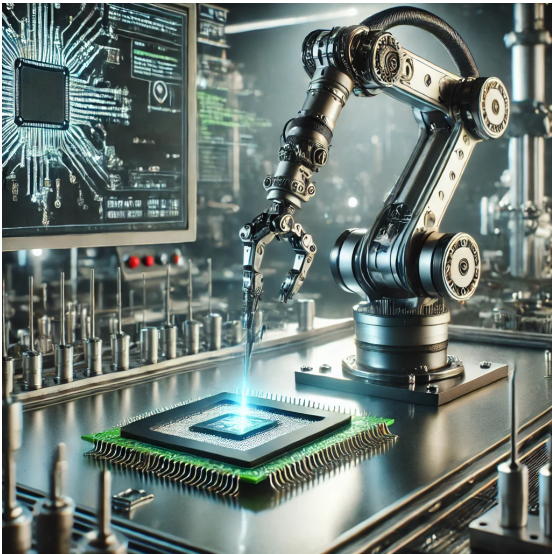# Empower the Future: Join the Microchips and Robotics Learning Camp!

Unlock the Power of Technology and Robotics!

Are you a high school or community college student interested in the future of technology? Don't miss the chance to join our hands-on learning camp where you'll explore cutting-edge fields in microchip programming, industrial robotics, and cybersecurity. Get real-world experience, collaborate with peers, and prepare for exciting careers in STEM!

Why Join?

- **Hands-On Learning:** Dive into microchip programming and industrial robotics through practical, real-world applications.
- **Cutting-Edge Tech:** Work with small 6-axis robots and FANUC industrial robots, learning programming skills that are shaping the future.
- **Cybersecurity Focus:** Learn to secure robotic systems in the face of modern technological challenges.
- **Showcase Your Skills:** Participate in a final competition and present your innovative projects to peers and industry professionals.
- **Prepare for the Future:** Gain the skills needed for advanced degrees and careers in high-demand STEM fields.

Timeline

Camp 1, 2, and 3 were closed.

Camp 4: April 19-20, 2025

How To Apply

We are actively recruiting participants from diverse and underrepresented backgrounds. Spaces are limited, so apply today!

Who Should Apply?

- High school and community college students passionate about technology, engineering, and innovation.
- Individuals looking to explore STEM careers, especially in microchip technology, robotics, and cybersecurity.

To Apply:

- Fill in the Registration form
  https://shorturl.at/fDb0b
- Have Questions -contact
  Dr. Yu Cai <cai@mtu.edu>

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Empower the Future: Join the Microchips and Robotics Learning Camp!

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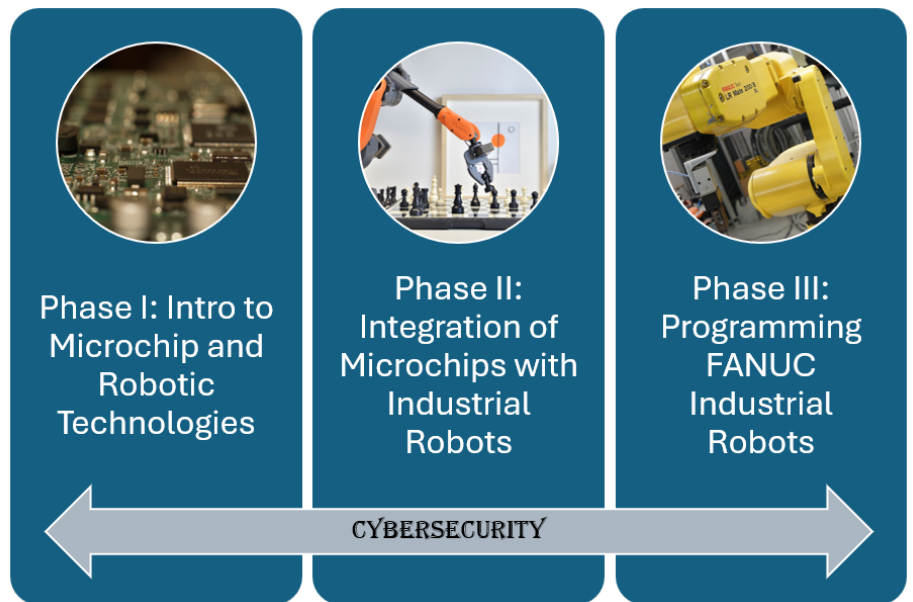## Microchips and Robotics Learning Camp Structure

Phase I: Intro to Microchip and Robotic Technologies

Phase II: Integration of Microchips with Industrial Robots

Phase III: Programming FANUC Industrial Robots

CYBERSECURITY

Financial Support

- Participants located within 40 miles to Michigan Tech will receive **$200**
- Participant that require extended travel and hotel accommodation will receive **$1200**
- Participants are responsible for arranging their own travel and accommodation

Phases I and II will be covered during the first day of the Camp 8:30am-5pm, Lunch 12-1pm.
Phase III will be covered during the second day of the Camp 8:30am-12:30pm.
The camp starts at 8:30am on day one and ends at 12:30pm on day two.

NSF

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