



International Conference on
Mechanical and Mechatronics engineering
 April 22-24,2024 | Munich, Germany

| Day-1 April 22, 2024 | |
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| 09:00-09:30 | On Spot Registrations |
| | PLENARY SPEAKERS |
| 9:30-10:10 | Title: The Ultra-Smart Cyberspace driven by the AI & Humanoid Robotics |
| | Eduard Babulak(Conference chair person of ICMME-2024), National science foundation, USA |
| 10:10-10:50 | Title: Reverse Engineering of Algebraic Inequalities: an Alternative Method for Exploring the Physical Reality |
| | Michael Todinov, Professor at Oxford Brookes University, UK |
| 10:50-11:05 | Refreshment Breaks |
| 11:05-11:45 | Title: Smart materials and structures: From 3D to 4D printing |
| | Daining Fang , Peking University, China |
| 11:45-12:25 | Title: Designing and characterizing healable aluminum alloys |
| | Aude Simar, Catholic University of Louvain, Belgium |
| 12:25-13:05 | Title: Space Robotics |
| | Timothy sands, Cornell University, USA |
| 13:05-14:05 | Lunch & Group Photo |
| | KEYNOTE SPEAKERS |
| 14:05-14:35 | Title: Mechatronics for Harsh Environments: a step-by-step approach |
| | Andrea Cammarano(Conference Co-chair) , The University of Glasgow, UK |
| 14:35-15:05 | Title: Mechatronics and Controls Innovation for Manufacturing and Biomedical Applications |
| | Ma'moun a. Abu--ayyad, Pennsylvania State University, USA |
| 15:05-15:35 | Title: will be updated soon |
| | Anil Kumar Srivastava, University of Texas Rio Grande Valley, Texas |
| 15:35-16:05 | Title: First-and-every-part-right Additive and Subtractive Manufacturing |
| | Steven Y. Liang, Georgia Institute of Technology, USA |
| 16:05-16:20 | Refreshment Breaks |
| | INVITED SPEAKERS |
| 16:20-16:40 | Title: Research and Development of Key Technologies for High Strength Gears and Bearings of New Energy Vehicles |
| | Yong Chen, Guangxi University, China |

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| 16:40-17:00 | Title: Solar-plasma reactors for the decomposition of greenhouse gases |
| | Dassou Nagassou, Penn State University, USA |
| 17:00-17:20 | Title: Numerical study on aircraft control performances using a reversed airbrake Deflection |
| | Mahboub Abdelmadjid, University of Sciences and Technology of Oran Mohamed Boudiaf, Algeria |
| 17:20-17:40 | Title: Advanced GaN-on-Silicon High Electron Mobility Transistors for High- Speed Wireless Communication Applications |
| | Hao Lu, Xidian University, China |
| 17:40-18:00 | Title: The impact of Auxiliary Engine Loads on the Fuel Economy of Light Duty Vehicles |
| | Surath Gajanayake, General Sir John Kotelawala Defence University, Sri Lanka |
| End of Day - 1 | |
| Day-2 April 23, 2024 | |
| PLENARY SPEAKERS | |
| 9:30-10:10 | Title: Computational Micropolar Fluid Dynamics in the 21st Century- Applications in Biomechanical Engineering Simulation |
| | Anwar Beg, Salford University, UK |
| 10:10-10:50 | Title: Optimal Design and Analysis of a Mimosa-Inspired Bionic Pneumatic Soft Robotic Gripper |
| | Shyh-Chour , National Kaohsiung University of Science and Technology, Taiwan |
| Refreshment Breaks | |
| 11:05-11:45 | Title: Kinematic Dynamic and Energy Characteristics of Three-Dimensional Flow from Ventricle to Descending Aorta |
| | Tin-Kan Hung, University of Pittsburgh, USA |
| 11:45-12:25 | Title: Will be updated soon |
| | John S. Baras, University of Maryland, USA |
| 12:25-13:05 | Title: Will be updated soon |
| | Carolyn Sparrey, Simon Fraser University, Canada |
| 13:05-14:05 | Lunch & Group Photo |
| | KEYNOTE SPEAKERS |
| 14:05-14:35 | Title: The Abc's of Ded(Directed Energy Deposition) |
| | Jill Urbanic, University of Windsor, Canada |

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| 14:35-15:05 | Title: Design and Implementation of a Bionic Hand, Wrist and Forearm Prosthesis, With Manipulation and Rotation Capabilities, Controlled by Artificial Intelligence Through Myoelectric Signals, Using a Training |
| | Edwin Alejandro Caizalitin Quinaluisa , <i>University of the Armed Forces, Ecuador</i> |
| 15:05-15:35 | Title: printing for electronics or sensor applications |
| | Ahmad Nourian Avval , <i>Northeastern University, United States</i> |
| 15:35-16:05 | Title: Mechatronics for Harsh Environments: a step-by-step approach |
| | Kevin Worrall , <i>University of Glassgow, UK</i> |
| 16:05-16:20 | Refreshment Breaks |
| | INVITED SPEAKERS |
| 16:20-16:40 | Title: will be updated soon |
| | Semion Polinov , <i>University of Haifa, Israel</i> |
| 16:40-17:00 | Title: will be updated soon |
| | Anton Soderqvist , <i>University of Glassglow, UK</i> |
| 17:00-17:20 | Slot Available |
| 17:20-17:40 | Slot Available |
| 17:40-18:00 | Slot Available |
| | End of Day - 02 |
| Conferene Hall-01 | Day-3 April 22, 2024 |
| | PLENARY SPEAKERS |
| 9:30-10:10 | Title: Optical Based survey using Photogrammetry to build 3D models for the structural analysis of automotive suspensions |
| | Sara Gonizzi Barsanti , <i>Vanvitelli University, Italy</i> |

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| 10:10-10:50 | Title: Hand Rehabilitation Robotics |
| | Fong-Chin Su, <i>National Cheng Kung University, Taiwan</i> |
| 10:50-11:05 | Refreshment Breaks |
| 11:05-11:45 | Title: Will be updated soon |
| | Balaram Kundu, <i>Jadavpur University, India</i> |
| 11:45-12:25 | Title: Will be updated soon |
| | Sheng Quan Xie, <i>University of Leeds, U.K</i> |
| 12:25-13:05 | Title: Will be updated soon |
| | Zuomin Dong, <i>University of Victoria, Canada</i> |
| 13:05-14:05 | Lunch & Group Photo |
| KEYNOTE SPEAKERS | |
| 14:05-14:35 | Title: Printing for Electronics or Sensor Applications |
| | Jerry Y.H. Fuh, <i>National University of Singapore, Singapore</i> |
| 14:35-15:05 | Title: Robotics |
| | Redwan Alqasemi, <i>University of South Florida, Florida</i> |
| 15:05-15:35 | Title: Digital Farming Solution by Automation using Agri-Bots, Agri-Drones, Agri-AGVs |
| | Gopal shinde, <i>Vasantrao Naik Marathwada Krishi Vidyapeeth Parbhani, India</i> |
| 15:35-16:05 | Title: LID control and its applications |
| | John Counsell, <i>University of Chester, UK</i> |
| 16:05-16:20 | Refreshment Breaks |
| INVITED SPEAKERS | |
| 16:20-16:40 | Slot Available |
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| 16:40-17:00 | Slot Available |
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| 17:00-17:20 | Slot Available |
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| 17:20-18:00 | Posters |
| Poster - 01 | <p>Title: Optimal Design and Analysis of a Mimosa-Inspired Bionic Pneumatic Soft Robotic Gripper</p> <p>Shyh-Chour, National Kaohsiung University of Science and Technology, Taiwan</p> |
| Poster - 02 | Slot Available |
| End of Day - 03 | |
| *Note: This is tentative program, timings and presentations are subject to change. | |

Previous Glimpses

