; <https://niscityview.rs/>

Hotel Panorama Lux

Svetolika Rankovića 51

Phone: + 381 18 561-214, 560-907

info@panoramalux.co.rs; <http://panoramalux.co.rs/>

Hotel Marica

Njegoševa 81a

Phone: + 381 18 3210323, Mob: +381 63 562333

info@hotel-marica.com; <https://hotel-marica.com/>

Tami Residence Hotel

Durmitorska prilaz 1

Phone: +381 18 50 58 00, Mob: +381 62 8041950

recepcija@tamiresidence.com;

<https://www.tamiresidence.com/>

TOPICS OF INTEREST

- ☐ Noise generation and propagation
- ☐ Noise control
- ☐ Environmental noise
- ☐ Vibration generation and propagation
- ☐ Vibration control
- ☐ Effects of noise and vibrations
- ☐ Analysis of noise and vibration
- ☐ Requirements

TEMATSKE OBLASTI

- ☐ Generisanje i prostiranje buke
- ☐ Kontrola buke
- ☐ Buka u životnoj sredini
- ☐ Generisanje i prostiranje vibracija
- ☐ Kontrola vibracija
- ☐ Efekti buke i vibracija
- ☐ Analiza buke i vibracija
- ☐ Standardi i propisi

SCHEDULE OF EVENTS SATNICA

Thursday	22. 10. 2026.	Četvrtak
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09.00 - 10.00	Registration - <i>Registracija</i>
10.00 - 10.30	Opening ceremony <i>Svečano otvaranje</i>
10.30 - 11.00	Coffee break - <i>Kafe-pauza</i>
11.00 – 12.30	Presentation of papers - <i>Prikaz radova</i>
12.30 - 12.45	Break - <i>Pauza</i>
12.45 – 14.00	Presentation of papers - <i>Prikaz radova</i>
14.00 – 16.00	Break - <i>Pauza</i>
16.00 – 18.00	Presentation of papers - <i>Prikaz radova</i>
20.00	Dinner party - <i>Večera</i>

Friday	23. 10. 2026.	Petak
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9.30 - 11.00	Presentation of papers - <i>Prikaz radova</i>
11.00 - 11.15	Break - <i>Pauza</i>
11.15 - 13.00	Workshops - <i>Radionica</i>
13.00 - 13.30	Summary and closing remarks - <i>Usvajanje zaključaka i zatvaranje</i>

PROGRAMME PROGRAM

Thursday

22. 10. 2026.

Četvrtak

11.00 - 12.30

Presentation of papers - 1st session
Prikaz radova - 1. sekcija

Meeting place: Amphitheater

Mesto održavanja: *Amfiteatar*

Chairman: Prof. Nikola Holeček, Ph. D.

Predsedavajući:

Nicolae Herisanu, Bogdan Marinca, Vasile Marinca

*Nonlinear vibration analysis in the presence of Hertzian contact
by means of the optimal homotopy asymptotic method*

Alexander Andonov, Tihomir Trifonov

*Results of modeling the propagation of sound in the sound
channel in the waters of the Black Sea*

Viktor Grinchenko, Tihomir Trifonov, Volodymyr Matsypura

*Measurement of hydrophone sensitivity in a small volume water-
air chamber*

**Branko Radičević, Mišo Bjelić, Mladen Rasinac, Stefan
Pajović**

*Interdependence of noise level measurement results obtained
using instruments of different accuracy classes*

**Marko Milivojčević, Aleksandra Pavlović, Vera Petrović,
Dejan Ćirić**

*Acoustic Diagnostic Method for Early Detection of Incomplete
Combustion in Individual Cylinders of Gasoline Engines with
Indirect Fuel Injection*

Nikola Holeček

*Noise from garden tools: Measurement-based characterization,
exposure assessment and implications for low-noise design*

12.45 - 14.00	Presentation of papers – 2nd session <i>Prikaz radova - 2. sekcija</i>
Meeting place:	Room 7
Mesto održavanja:	Sala 7
Chairman:	Prof. Branko Radičević, Ph. D.
Predsedavajući:	

Vasile Bacria, Nicolae Herisanu

Ensuring acoustic comfort in a closed space for human well-being

Andreja Milojković, Ivan Mijailović, Aleksandar Milojković

Acoustic comfort in hospitality architecture: Architectural integration of acoustic wall panels in hotel and resort interiors

Violeta Stojanović, Zoran Milivojević, Dijana Kostić

Comparative Evaluation of C80 Prediction Models in a Small Lecture Hall Using RIR-Derived Experimental Values

Petar Jovanović, Momir Praščević, Darko Mihajlov

Frequency-dependent joint assessment of sound absorption and transmission loss of acoustic materials

Nikola Mišić, Milan Protić, Miomir Raos, Marjan Popović

Temporal and phase-resolved assessment of total heat release and specific mass loss of acoustic materials

Vesna Nikolić, Tamara Miladinović

Noise and learning: Cognitive and pedagogical perspectives

16.00 - 18.00	Presentation of papers – 3rd session <i>Prikaz radova - 3. sekcija</i>
Meeting place:	Room 7
Mesto održavanja:	Sala 7
Chairman:	Prof. Dragan Cvetković, Ph. D.
Predsedavajući:	

Dragan Cvetković

The significance of ground-borne noise and vibration impacts on buildings and people

Momir Praščević, Darko Mihajlov, Petar Jovanović

Environmental vibration assessment criteria for transport and construction sources: A comparative review of selected European practices

Darko Mihajlov, Momir Praščević, Petar Jovanović

Strategic environmental noise management: An evaluation of Action Planning and the case of Novi Sad agglomeration

Aleksandar Gajicki, Emir Ganić

Verification of Strategic noise map for Belgrade Nikola Tesla Airport based on noise measurements

Mirjana Bonić, Zoltan Vidaković

Determination of annual noise indicator values using different environmental noise monitoring strategies - examples of good practice in the Republic of Serbia

Mirjana Milutinović, Mladena Lukić

Explainable Machine Learning for Environmental Noise Assessment in Urban Areas

Jana Pumpalović, Emir Ganić, Bojana Mirković

Impact of approach procedures on noise exposure around Belgrade Airport

Damir Savković, Aleksandar Milenković, Danica Boljević

Noise in the zone of influence of HVAC systems output units – method and place of installation

Friday	23. 10. 2026.	Petak
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9.30 - 11.00	Presentation of papers – 4 nd session <i>Prikaz radova - 4. sekcija</i>
Meeting place:	Room 7
Mesto održavanja:	Sala 7
Chairman:	Prof. Valentina Golubović-Bugarski,
Predsedavajući:	Ph. D.

Valentina Golubović-Bugarski, Biljana Vranješ, Davorin-Rino Šikman

Assessment of whole-body vibration exposure of dump truck drivers in a mining company

Jasmina Radosavljević, Ana Vukadinović

Control of vibration at work in construction

Dragan Stojadinović, Aleksandar Đurić, Snežana Jovanović, Miroslav Jovanović, Sreten Perić

Experimental assessment of crew vibration exposure during artillery firing

Saša Čenić, Jovan Miočinović

Case study: Occupational noise and whole-body vibration exposure of backhoe-loader operator during exploratory mining

Jovan Miočinović

Calculation of occupational noise levels from ammunition firing based on testing in accordance with SRPS EN ISO 9612

Jelena Radenković, Jovan Miočinović

Case study: Occupational noise exposure in a bank cash processing centre

11.15 - 13.00	Workshop - Radionica
Meeting place:	Room 7
Mesto održavanja:	Sala 7
Title:	Technical Framework for the Development of Implementing Regulations on Environmental Noise Protection in the Process of Harmonisation with the Environmental Noise Directive (END)
Naziv:	Stručne podloge za izradu pravilnika u oblasti zaštite od buke u životnoj sredini u procesu harmonizacije sa Direktivom o buci u životnoj sredini (END)
Moderator:	Prof. Momir Praščević, Ph. D.

13.00 - 13.30	Summary and closing remarks - <i>Usvajanje zaključaka i zatvaranje</i>
Meeting place:	Room 7 - Sala 7
Mesto održavanja:	

WELCOME

