# Joint Conference on GSERITA2023 and GSEEE2023

**Thrusday October 26, 2023 | Day-1**

| 08:30-08:45 | Registrations | |
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| 08:45-09:00 | **Opening Words** | |
| 09:00-09:40 | **Title**: Theoretical Advances in (Mini and Nano) Robotic Swarms<br>**Nicola Santoro,** Carleton University, Canada | **P** |
| 09:40-10:20 | **Title:** Indoor Radio Map Construction and Localization with a Deep Gaussian Process Approach<br>**Shiwen Mao,** Auburn University, USA | **P** |
| 10:20-10:50 | **Title:** Wetting, Microstructure and Tensile Properties of Nano-Composite Solder for Electronics<br>**Jae Pil Jung,** University of Seoul, Korea | **K** |
| 10:50-11:00 | **Coffee Break** | |
| 11:00-11:30 | **Title:** Vision-Guided Robotics Intelligence and Smart Food Manufacturing<br>**Yang Tao,** University of Maryland- College Park, USA | **K** |
| 11:30-11:55 | **Title:** Deep Imitation Learning for Chesapeake Crab Jumbo-Lump Meat Extraction<br>**Mohamed Ali,** University of Maryland- College Park, USA | **I** |
| 11:55-12:20 | **Title:** Trends in Electronics Applied to Automotive Lighting Systems<br>**Maria del Carmen Montenegro Sánchez,** Valeo ILUMINACIÓN, Spain | **I** |
| 12:20-12:45 | **Title:** Some Recent Machine Learning Advancements for Embedded Systems in Robotics and Automation<br>**Turchetti  Claudio,** Universita Politecnicadelle Marche, Italy | **I** |
| 12:45-13:10 | **Title:** Application of Computational Intelligence Methods to Identification of Liquid-Gas Flow Regime in Pipeline using Frequency Domain Analysis of Signals from Scintillation Detectors<br>**Marcin Zych,** AGH - University of Science and Technology, Poland | **I** |
| 13:10-14:00 | **Group Photo** | |
| | **Lunch Break** | |
| 14:00-15:00 | **Title:** Big Data Research and Applications with Hotel Data<br>**Esther Chávez-Miranda,** University of Seville, Spain | **Workshop** |

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| **15:00-15:25** | **Title:** Balancing of Robot System Based on COM<br>**Dowan Cha,** Pai Chai University, South Korea | **I** |
| **15:25-15:50** | **Title:** Exploring the Technology Frontiers of Medical Nanorobots Combing the Patent Citation Network and Text Mining<br>**Ting Zhang,** Institute of Medical Information / Medical Library, Chinese Academy of Medical Sciences and Peking Union Medical College, China | **I** |
| **15:50-16:15** | **Title:** The Analysis of Research Status of Medical Nanorobots Based on WOS<br>**Lizi Pan,** Institute of Medical Information / Medical Library, Chinese Academy of Medical Sciences and Peking Union Medical College, China | **I** |
| **16:15-16:30** | **Coffee Break** | |
| **16:30-16:55** | **Title:** Evaluation of the Cooperative Influence of Drafting Units in Robot Biosensor Standards Network<br>**Dongzi Xu,** Institute of Medical Information / Medical Library, Chinese Academy of Medical Sciences and Peking Union Medical College, China | **I** |
| **16:55-17:20** | **Title:** Will be updated soon<br>**Richmond Adebiaye,** University of South Carolina Upstate, USA | **I** |
| **17:20-17:45** | **Title:** Will be updated soon<br>**Masud Hoseinzade,** Babol Noshirvani University of Technology, Iran | **I** |
| **End of Day 1** | | |
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| **Friday October 27, 2023 \| Day-2** | | |
| **Virtual Presentations \| Time Zone: London (GMT+1)** | | |
| **10:00-10:25** | **Title**: Consensus Reaching for Social Network Group Decision Making with ELICIT Information: A Perspective from the Complex Network<br>**Zhen Hua,** China Academy of Aerospace Systems Science and Engineering, China | **I** |
| **10:25-10:50** | **Title**: Robotics and Automation in Regenerative Medicine<br>**Laila Mahmoud Montaser,** Menoufia university, Egypt | **I** |
| **10:50-11:15** | **Title**: Circuit Theorems – Scope and Limitations<br>**Tejmal Rathore,** IIT Bombay, India | **I** |

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| **11:15-11:40** | **Title**: IoT need in Healthcare System<br>**Shrikant Upadhyay,** Cambridge Institute of Technology, India | **I** |
| **11:40-12:15** | **Title**: Spatial Audio Reproduction in the Spherical Harmonics Domain: Leveraging Sparse Methods<br>**Gyanajyoti Routray,** Indian Institute of Technology, India | **K** |
| **12:15-12:40** | **Title**: COLLIDE-PRED-AV: Accident Prediction from Aerial Videos with Deep Architecture<br>**Debarati B. Chakraborty,** University of Hull, United Kingdom | **I** |
| **12:40-13:05** | **Title**: Will be updated soon<br>**Ravi Kumar Suggala** | **I** |
| **13:05-13:30** | **Title**: The Impact of Mission Profile on System Level Reliability of Cascaded H-Bridge Multilevel PV Inverter<br>**Ranjith kumar Gatla,** Institute of Aeronautical Engineering, India | **I** |
| **13:30-13:55** | **Title**: Attention-Aware Embodied Pedagogical Agent for Skills and Knowledge Transfer<br>**Andreia Artifice,** NOVA School of Science and Technology, Portugal | **I** |
| **13:55-14:20** | **Title**: A Design Methodology for Dynamic Partial Reconfiguration Systems-on-Chip<br>**Dalbouchi Roukaya,** University of Kairouan, Tunisia | **I** |
| **14:20-14:55** | **Title**: Performance of Deer Hunting Optimization Based Deep Learning Algorithm for Speech Emotion Recognition<br>**Gaurav Agarwal,** Galgotias University, India | **K** |
| **14:55-15:20** | **Title**: Illumination Intensity-Dependent Basic Electrical Parameters and Photodetector Characteristics of the Schottky Structure with Graphene-Doped PVA Interface<br>**Murat Ulusoy,** Gazi University, Turkey | **I** |
| **15:20-15:45** | **Title**: Design and Humanities: Navigating Contemporary Challenges<br>**Cristina Portugal,** Pontifical Catholic University of Rio de Janeiro, Brazil | **I** |
| *End of Day 2* | | |
| **Saturday October 28, 2023 \| Day-3** | | |
| **Virtual Presentations \| Time Zone: Chicago, (GMT-5)** | | |
| **10:00-10:25** | **Title**: Laser-Mediated Synthesis of Bi-Based Magnetic Nanoalloys Representing Recyclable Material Usable in Different Fields<br>**Ondřej Havelka,** Technical University of Liberec, Czechia | **I** |

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| **10:25-11:00** | **Title**: Mobility Applications of Distributed Ledger Technology: Pros and Contras<br>**Natasa Zivic,** University of Applied Sciences in Leipzig, Germany | **K** |
| **11:00-11:25** | **Title**: An Introduction to Low Power Level-crossing Analog to Digital Converters for Biomedical Signal Acquisition<br>**Dorna Makarem,** Polytechnic University of Madrid, Spain | **I** |
| **11:25-11:50** | **Title**: Precision Agriculture and Precision Crop Production in Spain<br>**Ebrahim Navid Sadjadi,** Universidad Carlos III de Madrid, Spain | **I** |
| **11:50-12:35** | **Title**: Biomimetic Human Simulation With Neuro-Musculoskeletal and Neuro-Visuomotor Control<br>**Demetri Terzopoulos,** University of California, USA | **P** |
| **12:35-13:10** | **Title**: ContactlessMagnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives<br>**Philip Pong,** New Jersey Institute of Technology, USA | **K** |
| **13:10-13:55** | **Title**: The Artificial Intelligence Driven Third Millennium Ultra Smart Cyberspace<br>**Eduard Babulak,** National Science Foundation, USA | **P** |
| **13:55-14:20** | **Title**: Human Robot Interaction in the Future of Work<br>**David Eisenberg,** New Jersey Institute of Technology, USA | **I** |
| **14:20-14:55** | **Title**: Robot Team Establishment using E-CARGO<br>**Haibin Zhu,** Nipissing University, Canada | **K** |
| **14:55-16:20** | **Title**: Trends in Fault-Tolerant Control Systems Applied to Microgrids<br>**Leony Ortiz,** Universidad Politécnica Salesiana, Ecuador | **I** |
| **16:20-16:45** | **Title**: Optimal Location of Reclosers in Electrical Distribution Systems Considering Multicriteria Decision Through the Generation of Scenarios using the Montecarlo Method<br>**Alexander Aguila,** Universidad Politécnica Salesiana, Ecuador | **I** |
| **16:45-17:10** | **Title**: Impact of User and Data Volume Increase on Energy Efficiency of 5G Networks<br>**Josip Lorincz,** University of Split, Croatia | **I** |
| ***End of Conference*** | | |