

Parallel Sessions

Venue: UCF Fairwinds Alumni Center
All Times are USA Eastern Standard Time

Tuesday, June 17, 2025

	Room 1 – Onsite	Room 2 Onsite	Room 3 Onsite	Room 4 Onsite	Zoom Room 6 - Virtual
7:00	Registration – UCF Alumni Center				
8:00	Conference Opening Preparation	Grad Competition AI-ML Competition	Artificial Intelligence and Data Science	Best Practices Industry 4.0	8:00 – 11:00 Undergraduate Competitions High School Competition 11:00 – 1:00 AI and Data Science Human Factors and Ergonomics
9:00	Conference Chair and IEOM President Remarks				
9:10	Host Welcome Address – Michael Georgiopoulos, Ph.D., Dean, UCF College of Engineering and Computer Science				
9:30	About the UCF Partnerships Office - Cody Gill and Jennifer Wolf, Executive Directors of Partnership, UCF Office of Partnerships				
9:40	Keynote I: Barbara Brown, Director, Exploration Research and Technology Programs, NASA, Kennedy Space Center, Florida, USA				
10:20	Keynote II: David Stubsten, Senior Manager, Development – Industrial Engineering, The Walt Disney Company, Orlando, Florida				
11:00	Break				
11:20	Keynote III: Lee R. Lambert, A Founder of the PMP, Powell, Ohio, United States				
11:50	Keynote IV: Dr. Christopher Mejia, Research Scientist, MIT Center for Transportation & Logistics, Director, MIT SCALE Network for Latin America and the Caribbean, Director, MIT Graduate Certificate in Logistics and SCM (GCLOG) program, MIT, MA				
12:30	Keynote V: Michael Tanis, Sr Manager Industrial Engineer, Blue Origin, Merritt Island, Florida, USA				
1:10	Buffet Lunch				
2:00 – 6:00 pm Poster Session and Poster Competition – Foyer Area					
2:00	Panel 1: The Power of Operations Research and AI: Success Stories and Emerging Trends	Workshop 1: Six Sigma Workshop (Yellow Belt Level)	Competitions: UG Research UG Paper	Simulation, Optimization, Productivity	2:00 – 4:00 AI and Data Science
3:30	Break				
4:00	Panel 2: Navigating the Future: Industry 4.0 and 5.0 for Smart and Sustainable Manufacturing and Services	Workshop 2: AI and Machine Learning	Doctoral Competition MS Competition	Six Sigma SCM	4:00 – 6:00 Senior Design Competition

Wednesday, June 18, 2025

	Room 1 – Ballroom	Room 2 Onsite	Room 3 Onsite	Room 4 Onsite	Room 6 - Virtual
7:30	Registration				
8:00	Senior Project Competition Simulation Competition	Simulation, Optimization and Productivity Improvement	Quality, Reliability and Maintenance	Sustainability SCM	8:00 – 10:00 Simulation Competition
9:30	Keynote VI: Dr. Waldemar Karwowski, Pegasus Professor and Chairman, Department of Industrial Engineering and Management Systems, University of Central Florida, Orlando, Florida, USA				10:00 – 12:00 Engineering Management and Project Management
10:10	Keynote VII: Dr. Ivan Garibay, Associate Professor, Industrial Engineering and Management Systems, Director, UCF Artificial Intelligence and Big Data Initiative, Director, Master of Science in Data Analytics, University of Central Florida				
10:50	Break				
11:00	Keynote VIII: Javad Mokhbery, CEO and President, FUTEK Advanced Sensor Technology, Inc., Irvine, California, United States				
11:40	Keynote IX: Mitchell Rabinowitz, PhD, MPH, Research Administrator, Icahn School of Medicine at Mount Sinai, New York, USA				
12:20	Keynote X: Dr. Soheil Sabri, Director, Urban Digital Twin Lab, Ambassador of Academia and Research at Digital Twin Consortium, School of Modeling Simulation and Training, University of Central Florida, Orlando, Florida, USA				
1:00	Buffet Lunch				
2:00	Panel 3: Integrating AI into Engineering Curricula: Current Trends and Future Directions	Workshop 3: Agent-Based Simulation (using AnyLogic) – Basic	Lean Six Sigma Competition SCM Competition	Engineering Management HF	2:00 – 4:00 Lean Six Sigma and Operations Excellence
3:30	Break				
4:00	Panel 4: Bridging Disciplines: Adv Project Management, Systems Engineering, and Engineering Management Education & Certification	Workshop 4: Empowering Leadership Through Emotional Intelligence	Workshop 5: Workshop on Smart and Microgrid	Digital Manufacturing, Industry 4.0 and IoT HF	4:00 – 6:00 Engineering Management and Project Management

Awards Ceremony and Dinner Buffet

7:00 – 9:00 pm, June 18, 2025 – UCF Engineering Atrium (Between Engineering Buildings I and II)

Thursday, June 19, 2025

	Room 1 – Ballroom	Room 2 Onsite	Room 3 Onsite	Room 4 Onsite	Zoom Room 6 - Virtual
7:30	Registration				
8:00	Supply Chain and Logistics	Engineering Education and Curriculum Improvement	Entrepreneurship and Innovation	Automation and Autonomous Systems Ergonomics	8:00 – 10:00 Digital Manufacturing, Industry 4.0 and IoT
10:00	Keynote XI: Dr. Cristian Barria, Professor, Director, Master of Engineering and Information Security, Universidad Mayor, Santiago, Chile				10:00 – 12:00 Doctoral Dissertation Competition sponsored by Airbus
10:40	Keynote XII: Emmanuel Urquieta, M.D., Vice Chair of Aerospace Medicine and Associate Professor of Medicine, UCF-College of Medicine				
11:20	Break				
11:40	Keynote XIII: Professor Christopher S. Cerqueira, Brazilian Aeronautics Institute of Technology (ITA), São José dos Campos, Brazil				
12:20	Keynote XIV: Khaled El Dorry, Director, Reliability and Maintenance Engineering – North America Fulfilment (NACF), Amazon, Orlando				
1:00	Buffet Lunch				
2:00	Panel 5: Teaching Discrete-Event Simulation in IE: A Comparative Study of North and South American Approaches	Workshop 6: Toyota Kata by Dave Harry	Artificial Intelligence and Data Science	Manufacturing Business Management	2:00 – 4:00 Engineering Education and Curriculum
3:30	Break				
4:00	Panel 6: Future Spaceports and Aerospace Operations: Integrating AI, Space Logistics, and Innovation	Workshop 6: Toyota Kata by Dave Harry	Manufacturing and Project Management	Business Management Sustainability	4:00 – 6:00 Supply Chain Quality