



Scientific Program

3rd International Virtual Summit on Robotics, Machine Learning and Artificial Intelligence
July 19-20, 2025 | Online Conference

Robotics Summit 2025

Virtual (Teams Meeting) Time Zone: GMT+1 (London, UK)

July 19, 2025 | Opening Ceremony | 10:30-10:35 AM

Keynote Speaker Session

10:35-11:00	Title: Simulation-Based Assessment of Neutron Sources for Effective Biological Irradiation and Mutation Induction
	Dr. May Sweet , Quantum Flowers & Foods Co., Ltd., Japan
11:00-11:25	Title: Artificial Intelligence for Cyber Security Applications
	Dr. Farah Jemili , University Of Sousse, Tunisia

Plenary Speaker Session

Sessions	Artificial Intelligence Deep learning Robot Perception and Sensing Medical and Surgical Robotics Knowledge-guided Machine Learning Mechanical Engineering Application of Robotics Computer Vision and Image Processing AI for Robotics and Autonomous Systems
Sessions Chairperson	Vincenzo Manca, University of Verona, Italy
11:25-11:50	Title: Rule-based decisional assistance for a sustainable tires management in transportation sector
	Dr. Fatimaezahraa Aboumejd , Hassan II University, Casablanca, Morocco
11:50-12:15	Title: Robots, Generative AI and Interdependence. Controlling Quantum-Like Advantages
	Dr. William Lawless , U.S. Naval Research Laboratory, USA
12:15-12:40	Title: Competitive Distribution of Grb2 Among Multiple Receptor Types Reveals Signaling Hierarchies
	Dongmyung Oh, The University of Texas Medical Branch, USA

12:40-13:05	Title: Hybrid Model for Centralized Document Storage and Retrieval Using NLP Integration
	Diana Bratić, University of Zagreb, Croatia
13:05-13:30	Title: Prediction of blood-brain barrier permeability of compounds - machine learning models based on IAM chromatographic and computational descriptors
	Anna Weronika Sobanska, Medical University of Lodz, Poland
13:30-13:55	Title: Teaching Logic to Chatbotse
	Vincenzo Manca, University of Verona, Italy
13:55-14:20	Title: Integrating SAR, Optical, and Machine Learning for Enhanced Coastal Mangrove Monitoring in Guyana
	Kim Chan-Bagot, National Agricultural and Research Extension Institute, Guyana
14:20-16:30	Poster Speaker Session
P001	Title: Prognostics and health management of 120 kW IPMSM used in Electric Vehicles
	Namsu Kim, Konkuk University, Republic of Korea
P002	Title: Autonomous Control and Management Systems for Greenhouse Complexes
	Alexander Uzhinskiy, Joint Institute for Nuclear Research, Russia
P003	Title: AI and Machine Learning in Predictive Maintenance: Enhancing Efficiency and Reducing Downtime
	Victor Oriakhi, University of Salford, UK
P004	Title: In-Situ Remediation of Heavy Metal-Contaminated Sediments Using the Resuspension Technique
	Masoumeh Javid, Concordia University, Canada
P005	Title: Artificial intelligence in the L2 classroom: Implications and challenges on ethics and equity in higher education: A 21st century Pandora's box
	Deema Dakakni, University of Saint Joseph, Lebanon
P006	Title: Utilizing AI and Machine Learning in Multi-Omics and Ingredient Development for Consumer Products Innovation
	Ping Hu, Procter & Gamble Company Corporate Function Discovery & Innovation Platform, USA
Closing & Award Ceremony	

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