

CONFERENCE PROGRAM IIS 2022

Thursday, November 03, 2022

09:00 - 13:00 Registration

13:00 - 14:30 Opening Ceremony, Plenary speaker

14:30 - 15:00 Coffee Break

15:00 - 18:00 Presentation of papers on sessions

19:00 Gala dinner

SECTIONS:

15:00-18:00: Section: ELECTRICAL ENGINEERING AND POWER ENGINEERING

Chairman: Professor Eng. Lucache Dorin PhD

Chairman: : Assoc. Professor Eng.Zoltan Erdei PhD

1. *The use of RoboDK software in the educational process of mechanical engineers*
Ilona Kobyljanska, Iuliia Medvid, Anatolii Panchuk, Vitalii Panchuk
2. *Ecological Effects of Improving Wastewater Treatment on The Surface Waters of The Carpathian Region of Ukraine*
L. Arhypova, M.Korchemlyk, O. Mandryk, Kh.Matyiiv
3. *Transient Thermal Stress of Cylindrical Perforated Gas Burners*
Biljana Prochaska, Nebojša Radić, Petar Gvero, Predrag Živković, Cristian Barz, Gradimir Cvetanović and Branka Radovanović
4. *Incorporating renewable energy conversion systems into the urban environment*
Cezara Raț, Adela Berdie, Cătălin Ichim-Burlacu
5. *Experience in creating an innovative educational and research environment*
Shkitsa Lesya, Kornuta Volodymyr, Kulyk Tetiana and Bui Vasyl
6. *Resource-efficient solutions for the oil and gas industry*
Yatsyshyn Teodoziya, Shkitsa Lesya, Lyakh Mikhaylo and Liakh Vasyl-Danylo
7. *Cylindrical Perforated Gas Burners*
Biljana Prochaska, Nebojša Radić, Petar Gvero, Predrag Živković, Cristian Barz, Gradimir Cvetanović and Branka Radovanović

8. *Renewable Investigation of Rayleigh–Bénard Convection in a Rectangular Tank*
Predrag Živković, Mladen Tomić, Jelena Janevski, Gradimir Cvetanović, Cristian Barz, Biljana Prochaska and Branka Radovanović
9. *Overview of the impact of Covid 19 pandemics on the educational process and the economics of the educational process*
Goran Kalinić
10. *Phase Change Material - Clay Composites For Thermal Energy Storage*
Gradimir Cvetanović, Predrag Živković, Mladen Tomić, Jelena Janevski, Cristian Barz, Biljana Prochaska and Branka Radovanović
11. *Solar Collectors Application in a Residential Building*
Branka Radovanović, Predrag Živković, Jelena Janevski, Cristian Barz, Biljana Prochaska, Jovan Škundrić and Gradimir Cvetanović
12. *Pressures on environment and human health generated by bio-waste management in Maramureş County, Romania*
Irina Smical and Adina Pop-Vădean
13. *Harvesting energy from environmental sources, and the movement of the human body is the solution for powering implantable biomedical devices*
Adina Pop-Vădean and Irina Smical
14. *The electrical resistance of the lubricant film in the case of the hydrodynamic sliding bearing subjected to shocks*
Ioan Marius Alexandrescu, Radu Cotetiu, Adriana Cotetiu, Dinu Daraba
15. *The use of RoboDK software in the educational process of mechanical engineers*
Ilona Kobyljanska, Iuliia Medvid, Anatolii Panchuk, Vitalii Panchuk
16. *Modeling of the process of ensuring the accuracy of the NC-10 tapered thread manufacturing*
Oleh Onysko, Volodymyr Kopei, Sydorov Yurii
17. *Efficiency of solar panels in Maramures county*
Cristian Barz, Zoltan Erdei, Predrag Živković, Vesna Rodic, Oleh Onysko
18. *Study regarding the integration of EMCO mill and turn 55 CNC machining centers in a flexible manufacturing cell*
Cosma Marius

15:00 - 18:00: Section: FUNDAMENTAL SCIENCES, COMPUTER SCIENCES AND APPLIED MATHEMATICS

Chairman: Prof. Jung Rolf PhD

15:00 - 18:00: Mechanical Engineering and Industrial Applications

Chairman: Professor Eng. Cosma Marius PhD

Chairman: Professor Eng. Onysko Oleg PhD

Friday, November 04, 2022

09:30 - 11:00 Presentation of papers on sessions

11:00 - 11:30 Coffee Break

11:30 - 14:00 Conclusions and certificates