

# ICoRSE 2024 Agenda

5 and 6 September 2024

Conference Venue: Hotel Minerva, Strada General Gheorghe Manu 2-4, București 010445, Bucharest, Hila Hall

Thursday, 5 September 2024 – First Conference Day	
8:30-9:00	Welcome Coffee
09:00-9:15	Conference Opening Session, Moderator – Andreea Stanciu, Conference Secretary Opening Speeches delivered by: <ul style="list-style-type: none"> <li>➤ Mihai Mărgăritescu, PhD, INCDMTM General Manager, Romania</li> <li>➤ Doina-Daniela Cioboată, PhD, INCDMTM Scientific Manager, Conference Chair, Romania</li> <li>➤ Prof. José Machado, Dr. Habil, School of Engineering, Mechanical Engineering Department, University of Minho, Conference Co-Chair, Portugal;</li> <li>➤ Prof. Bogdan Grămescu, PhD, Local Organizing Co-Chair, “Politehnica” University of Bucharest (UPB), Romania</li> <li>➤ Prof. Mihail Țițu, PhD., Member of the Steering Committee of ICoRSE, Lucian Blaga University of Sibiu</li> </ul>
9:15-9:45	First Keynote Speech by Prof. José Machado, Dr. Habil, School of Engineering, Mechanical Engineering Department University of Minho, Portugal
9:45-10:15	Second Keynote Speech by Prof. Jan Hošek, PhD, Faculty of Mechanical Engineering, Czech Technical University in Prague, Czech Republic
10:15-10:45	Third Keynote Speech by Prof. Dr. Ing. Alexandru Sover, Hochschule Ansbach, University of Applied Sciences, Germany
10:45-12:30	<b>Session I: Mechatronics &amp; Robotics and Artificial Intelligence</b> Moderator: Professor Pierluigi Rea, PhD
Time	Speech/Paper Title; Authors (the presenting author is marked in blue)
10:45-11:00	REALIZATION OF VIRTUAL LABORATORY APPLICATION AND PROTOTYPE FOR A MECHATRONIC MECHANISM WITH ARDUINO UNO BOARD PROGRAMMED FOR A CUSTOMIZED SECURITY APPLICATION <i>Julian Sorin Munteanu</i> , Liviu Marian Ungureanu, Cristian Petrescu, Florentina Badea, Tudor-Catalin Apostolescu and Dana Mirela Văleanu
11:00-11:15	FORWARD DYNAMICS OF A 3T1R PARALLEL MANIPULATOR Maurizio Ruggiu, <i>Pierluigi Rea</i> and Erika Ottaviano
11:15-11:30	IMPROVING THE DRIVE OF A MULTI-OPERATIONAL MACHINE WITH A MULTI V-RIBBED BELT <i>Oleg Krol</i> , Vladimir Sokolov and Oleksandr Logunov
11:30-11:45	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING. USE CASES FOR ORGANIZATIONS <i>Aurel Mihail Țițu</i> , Marius Toderici, Dorin Vasile Deac Suteu, Maria Popa, Andreea Stanciu and Florin-Alexandru Lungu
11:45-12:00	SWITCHING-TIME AND HEAT PRODUCED AT DRIVETRAINS WITH CENTRIFUGAL CLUTCHES <i>Stefan Vöth</i>
12:00-12:15	RESEARCH RELATED TO AN OPTIMIZED DESIGN OF A SIMPLE POTENTIOMETRIC METHOD FOR REAL-TIME MONITORING AND DETECTING THE HUMAN PHYSIOLOGICAL POSTURE Anghel Constantin, Cristian Radu Badea, <i>Paul-Nicolae Ancuța</i> , Anca Irinel Atanasescu, Florentina Badea, Sorin Ionut Badea, Cătălin Ștefan Negrea
12:15-12:30	Coffee break

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<b>12:30-13:45</b> <b>Session II: Mechatronics &amp; Materials</b> <b>Moderator: Prof. Dr.-Ing. Alexandru Sover</b>	
12:30-12:45	ANALYSIS OF THE EFFICIENCY OF QUALITY CONTROL ALGORITHMS FOR MODIFIED SURFACES FOR HIGH-ERROR PROCESSES BASED ON 2D MINIATURES AND NON-VISUAL INFORMATION, Dmytro Bondar, <a href="#">Yevheniia Basova</a> and Oleksii Vodka
12:45-13:00	RESEARCHES REGARDING THE TOPOGRAPHIC ANALYSIS OF THE SURFACES OF TRANSPARENT LENSES PRODUCED BY STEREOLITHOGRAPHY ADDITIVE MANUFACTURING <a href="#">Dennis Ștefan Ion</a> and Liliana-Laura Badiță-Voicu
13:00-13:15	STUDY OF THE EFFECT OF SOLID LUBRICANT COMPOSITION ON SURFACE ROUGHNESS OF GROUND PARTS Aleksandr Rudnev, Mykhaylo Stepanov, Magomediemin Gasanov, Alexander Permyakov, Alexey Kotliar, <a href="#">Maryna Ivanova</a> and Milan Edl
13:15-13:30	RESEARCH ON USING HOT EMBOSING TECHNOLOGY FOR FABRICATION OF POLYMER MICROSTRUCTURES Georgeta Ionașcu, <a href="#">Edgar Moraru</a> , Lucian Bogatu, Tudor Cătălin Apostolescu, Elena Manea and Vlad-Andrei Stănescu
13:33-13:45	FEATURES OF MODIFICATION OF THE ROUGHNESS AND HARDNESS OF THE SURFACE OF AISI 321 STAINLESS STEEL WITH SHORT-PULSE LASER RADIATION Paweł Zawadzki, Sergey Dobrotvorskiy, Borys A. Aleksenko, <a href="#">Yevheniia Basova</a> , Dmytro Trubin, Vadym Prykhodko, Mikołaj Kościński
<b>13:45-14:15</b>	<b>Sponsors' Presentations</b>
<b>14:15-15:15</b>	<b>Lunch Break</b>
<b>15:15-17:00</b> <b>Session III: Mechatronics &amp; Sensors, Actuators, Measurement Techniques and Data Processing</b> <b>Moderator – Moderator: Prof. Mihail Țițu, PhD, Lucian Blaga University of Sibiu</b>	
Time	Speech/Paper Title; Authors; Affiliation
15:15-15:30	THE CONTRIBUTION OF A MECHATRONIC SYSTEM FOR WITHDRAWAL AND ARRANGEMENT OF MICROPHONE CABLES IN THE CONTEXT OF AUDIO SYSTEM OPTIMIZATION <a href="#">Aurel Mihail Țițu</a> , Daniel Bâlc, Adrian Bogorin-Predescu and Emanuel Bâlc
15:30-15:45	SECURING THE 18O OXYGEN ISOTOPE SEPARATION PROCESS: A FOCUS ON NETWORK DEVICES AND ACCESS SERVERS <a href="#">Petru Urs</a> , <a href="#">Vlad Muresan</a> , Mihai Hulea and Iulia Ștefan
15:45-16:00	WASTE FROM DISMANTLING OF END-OF-LIFE VEHICLES Valentina-Daniela Băjenaru and <a href="#">Simona-Elena Iștriteanu</a>
16:00-16:15	INDUSTRY 4.0. UPSIDES AND DOWNSIDES. TOWARDS INDUSTRY 5.0 <a href="#">Andreea Stanciu</a> , Aurel Mihail Țițu, Olena Hrybiuk and José Machado
16:15-16:30	<b>Final Remarks; First Conference Day Ending</b>
<b>Friday, 6 September 2024 - Networking Activities</b>	

Partners:



Sponsors:

