8:00-8:45 AM	Microelectronics System Education Workshop Breakfast
8:45-9:00 AM	Welcome, Overview
9:00-10:00 AM	Keynote: M.W. Ohland
10:00-10:10 AM	Coffee Break
10:10 AM-11:30 AM	Session 1: Gen AI, Team Learning Immersive Activity #1
11:40 AM - 1:10 PM	Lunch
1:10 PM - 5:00 PM	Session 2: Extended Reality, LLMs Coffee Break Session 3: Panel: Gen AI Immersive #2, #3 Demo #1

Keynote:

Title: GenAI Applications in Education

Dr. Matthew W. Ohland
Dale and Suzi Gallagher Professor and Associate Head of Engineering Education
Purdue University, West Lafayette, IN

Microelectronics Systems Education Workshop Session #1

Tuesday, July 1 10:10 AM - 11:30 AM	Microelectronics Systems Education Workshop Paper Presentation Session #1: GenAI & Team Learning Chair: Ronald DeMara Integrating Generative AI into Microelectronics Education: Implications for Learning and Pedagogical Practice Mike Borowczak and Andrea Borowczak PeerCollate: A Peer-Centered Team Learning Approach to Digitized STEM Lab Activities and Assessments Mousam Hossain and Adrian Tatulian Immersive Activity #1 Summer Training, Awareness, and Readiness for Semiconductors (STARS) – How To Mark Johnson and Ben Tanay

Microelectronics Systems Education Workshop Session #2

Tuesday, July 1 1:20 PM - 2:10 PM	Microelectronics Systems Education Workshop Paper Presentation Session #2: Extended Reality & LLMs Chair: Brian Skromme AI-Driven Microelectronics Education Using Digital Twins and Extended Reality Ruoshan Lan and Ehsan Azimi Compression-Assisted Zero-Shot Prompting of Large Language Models (LLMs) for Educational Skill Classification of Microprocessor Curricula Paul Amoruso and Ronald DeMara Coffee Break (2:10 - 2:20 PM)

Microelectronics Systems Education Workshop Session #3

Tuesday, July 1 2:20 PM - 5:00 PM	Microelectronics Systems Education Workshop Session #3: Panel Discussion & Activities/Demos Chairs: Ron DeMara and Brian Skromme Panel Discussion: GenAI in Microelectronics Education Moderators: *Ronald DeMara (University of Central Florida) and Brian Skromme (Arizona State University)* Panelists: *Mike Borowczak (University of Central Florida), Rakesh Mahto (Cal State Fullerton), Onyema Osuagwu (Morgan State University), Soheil Salehi (University of Arizona), and Himanshu Thapliyal (University of Tennessee, Knoxville)* Immersive Activity #2: Smart Immersive Training for Microelectronics Education Ruoshan Lan and Ehsan Azimi Immersive Activity #3: Digitally-Mediated Team Learning in STEM Courses Ronald DeMara and Paul Amoruso Demo: Circuit Tutor: A Step-Based Tutoring System for Linear Circuit Analysis Brian Skromme