



Michigan Tech

Create the Future

One Day Camp for High School Students:

Learning Industrial Robotics via hands on activities and games

Camp Overview: Participants will learn the basic principles of industrial robots, including topics on robotic safety, basic mechanics and controls, robotic frames, and programming architecture. Hands on activities that are age- and skill-appropriate for high school students will teach the basic concepts of optimal robot programming and manipulation utilizing FANUC industrial robots. Students will be introduced to basic programming functions and taught how to optimize a robotic path to conduct a simulated industrial task. Utilizing the gaming environment of the "RobotRun" simulation software students will be engaged in playing embedded games and conduct basic programming tasks to simulate the assigned robotically controlled process.

Who should attend: This one day camp is developed for high school students interested in learning about industrial robotics and enjoying applying their skills via hands on practices.

Where and When: This one day camp will be conducted at Michigan Technological University, December 10, 2017, 10am-3pm

Travel Assistance: Workshop is limited to 12 participants and requires registration. **Please only register if you planed to attend.**

For more information contact: Dr. Alex Sergeyevev at (906) 487-2258 or avsergue@mtu.edu

To register log on to: <http://www.cs.mtu.edu/~kuhl/robotics/camp.html> and click on **Register for One Day Camp**

