

South Carolina Research Authority (SCRA) and ASTM International invite you to attend!

EVENT: **Unleash the Bots: TECH DEMO DAY**

DEMOS: Autonomous Mobile Robots (AMRs), Cobots, and Mobile Manipulators
DATE: Tuesday, April 4
TIME: 9:00 am – 5:00 pm
PROGRAM: 9:30 am – 4:00 pm
COST: \$30.00/person; LUNCH and Refreshments Included
LOCATION: Clemson University International Center for Automotive Research (CU-ICAR)
TD Gallery
5 Research Drive, Greenville, SC 29607

Tentative AGENDA

- 9:00 Networking and TECH DEMOS
- 9:30 Welcome, Topic Overview, and Program Outcomes
Catherine Hayes, Industry Manager, South Carolina Research Authority (SCRA)
Aaron Prather, Director of Robotics and Autonomous Programs, ASTM International
David Clayton, Executive Director, CU-ICAR
- 9:55 **Benchmarking Manufacturing/Logistics Applications**
- Industry partners share actual Use Cases and Applications
 - SCRA PILOT Project: Drobot, Inc. and AFL Global
- 10:30 **State of the Technology & Market:** AMRs, Cobots, Mobile Manipulators
Aaron Prather, Director of Robotics & Autonomous Programs, ASTM International
- What are common issues across manufacturers?
 - What problems does current technology solve?
 - What's in the Pipeline for new HW/SW solutions?
- 11:00 **OSHA'S New Robot Safety Chapter**
Jamison Harrell-Lathan, Global Safety Engineer, Amazon
- 11:45 **Human in the Loop**
PlusOne Robotics
- 12:00 Networking LUNCH
- 12:45 **TECH TALKS/TECH DEMOS**
Moderator: Catherine Hayes, Industry Manager, SCRA
- Vendors present TECH TALKS and TECH DEMOS of their solutions
 - **CONFIRMED:** Auit, Bosch-Rexroth, Plus One Robotics, UR, Vecna Robotics, Yaskawa

- University Research – Industry Applications (Campbell Center)
Dr. Yunyi Jia, McQueen Quattlebaum Associate Professor; Director, Collaborative Robotics and Automation (CRA) Lab

2:45 BREAK and Vendor Discussions

3:15 **NEXT STEPS for the Industry:** Industry Roundtable discussion on what's needed to improve solutions.

Moderator: Dr. Bill Billotte, Director, Global Exo Technology Programs, ASTM International

- Engineering design changes
- Interface/interoperability issues
- Standards to build and test consistently
- Research thrusts - what research is needed and how can you engage?

Dr. Venkat Krovi, Michelin Endowed Chair Professor of Vehicle Automation

4:00 **Open FORUM:** TECH DEMOS and Networking with Industry Partners
Refreshments

5:00 Adjourn

HOSTED BY

