

Senate Robotics Demo Day
April 30th 2024

Exhibitor Information

California

Dexterity Inc.

Michael Perry



DexR

Embodied, Inc

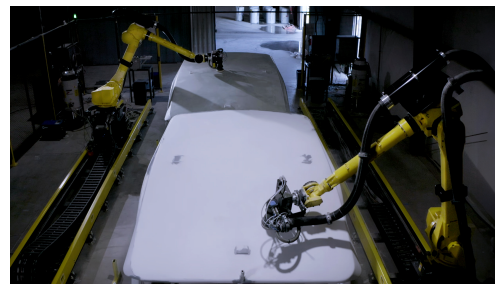
Paolo Pirjanian
Rachel Baynes



Moxie AI Robot

GrayMatter Robotics

Ariyan Kabir
Satyandra K. Gupta
Fernando Protti



Smart Robotic Cells powered by GMR-AI™

Knightscope

Mark Dallesandro
Robert Mocny
Stacy Stephens



Autonomous Security Robots

Squishy Robotics

Douglas Hutchings



Unattended Ground Sensors

Nvidia Robotics

Gerard Andrews
Spencer Huang
Meg King



Nvidia Robotics

Reshape Automation

Juan Aparicio



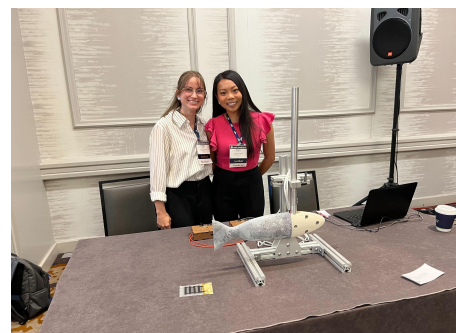
Reshape Platform

Florida

University of Florida

Patrick Musgrave

Eric Jiang



Nebula, the soft robotic fish

Illinois

Uni of Illinois, Urbana-Champaign

[Huimin Zhao](#)



Cloud Biofoundry

Indiana

Indiana University

[David Crandall](#)

Weslie Khoo

Long-Jing Hsu



IRIS

Purdue University

[Martin Byung-Guk Jun](#)

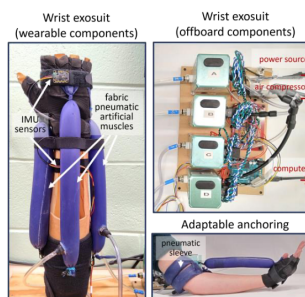
[Richard Voyles](#)

[Ragu Athinarayanan](#)

University of Notre Dame

[Margaret Coad](#)

Wrist exosuit:



Human Movement Assistance

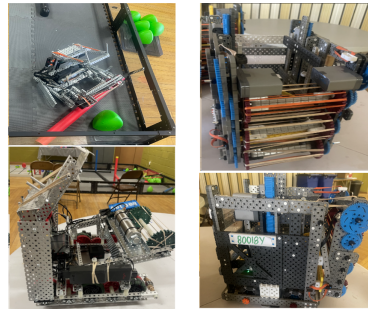


"Vine Robot"

Maryland

Hazelwood Elementary RoboOwls

Student Robo VEX teams
(Baltimore) - 5th-8th graders



VEX IQ Robots

Peraton Remotec

Kevin Hagan
Tyler Yingling
Scott Cooper

Also located in AL, GA, MT, & VA



Andros Wolverine

Johns Hopkins University

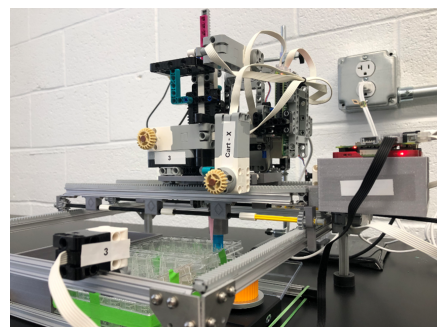
Preshit Ameta
Ahan Kamal Dalia
Anway Pimpalkar



Pneumatactor Arrays for
High Frequency Vibrotactile Feedback

National Institutes of Standards & Technology (NIST)

[Aaron Gilad Kusne](#)
[Francesca Tavazza](#)
Ryan Kim
Ichiro Takeuchi

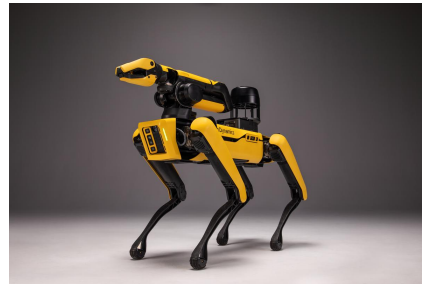


The LEGOLAS Kit

Massachusetts

Boston Dynamics

Brendan Schulman
Tony Sampa



Spot Robot

University of Massachusetts, Lowell

Holly Yanco

Greg Trafton, NRL

Anthony Harrison, NRL

Eugene Chabot, NUWC

Nora Ayanian, Brown Uni

Brown & NUWC located in RI.



Long-Term Autonomy using Spot Robot

Michigan

Association for Advancing Automation

Jeff Burnstein

Mackenzie Johnson

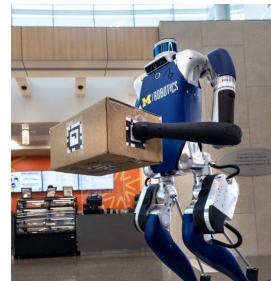


University of Michigan

Chad Jenkins

Jace Aldrich

Anthony Opipari



Digit Humanoid Robot

FANUC Corporation

Paul Aiello
Joe Baldiga
Jon Potter
Gabe McCreedy

**Regional offices: AL, GA, IL, CA,
MA, MN, NC, NJ, OH, TX, & WA**



FANUC CRX Cobot Training Cell

SICK

John Ashodian
Nick Longworth
Ron Jubis
Spencer Tully
Nick Sonski
Kevin Welsch



AI-Enabled Manufacturing: Collaborative
Inspection with SICK AI-Vision

New Mexico

University of New Mexico

[Melanie Moses](#)



Project VolCAN

New York

University at Buffalo

[Karthik Dantu](#)
[Srirangaraj Setlur](#)

Yash Turkar
Charuvahan Adhivarahan
Timothy Chase
Bhavin Jawade

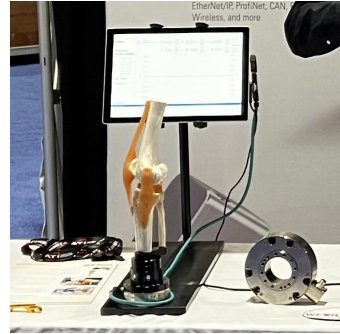


Misty Robot

North Carolina

ATI Industrial Automation

Matthew Dockstader
Nicholas Damiano



Multi-Axis Force/Torque Sensor

Ohio

Automation Rangers

Dan Junkers
Chris Edwards
Mark Gagas

**Regional offices: AL, AR, AZ, CA,
CO, KY, MI, MN, MO, OR, PA, TX,
VA, WA, & WI**

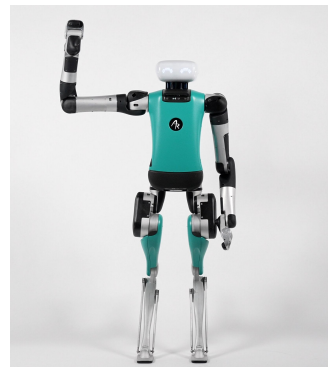


3D Point Cloud AI Safety Sensing System

Oregon

Agility Robotics

Melonee Wise
Pras Velagapudi



Digit, a human-centric robot

Pennsylvania

Carnegie Mellon University

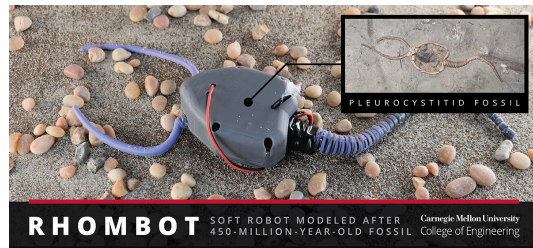
[Carmel Majidi](#)

[Wennie Tabib](#)

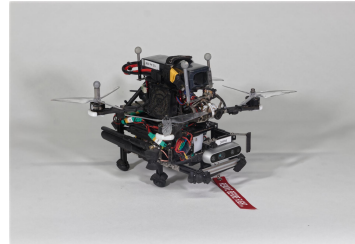
[John Stecklein](#)

Richard Deatnik

Nathan Zimmerer



Rhombot



Cave-Exploring Robots for Search & Rescue

Gecko Robotics

Sam Linn

Ed Bryner

Myles Cramer

James Atkin

Chase David

Ahmed Humayun



Gecko Robotics wall climbing robots

South Dakota

DeGeest Corporation

Derek DeGeest

Alicia DeGeest



Lesta Self-Learning Robots

Texas

Motogo, LLC

David Ruth
Pamela Shipp



Secure Robotic Goods Delivery
with AI Smart, Reusable Parcels

Virginia

Old Dominion University

Krishnanand Kaipa



Bio-inspired Robotic Crawlers

George Mason University

Xuesu Xiao
Aniket Datar
Anuj Pokhrel
Mohammad Naeri



Verti-Wheelers

Washington

Washington State University

Nestor Perez-Arancibia



Bioinspired Microrobotic Swimmers