Station 4: Mission Command and Control Center

Actionable Intelligence for Emergency Response

Big Data Analysis and Behavior Simulation

- MATLAB optimization of the mission resources for all the incoming help requests
- Visualization of the robots, drones, and vehicles dynamics in Simulink interface to Google Earth



Collaborative Systems Lab (Boeing)

MathWorks®



Booth Map

Station 4 **Mission Command and Control Center**

(MathWorks)



Station 3 Drone-Carried On-Demand Wi-Fi Networks



Smartphone App for Emergency Response (University of North Texas) Help requests 7







Station 2





Station 5

Humanoid Robot for Emergency Response

(Worcester Polytechnic Institute)

Exit

Station 6 Teleoperated Robot for Emergency Response

(BluHaptics | National Instruments | University of Washington)

Station 1 **Cyber-Physical Search and Rescue Dog**

(North Carolina State University)

(MIT Media Lab)











BluHaptics | Boeing | MathWorks | MIT Media Lab | National Instruments | North Carolina State University University of North Texas | University of Washington | Worcester Polytechnic Institute

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