***CONFERENCE PROGRAM* IIS 2019**

***THURSDAY, 12 SEPTEMBER 2019***

*10:00-13:30: Registration of participants – Faculty of Engineering*

*13.00-13.30: Opening Ceremony - SENAT ROOM*

*13.30-15.30: Plenary Session*

*15.30-16.00: Coffee break*

*16.00-17.30: Plenary Session*

*17.30-17.45: Coffee break*

Approximating Problems Applied in Science and Engineering

*Mohsen Razzaghi*

Science and Society Development in Bosnia Herzegovina

*Goran Kalinić*

Project-Based Learning and Innovative Activities in Ukraine

*Lesya Shkitsa*

Analysis of Air Quality in Niš

*Predrag Živković, Mladen Tomić, Jelena Janevski, Dragana Dimitrijević Jovanović and Petar Cajić*

*19.30: Gala Dinner – EUROHOTEL Restaurant, street Piața Libertății No.6, Baia Mare*

***SECTIONS:***

*17.45-19.00: Section: ELECTRICAL ENGINEERING AND POWER ENGINEERING*

*Chairman: Professor Eng. Radu Tirnovan PhD*

*Chairman: Professor Eng. Predrag Živković PhD*

1. Automatic Selecting System for Airport Luggage

*Cristian Barz, Tihomir Savo Latinovic, Adina Pop-Vadean, Paul Petrica Pop, Adela Berdie*

1. Optimization of Data Acquisition with LabVIEW

*Attila Buchmann*

1. Architecture of the Documentary and Information Support System of the Innovation and Project Activity of the Oil and Gas University

*Lesya Shkitsa, Volodymyr Kornuta, Olena Kornuta, Iryna Bekish and Vasyl Vytvytskyi*

1. *Wind Application with Dual Stator Winding Induction Generator System*

*Sorin Ioan Deaconu, Feifei Bu, Marcel Topor, Lucian Nicolae Tutelea, Nicolae Muntean, Dan Hulea*

1. Channel Flow Numerical Simulation in PHOENICS and OpenFOAM Comparison

*Petar Caji, Predrag Živković, Dragana Dimitrijević Jovanović and Mladen Tomić*

1. The Application of Harrington's Desirability Function to Integrally Evaluate the Level of Cooperation of an Enterprise with Counterparties

*Iryna Perevozova, Nadiia Daliak*

1. Aspects Regarding the Characteristics of Electromechanically Actuators

*Horgos Mircea*

1. Analog Protection Circuits Behavior in Regards with Phase Angle of the Defect Current

*Erdei Zoltan*

1. Industry 4.0 Application Using PLC with Easy Program Environment

*Erdei Zoltan*

*17.45-19.00: Section: FUNDAMENTAL SCIENCES, COMPUTER SCIENCES AND APPLIED MATHEMATICS*

*Chairman: Prof. Eng. Nicolae Pop PhD*

*Chairman: Prof. Mohsen Razzaghi PhD*

1. Characteristics of Marketing in the Energy Sector

*Stet Mihaela*

1. A comprehensive review of Agile Scaling Methodologies in complex software development

*Ljubisa Micic*

1. Model predictive control for motion optimization of an elevator

*Nicolae Pop, Miorita Ungureanu, Ioana Craciun, Adrian I. Pop, Eliza Piroska Mastan*

1. Optimization and Control in the Movement of a Capsubot System

*N. Pop, Luige Vlădăreanu, Adrian I. Pop, Eliza Piroska Mastan*

1. Research on the Integration of Systemic Thinking Applied Technical Field

*Paul Petrica Pop, Adina Pop-Vadean, Cristian Barz, Tihomir Latinovic*

1. Research Concerning the Time Response of the Microgripper

*Simona Noveanu, Teodor Tiuca and Calin Rusu*

1. Database and Internet of Things as the Innovative Development Strategy of the Industry

*Petrovan Adrian*

1. The Importance of Digital-Network Marketing in Creating a Brand

*Costea Cristinel*

1. Platform Arduino UNO Using in Temperatures Controlling

*Sabou Sebastian*

1. The Importance of Digital-Network Marketing in Creating a Brand and Creating a Competitive Advantage

*Nikola Vojvodić, Mladen Ivić*

1. “Studhome” platform for foreigner’s accommodation

*Tania Barz, Emanuel Silviu, Cristian Barz, Adeline Berdie, Dragana Preradovic*

*17.45-19.00: Mechanical Engineering and Industrial Applications*

*Chairman: Professor Eng. Simona Noveanu PhD*

*Chairman: Professor Eng. Vitalii Panchuk PhD*

1. Implementation of Industry 4.0 in Industrial Process with PLC

*Cristian Barz, Klaus C Jalba, Jung Rolf, Rodic Vesna, Sarah Hahn*

1. Studies Concerning the Impact of Heat Treatments over the Mechanical Proprieties of the 7xxx Aluminum Alloys

*Aurica Pop, Gheorghe Iepure*

1. Optical System for a Multi-Purpose Academic Gripper

*Epple Steffen, Rolf Jung, Barz Cristian, Vasile Nasui Hello everyone!*

1. Investigation of the Accuracy Problems of the Tapered Thread Surfaces of the Pin Which Arises During its Screwing into Box

*Oleh Onysko, Volodymyr Kopei, Vitalii Panchuk*

1. Role of the Gap between the Thread Surfaces of the Box and Pin during Drill String Operation

*Vitalii* *Panchuk*

***FRIDAY, 13 SEPTEMBER 2019***

*09.30-11.30: Mechanical Engineering and Industrial Applications*

*Chairman: Professor Eng. Nicolae Ungureanu PhD*

*Chairman: Professor Eng.* *Vitalii Panchuk PhD*

1. Investigation of the Accuracy of the Tapered Thread for Drill Pipe of Small Diameter during its Operation Wear

*Iuliia Medvid*

1. Theoretical Study of the Contact Pressure between Ends of the Pin and the Box after its Half Screwing by Using of the Machine

*Volodymyr Kopei*

1. Tool Joint Special Connector of the Drill String Bottom

*Lolita Pitulei*

1. Construction of the Horizontal Drill String with Modern BHV Instrument

*Viktor Vryukalo*

1. Modern Solving of the Hydraulic System of the Rotary Drill String

*Yurii Havryliv*

*09.30-11.30: Section: ELECTRICAL ENGINEERING AND POWER ENGINEERING*

*Chairman: Professor Eng. Deaconu Sorin PhD*

*Chairman: Professor Eng. Predrag Živković PhD*

1. Communication System for Application with Arduino UNO

*Lung Claudiu*

1. Optimization of the Commutation Overvoltage in Photovoltaic Power Generation

*Neamt Liviu*

1. The Quality of Electricity Supplied to a Residential House

*Pop Eleonora*

1. Analysis of Western Rhodope Mountain Wind Energy Potentials

*Predrag Živković, Mladen Tomić, Cristian Barz, Dragana Dimitrijević Jovanović and Petar Cajić*

1. Aspects of the Use Solar Energy Valorification for City Streets Lighting System

*Valeria Mirela Brezoczki, Gabriela Filip*

1. Plant Selection Influence on Green Roof Performance

*Dragana Dimitrijević Jovanović, Predrag Živković, Valeria Mirela Brezoczki, Cristian Barz and Petar Cajić*

1. Modeling Of Environmentally Friendly Use of Renewable Energy Sources

*Oleh Mandryk, Liudmyla Arkhypova*

1. Finite Elements Analysis of Synchronous Machine

*Chiver Olivian*

*11.30-12.00: Coffee break*

*12.00-12.30: Final Discussions and Conclusions*

*12.30-13.00: Closing Ceremony*

*13.00: Social Events*