Bringing together practitioners, technologists, developers, academia, industry partners and the military to build and demonstrate product prototypes that enhance the security of cyber physical systems (CPS).

Physical systems include all sorts of connected controllers that are necessary to run applications such as building controls, medical systems, military bases and utilities.

Challenge area experts and technical mentors will be available to work with teams on their concepts. In addition, a building control system testbed and network capture data sets will be available for concept development and demonstration. The data sets will include network traffic from the Internet Protocol network and multiple serial protocol networks captured during normal operation and while the system is experiencing different types of cyber attacks.

This event will be held simultaneously at the CU Boulder and UN Omaha locations.

**Challenge Focus Areas**

During the Hackathon teams will develop prototype concepts that address the following aspects of physical cyber security:

- **Prepare**
  - Dealing with known vulnerabilities
  - Functional patches

- **Detect**
  - Monitoring Tools Visualization
  - Forensic Tools

- **Respond**
  - Communication and response coordination
  - Equipment isolation and recovery

**Hackathon solutions will be evaluated on:**

- Potential impact of proposed solution on challenge area
- Customer validation for proposed solution
- Level of demonstration of proposed solution
- Viability of bringing the solution to market

Winning teams will receive up to $15K to advance their concept in collaboration with MD5.

Register at MD5HackUNO.eventbrite.com