

Call to Host Distinguished Lectures

The primary purpose of the SMC Society Distinguished Lecturer (DL) Program is to help Society Chapters provide interesting and informative programs to serve the needs of SMC Society members and to enhance their professional vitality by keeping them informed of new technological developments and applications. In 2024, we have several DLs and we invite all SMC Society Chapters to consider hosting one lecturer this year. Below you will find the list of 2024 SMC Society DLs and the themes of their two potential talks. More details on how to request a DL for your Society Chapter can be found at: <https://www.ieeesmc.org/chapters-communities/distinguished-lecturer-program/>

Lecturer	Country	Talk titles
Agaian, Sos S.	USA	<ul style="list-style-type: none"> Enhancing Environment Perception for Autonomous Driving with Quaternion Neural Networks Computational Perception for Image Quality Assessment and Optimization: Insights from Human Vision
Dong, Daoyi	China	<ul style="list-style-type: none"> Estimation and Control in Quantum Technology Improved reinforcement learning with applications in robotics, games and quantum engineering
Fanti, Maria Pia	Italy	<ul style="list-style-type: none"> Machine learning and deep reinforcement learning applied to cooperative, connected and automated vehicles Addressing cyber-physical systems problems by Labeled Petri Nets
Fortino, Giancarlo	Italy	<ul style="list-style-type: none"> Edge Intelligence for the Next-generation IoT Systems Towards Community-Oriented Wearable Computing Systems: A Paradigm Shift to Monitor and Control Cooperative Groups of People based on Collectives of Wearables
Han, Qing-Long	Australia	<ul style="list-style-type: none"> Dynamic Event-Triggered Distributed Coordination Control Multi-Agent Systems Based Distributed Control and Optimization in Smart Grids
Hou, Ming	Canada	<ul style="list-style-type: none"> AI Coalition: Challenges, Risks, and Future Directions Interaction-Centred Design for Responsible Human-AI Symbiotic Partnership: The Next Stage of Evolution
Huang, Yo-Ping	Taiwan	<ul style="list-style-type: none"> AIoT and its Applications AI in Product Surface Scratch/Defect Detection
Kaynak, Okyay	Turkey	<ul style="list-style-type: none"> Qua Vadis AI? So, You Want to Join the Academia!
Kozma, Robert	USA	<ul style="list-style-type: none"> Sustainable Artificial Intelligence Large-Scale Networks: From Intelligent Robotics to Emergency Response
Lai, Loi Lei	China	<ul style="list-style-type: none"> Smart Energy for Sustainability Data Analytics and Computational Intelligence in Cyber Physical Energy Systems
Maciejewski, Anthony A.	USA	<ul style="list-style-type: none"> Kinematically Redundant Robots: The Promise of Human-Like Dexterity Designed to Fail: Robotic Systems That Gracefully Degrade in Performance
Murata, Tadahiko	Japan	<ul style="list-style-type: none"> Multi- and Many-Objective Optimizations Using Evolutionary Computation Methods Real-Scale Social Simulations Using Societal Synthetic Populations in Digital Twin
Nahavandi, Saeid	Australia	<ul style="list-style-type: none"> Emerging haptically-enabled systems for immersive simulation-based training: Design, Development, and Deployment Transitioning from Industry 4.0 to Industry 5.0: A Human-Centric Approach
Pelillo, Marcello	Italy	<ul style="list-style-type: none"> Artificial Intelligence and Robotics Meet Cultural Heritage: The RePAIR Project Looking for Patterns in Data: An Evolutionary Game-Theoretic Perspective
Shi, Peng	Australia	<ul style="list-style-type: none"> Security issues for cyber-physical systems: modeling, detection and design Design on multi-agent systems: consensus and formation
Wang, Fei-Yue	China	<ul style="list-style-type: none"> From Artificial Intelligence to Automation of Intelligence: ACP-based Parallel Intelligence in CPSS Social Computing and Knowledge Automation: The Intelligent Science and Technology for Building Digital Twins in Metaverse and Beyond
Wang, Junmin	USA	<ul style="list-style-type: none"> Human-Centric Robotics and Machine Intelligence for Transportation Brain-Inspired Efficient and Adaptive Autonomous Robots
Zhou, Mengchu	USA	<ul style="list-style-type: none"> A New Intelligent Optimization Paradigm to Solve Complex Optimization Problems Internet of Behaviors: Concept, Architecture, Technology, Applications, and Challenges