

ScooterLab Workshop 2025 - Program

Time (CDT UTC-5)	Session	Details
8:00 – 8:45	Check-in & Breakfast	
8:45 – 8:50	Opening Remarks	Fred Martin Department Chair, Computer Science
8:50 – 9:00	Welcome Message & Logistics	Murtuza Jadliwala
9:00 – 10:00	Introduction to ScooterLab	Raveen Wijewickrama, Buddhi Ashan M.K.
10:00 – 10:30	Coffee Break & Networking	
10:30 – 11: 00	Invited Talk Session Chair: Sushil K. Prasad	Deepankar (Deep) Medhi NSF Program Director Title: NSF CIRC and MRI Programs
11:00 – 12:00	Keynote 1 Session Chair: Greg Griffin	Christopher Cherry University of Tennessee, Knoxville Title: Instrumented Micromobility: Opportunities to get the most out of the best modes
12:00 – 01:15	Lunch	
	Community Advisory Board Meeting Session Chair: Anindya Maiti	Community Advisory Board meeting (Invite only. Room (325))
01:15 – 02:15	ScooterLab Research Collaboration Talks I 4 talks. 15 minutes each Session Chair: Sushil K. Prasad	Scouting in the Heat: E-Scooters As Sensors and Mobility Enablers During Periods of Extreme Heat. <i>Rounaq Basu</i>
		Multivector Attack Analysis of Location and Trajectory Disruption in Shared Micromobility Platforms. <i>Mohammad Ashiqur Rahman</i>
		Accessible Path Mapping for All: <i>Leveraging ScooterLab</i> for Multimodal Wheeled Mobility Analytics <i>Vaskar Raychoudhury</i>
		Integrating Heat and Air Quality Data into ScooterLab. <i>Esteban Lopez Ochoa</i>

2:15 – 3:15	Keynote 2 Session Chair: Murtuza Jadliwala	Jason Hallstrom Florida Atlantic University Title: Research Infrastructure: History, Impact, & Experience
3:15 – 3:30	Coffee Break & Networking	
3:30 – 4:15	ScooterLab Research Collaboration Talks II 3 talks. 15 minutes each Session Chair: Anindya Maiti	SAFERIDE: AI-Powered Rider Behavior Monitoring and Risk Mitigation for E-Scooters. <i>Subasish Das</i>
		Detect Near-Miss Collisions and Identify Hotspots for Electrified Scooters Using Artificial Intelligence and Sensor Data. <i>Shunhua Bai</i>
		Enhancing Micromobility Safety through Scooter-Based Multimodal Sensing. <i>Xueyin Bai</i>
4.15 - 4.30	Invited Talk Session Chair: Murtuza Jadliwala	Paul Rad University of Texas at San Antonio Title: Digital Twin Integrated with Large Language Model (LLM) Agentic Workflow for Urban Modeling
4:30 – 5:30	Panel on Micromobility-Supported Sensing	Moderator: Greg Griffin Panelists: <ul style="list-style-type: none"> • Shunhua Bai, Texas A&M Transportation Institute • Janille Smith-Colin, Southern Methodist University • Rounaq Basu, Georgia Institute of Technology • Kristen Brown, University of Texas at San Antonio
5:30 – 5:45	Concluding Remarks	Murtuza Jadliwala, Sushil K. Prasad, Greg Griffin, Anindya Maiti
5:45 – 6:30	Posters, Demos & Networking Coordinators: Khoi Trinh, Nazmus Sakib	Weston Conference Center
6:30 – 7:30	Dinner	Weston Conference Center