

24th International Conference APPLIED MECHANICS

Grand Hotel SERGIJO Residence****superior Piešťany, SLOVAKIA

 $19^{th} - 21^{st}$ April 2023

conference website am2023.sski.sk



www.sski.sk

ORGANIZING COMMITTEE

Ing. Juraj Paulech, PhD. juraj.paulech@stuba.sk

Ing. Michal Miloslav Uličný

michal.ulicny@stuba.sk

Ing. Šimon Berta

<u>simon.berta@stuba.sk</u>

Katarína Kermietová

katarina.kermietova@stuba.sk

CORRESPONDENCE ADDRESS

Please address the inquiries to:

Juraj Paulech

UAMT FEI STU v Bratislave

Ilkovičova 3

812 19 Bratislava, Slovakia

phone: +421 2 60291 598

e-mail: am2023@fei.stuba.sk

IMPORTANT DATES

February 19, 2023 – Deadline for registration. All participants have to register for the conference by filling the online registration form on the conference website.

February 22, 2023 – Notification of acceptance.

March 10, 2023 – Conference fee payment.

March 24, 2023 – Submission of the Extended Abstract.

CONFERENCE FEE

The conference fee which includes an electronic copy of the conference proceedings (book of Extended Abstracts), attendance at all scientific sessions, coffee breaks, meals during the conference, the social program and accommodation is

300 EUR (7 100 CZK)

Reduced fee **260 EUR (6 200 CZK)** is applicable only for students of Bachelor's or Master's degree programme.

The conference fee will not be returned in the case of absence a participant, but an alternative person can participate.

After Notification of acceptance date, the conference fee must be paid for:

Slovenská spoločnosť pre kybernetiku a informatiku pri SAV, Dúbravská cesta 9, 842 39 Bratislava, Slovakia

IČO: 00178730 DIČ: 2021513054

Bank: Tatra banka, a.s.,

Hodžovo námestie 3, 810 05 Bratislava,

Slovakia

IBAN: SK28 1100 0000 0026 6543 0020

SWIFT: TATRSKBX

Although variable symbol will be provided for individual participants, please also provide the name of persons which that fee shall cover and symbol "AM23" in the description of the bank transfer.

Slovenská Spoločnosť pre Kybernetiku a Informatiku



ORGANIZATOR

Faculty of Electrical Engineering and Information Technology



Slovak University of Technology in Bratislava

INSTITUTE OF AUTOMOTIVE MECHATRONICS

Department of Applied Mechanics and Mechatronics

kindly invite you to take part in

24th International Conference APPLIED MECHANICS

19th - 21st April 2023

which will be held in
Grand Hotel SERGIJO Residence****superior
Odborárska 7, 921 01 Piešťany-Banka
Slovakia



https://www.hotelresidence.sk/

GPS: 48°34′13.6″N 17°49′53.9″E

ABOUT THE CONFERENCE

The aim of the conference Applied Mechanics 2023 is a meeting and presentation of scientific works of students and young scientists. The organizers would like to invite researchers, scientists and academic staff who are interested in the scientific work of young beginning colleagues as well.

TOPICS OF THE CONFERENCE

- dynamics
- experimental mechanics
- noise and vibrations
- multibody dynamics
- computational mechanics
- biomechanics
- fluid mechanics
- mechatronics
- strength of materials, creep, plasticity
- fracture mechanics and fatigue
- durability and reliability of engineering structures
- structural mechanics

CONFERENCE PROCEEDINGS

The conference proceedings will contain extended abstracts of papers written in English. Instructions and templates necessary for preparation of Extended Abstract could be downloaded from the conference website. The Scientific Committee will select several best articles which, after peer review, will be published for free in <u>Journal of Mechanical Engineering</u> (Strojnícky časopis).

OFFICIAL LANGUAGES

Conference languages are Czech, Slovak, Polish and English.

SCIENTIFIC COMMITTEE

- **Pawel Bachorz**, Department of Applied Mechanics, FME SUT, Gliwice (PL)
- **Miroslav Byrtus**, Department of Mechanics, FAS UWB, Pilsen (CZ)
- **Karel Frydrýšek**, Department of Mechanics of Materials, VŠB-TUO, Ostrava (CZ)
- **Michal Hajžman**, Department of Mechanics, FAS UWB, Pilsen (CZ)
- **Radim Halama**, Department of Mechanics of Materials, VŠB-TUO, Ostrava (CZ)
- Pavel Hutař, Institute of Physics of Materials AS CR, Brno (CZ)
- **Roland Jančo**, Institute of Applied Mechanics and Mechatronics, FME STU, Bratislava (SK)
- **Pawel Jureczko**, Department of Applied Mechanics, FME SUT, Gliwice (PL)
- **Vladimír Kutiš**, Institute of Automotive Mechatronics, FEI STU, Bratislava (SK)
- Luboš Náhlík, Institute of Physics of Materials AS CR, Brno (CZ)
- **Zdeněk Padovec**, Department of Mechanics, Biomechanics and Mechatronics, FME CTU, Prague (CZ)
- Radek Sedláček, Department of Mechanics, Biomechanics and Mechatronics, FME CTU, Prague (CZ)
- **Michal Sivčák**, Department of Applied Mechanics, FME TUL, Liberec (CZ)
- **Milan Vaško**, Department of Applied Mechanics, FME ZU, Žilina (SK)