

ICoRSE 2022

Agenda

Day : 8

Month : September



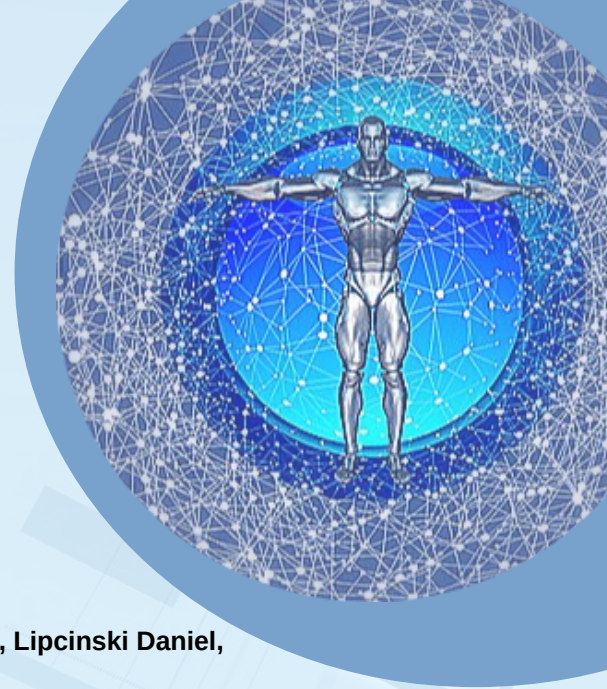
- **09:30-10:00 AM, Eastern Europe Time - Conference Opening Session**
Moderator – Andreea Stanciu, Conference Secretary
Opening Speeches delivered by:
Prof. José Machado, Dr. Habil, *University of Minho*, Portugal, School of Engineering, Mechanical Engineering Department
Doina Daniela Cioboată, PhD, *INCDMTM Scientific Manager*, Conference Chair, Romania
Mihai Mărgăritescu, PhD, *INCDMTM General Manager*, Romania
Prof. Bogdan Grămescu, PhD, *Local Organizing Co-Chair*, “Politehnica” University of Bucharest, Romania
- **10:00-10:20**
INDUSTRIAL NETWORKS PROTOCOLS PROFIBUS AND RS485 – A DESCRIPTION OF THE MOST COMMON PROBLEMS
Authors: Vítor da Cunha, Vítor Carvalho, José Machado and Filomena Soares
- **10:20-10:40**
ASSESSMENT OF METHODS FOR FAN BLADES ARRANGEMENT FOR STATIC BALANCING OF THE FAN OF A TURBOFAN ENGINE
Authors: Anna Stefanova, Georgi Georgiev, Vladimir Serbezov
- **10:40-11:00**
FORWARD DYNAMICS OF THE FIVE-BAR PARALLEL MECHANISM IN PRESENCE OF SINGULARITIES
Authors: Maurizio Ruggiu, Elio Frau, Pierluigi Rea
- **11:00-11:20**
OPTICAL FIBER BEHAVIOR UNDER INERT ATMOSPHERE
Authors: Rochdi El Abdi, Rodrigo Leite Pinto, Gaby Guérard, Christophe Capéna
- **11:20-11:40**
EFFECT OF MAGNETIZED CUTTING FLUIDS ON METAL CUTTING PROCESS
Authors: Umidjon Mardonov, Andrey Jeltukhin, Yahyojon Meliboyev, Baydullayev Azamat
- **11:40-12:00**
INFLUENCE OF THE DEPOSITION METHOD ON THE HARDNESS AND ELASTIC MODULUS OF BIOCOMPATIBLE THIN LAYERS DEPOSITED ON METALLIC SUBSTRATES
Authors: Liliana-Laura Bădiță, Aurel Zapciu, Catalin Vitelaru, Anca Constantina Parau, Lidia Ruxandra Constantin, Arcadie Sobetkii, Iulian Sorin Munteanu
- **12:00-12:20**
RESEARCH ON OPTIMIZING THE HARDENING PROCESS OF LAMELLAR SPRING SHEETS USING THE FACTORIAL EXPERIMENT METHOD
Authors: Aurel Mihail Țițu, Alina Bianca Pop
- **12:20-12:40**
COMPARATIVE ANALYSIS OF ANCHORAGE LENGTH FOR REBARS IN REINFORCED CONCRETE STRUCTURES
Authors: Julian Kasharaj, Igli Kondi, Irakli Premti
- **12:40-13:00**
INVESTIGATION OF THE SLAM PERFORMANCE OF THE MULTIROTOR MAV DEVELOPED FOR THE ANALYSIS OF ORCHARDS
Authors: Şahin Yıldırım, Burak Ulu
- **13:00-13:20 Break & Presentation of Micromachines open access journal**

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- **13:20 - Resuming the conference**
- **13:20-13:40**
HIGH SPEED ACTUATOR FOR DIGITAL HYDRAULICS
Authors: Nicolae Tănase, Cristinel Ilie, Ionel Chirita, Marius Popa, Lipcinski Daniel, Mihai Gutu, Romulus Marian Mihai
- **13:40-14:00**
TOWARDS THE IMPROVEMENT OF YARD MANAGEMENT SYSTEMS (YMS) USING RADIO FREQUENCY IDENTIFICATION (RFID)
Authors: Volodymyr Alieksieiev, Valentin Kovalenko, Vsevolod Stryzhak, Ivan Varchenko, Mariana Stryzhak, Bernhard Heiden, Bianca Tonino-Heiden
- **14:00-14:20**
THEORETICAL AND EXPERIMENTAL RESEARCH ON STEP COVERAGE OPTIMIZATION FOR INTEGRATED MICROSTRUCTURES OF THIN FILMS
Authors: Georgeta Ionascu, Elena Manea, Ileana Cernica, Edgar Moraru
- **14:20-14:40**
NOVEL FEATURES OF SPECIAL PURPOSE INDUCTION ELECTRICAL MACHINES OBJECT-ORIENTED DESIGN
Authors: Vladyslav Pliuhin, Sergiy Plankovskyy, Mykola Zablodskiy, Ihor Biletskyi, Yevgen Tsegelnyk, Volodymyr Kombarov
- **14:40-15:00**
NATURAL VIBRATIONS OF A TURBINE BLADE DURING MILLING
Authors: Sergey Dobrotvorskiy, Yevheniia Basova, Yepifanov, Valerii Letiuk, Ludmila Dobrovolska, Oleksandr Shelkovyi
- **15:00-15:20**
CREATION OF A SUPERHYDROPHILIC SURFACE WITH ANTI-ICING PROPERTIES FOR X8H0T STAINLESS STEEL USING A PICOSECOND LASER
Authors: Sergey Dobrotvorskiy, Yevheniia Basova, Ludmila Dobrovolska, Viktor Popov, Abou Samra Youseff Mounif
- **15:20-15:40**
INNOVATIVE TECHNOLOGY TO COMBAT SARS-COV USING A FINELY DISPERSED CATCHING MEDIUM AND MICROWAVE ENERGY
Authors: Borys Aleksenko, Sergey Dobrotvorskiy, Yevheniia Basova, Yevgen Sokol, Milan Edl, Ludmila Dobrovolska
- **15:40-16:00**
STEP, SERVO AND HUB MOTOR BASED HYBRID PCB PROCESSING AND PROTOTYPING DEVICE DESIGN AND ANALYSIS
Authors: Atakan Yerli, Fuad Aliew, José Machado, Eurico Augusto Rodrigues Saebra, António Alberto Caetano Monteiro
- **16:00-16:20**
CONFIGURATION OF SRR-METAMATERIAL BASED 2*1 ARRAY-TYPE RGW ANTENNA WITH CANTILEVER BEAM SWITCHING TECHNIQUE
Authors: Atik Mahabub Fuad, Ghazaleh Ramerzani, Ion Stiharu
- **16:20-17:00 Ending Session**
Final Discussions and Closing speech by:
Prof. Rochdi El ABDI, PhD, University of Rennes, France, General Conference Co-Chair
Prof. Ion STIHARU, PhD, Mechanical, Industrial and Aerospace Engineering
Director of CONCAVE, Concordia University of Canada
Friday, 9 September 2022 - Committee Member Discussions (Invitation-Based Only)

Acknowledgement

This event was supported by the project "Increasing INCDMTM performance and international involvement by supporting expertise in advanced mechatronic technologies - PERFORM-MECH", financed by The Ministry of Research, Innovation, and Digitalization, in the framework of Programme 1 – Development of the national research and development system, Sub-programme 1.2 – Institutional Performance – Projects for financing excellence in Research, Development and Innovation, Contract no. 3PFE/2021.