Station 1: Cyber-Physical Search and Rescue Dog

**Computer-Aided Canine Training and Handling**

**Technology-Enhanced Wireless Two-Way Communication with Working Dogs in the Field**

- Remote command inputs to canines
- Physiological canine monitoring
- Behavioral canine monitoring
- Environmental monitoring

**Booth Map**

Station 1: Cyber-Physical Search and Rescue Dog

Station 2: Smartphone App for Emergency Response

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

Station 4: Mission Command and Control Center

Station 5: Humanoid Robot for Emergency Response

Station 6: Teleoperated Robot for Emergency Response

**Entrance**

**Relay**

**Deploy**

**Help requests**

**Sensor data**

**Collaborative Systems Lab** (Boeing)

**Exit**