



2nd International Virtual Conference on Robotics, Machine Learning and Artificial Intelligence

November 16-17, 2024 | Online Conference

Scientific Program

Robotics- Artificial Intelligence 2024

Virtual (Teams Meeting)

Time Zone: GMT+1 (London, UK)

November 16, 2024

09:30-09:35

Opening Ceremony

Keynote Session

09:35-10:00

Title: Pan-Evo: The evolution of information, biology's part in this, and avoiding ASS (Artificial Simulated Stupidity)

William B Sherwin, Evolution & Ecology Research Centre, UNSW-Sydney, Australia

10:00-10:25

Title: See the Unseen : Grid-Wise Drivable Area Detection Dataset and Network using LiDAR

Christofel Rio Goenawan, Korea Advanced Institute of Science and Technology (KAIST), South Korea

10:25-10:50

Title: Human-machine teams: The advantages provided by the quantum-likeness of interdependence

William Lawless, Paine College, Augusta, USA

Plenary Speaker Session

Session
Details

Robotics & Types of Robotics ||| Deep learning ||| Robot Manipulation and Grasping ||| Robot Perception and Sensing ||| Robot Learning and Adaptation ||| Robot Motion Planning and Control ||| Human-Robot Interaction Robot Ethics and Safety |||

Session
Chairperson

William B Sherwin, Evolution & Ecology Research Centre, UNSW-Sydney, Australia

Christofel Rio Goenawan, Korea Advanced Institute of Science and Technology (KAIST), South Korea

10:50-11:15

Title: Now You See Me, Now You Don't: Why the UK Must Ban Police Facial Recognition

Jinqian Li, University of Cambridge, UK

11:15-11:40

Title: The Effect of Directional Tactile Memory of the Back of the User on Reaction Time and Accuracy

Aly El Shafei, University College London, UK

11:40-12:05

Title: Machine Learning-driven insights into phase prediction for high entropy alloys

Reliance Jain Prestige, Institute of Engineering Management and Research, India

12:05-12:30

Title: Hybrid Bio-Optimized Algorithms for Hyperparameter Tuning in Machine Learning Models: A Software Defect Prediction Case Study

	Madhusmita Das, National Institute of Technology Karnataka, India
12:30-12:55	Title: Which to Trust: Extracting Collective Wisdom Based on Opinion Quality Rank Learning Yanhong Guo, Dalian University of Technology, China
12:55-13:20	Title: Prediction of Cornea Permeability of Pesticides –Machine Learning vs. Multiple Linear Regression Models Anna W. Sobanska, Medical University of Lodz, Poland
13:20-13:45	Title: Automated Abnormalities Detection in Mammography Using Deep Learning Nourhan selim salem Mohamed, Menoufia University, Egypt
13:45-14:10	Title: Alzheimer’s disease multiclass detection through deep learning models and post-processing heuristics Rani Rahbani, European University Cyprus, Cyprus
14:10-14:35	Title: Quantification of the Uncertainty in Ultrasonic Wave Speed in Concrete: Application to Temperature Monitoring with Embedded Transducers Rouba Hariri, University Gustave Eiffel, France
14:35-15:00	Title: Stabilizing UAV Helicopter: A Genetic Algorithm and Nonlinear Control Method Amine Mehdi FIHAKHIR, University of Ghardaia, USA
15:00-15:25	Title: Assessment of the evolution of psychomotor skills in the robotic surgery simulation process Danilo Araújo Silva, Faculty of Medical Sciences of Santa Casa de São Paulo (FCMSCSP), Brazil
15:25-15:50	Title: Technologies for Increasing the Control Efficiency of Small Spacecraft with Solar Panels by Taking into Account Temperature Shock Andrey Sedelinkov, Samara National Research University, Russia
End of the Session	
Closing Ceremony	
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