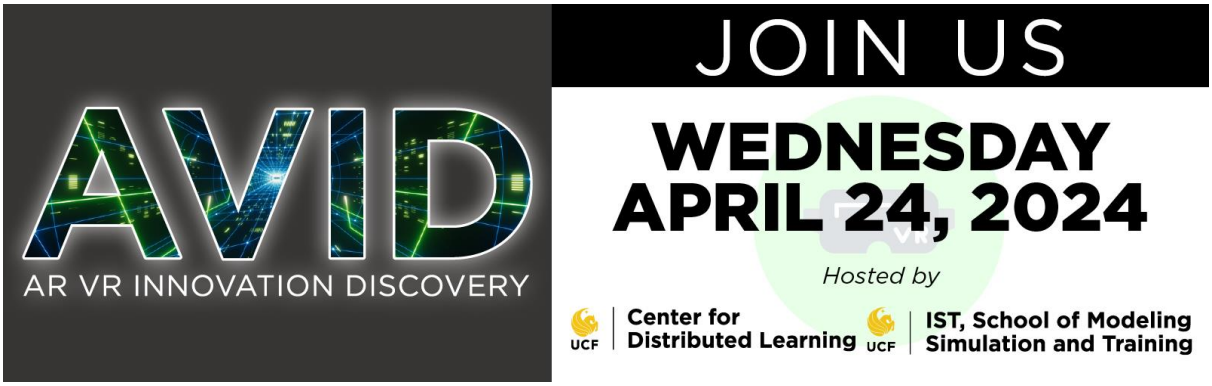

Venue: The Digital Twin Lab, Room 303 on the 3rd floor of the Partnership II Building: 3100 Technology Parkway, Orlando, FL 32826.
Time: April 24, 2024 (1:00 – 4:00 PM EST)

1:00 – 1:10
Welcome to AVID - Introduction to Digital Twin Lab
Dylan Yonts, Rocco Fazzalari, Michael Eakins

Welcome to the spring – April 2024 AVID event. This AVID event is a showcase event where we highlight the great work being done in our UCF community regarding AR/VR/MR innovations. We graciously welcome you to join us in the IST, School of Modeling, Simulation, and Training where cutting edge technology is being used to support UCF faculty, students, staff, and research/business partners to lead innovation in MS&T tools, processes, knowledge, and systems to solve the world's toughest challenges and positively impact society.

1:10 – 1:45 PM
Panel: Exploring the Use of Innovative Technologies in IST-SMST Labs

- **Michael Eakins**, Creative Lead, Mixed Emerging Technology Integration Lab (METIL), IST-SMST
- **Carsten Neumann**, Research Scientist, Virtual and Augmented Reality Lab (VARLab), CECS & SMST
- **Scott Malo**, Production Manager, Engage to Innovate (E2i) Creative Studio, IST-SMST
- **Dr. Crystal Maraj**, Director, Realistic Assessment of Performance in Devices (RAPID) Lab, IST-S
- ***Moderator: Rae Hanson**, Information Architect, Engage to Innovate (E2i) Creative Studio, IST-SMST*

1:45 – 2:00 PM
Panel Q&A

2:00 – 4:00 PM
Demonstration Exploration & Conversations (DTL: placed throughout 306 space

- Mixed Emerging Technology Integration Lab (METIL)
- Engage to Innovate (E2i) Creative Studio
- Team Performance Lab (TPL)
- Realistic Assessment of Performance in Devices (RAPID) Lab/Robotics Club of Central Florida
- Modeling & Simulation Graduate Program

Panelist Bios:

- **Mike Eakins** is the Creative Lead of the Mixed Emerging Technology Integration Lab (METIL) at the Institute for Simulation & Training and has 9+ years of experience in the field of 3D modeling and animation for simulation and gaming. He received his M.F.A. in Digital Media at the University of Central Florida in 2017. Since joining the lab, he and his team have made numerous contributions to projects with their work in virtual and augmented reality, medical and healthcare simulations, interactive decision-based simulations, interactive narrative, game design, instructional design, and other METIL research initiatives. His work has been presented at MODSIM World, I/ITSEC, MedBiquitous, Training Magazine, and on local and international news outlets such as BBC Click.

- **Carsten Neumann** is a Research Associate in Computer Science at the University of Central Florida and a research scientist with the VARLab group led by Dr. Carolina Cruz-Neira. He has been working in Virtual Reality for over 13 years. Carsten holds a MSc in Mathematics from the Technische Universitat Darmstadt in Germany.

- **Scott Malo** is the Production Manager at the Engage to Innovate (E2i) Creative Studio. Scott graduated from the University of Central Florida with a bachelor's degree in digital media. From there he worked at UCF's Institute for Simulation and Training developing as an early pioneer in cutting edge mixed reality applications for training and visualization projects for a variety of industries. Scott then moved on to video game development at studios such as Electronic Arts and Human Head Studio, making AAA titles for various platforms including PC and multiple generations of consoles. He has also spent time as an entrepreneur running an animation studio focused on service-based prerendered animations for oil and gas, medical and other industries. During his time at E2i, Scott enhanced his production development knowledge by delivering applications on new platforms including VR and AR devices.

- **Dr. Crystal S. Maraj** is a Research Assistant Professor at the Institute for Simulation and Training (IST). Dr. Maraj works with the Simulation & Training Technology Center (STTC) as a Researcher on medical simulation technology projects as well as developing and implementing empirically

based research experiments for Simulation-Based Training (SBT) platforms. Dr. Maraj has published research findings to inform the scientific and training communities to improve trainee performance and training system utility. She leads the Realistic Assessment of Performance in Devices (RAPID) lab focusing on the evaluation of VR/AR technologies assessing capabilities, deficiencies, specifications, costs, maturity and risks. These evaluations inform the military community of the technology readiness of devices. In addition to leading the RAPID lab, Dr. Maraj also manages the Robotics Club at UCF. She mentors students as they prepare for local and national robotics competitions.

Thank you for coming!

Dylan Yonts, Rocco Fazzalari

Please stay tuned for the next AVID event by subscribing to our email list. We would love to showcase your center if you are interested in hosting a future AVID event; if so, please email Rocco.Fazzalari@ucf.edu and Dylan.Yonts@ucf.edu.