WOMEN IN ROBOTICS: INTRODUCTION TO MANIPULATORS AND UNDERWATER MONITORING

Michigan Tech Summer Youth Programs . . . where college begins!


PROGRAM INFORMATION
This middle school commuter program is a discovery of the field of robotics from two new perspectives. By working with two of Michigan Tech’s robots (GUPPIE and Neu-pulator), students will learn how robots can help to explore the environment and augment human capabilities. In this course, students will:

• Learn alongside other young women about co-robots and their application in human life.
• Learn how underwater robots—such as underwater gliders—work, then collect data to predict change and prevent hazards.
• Learn how assistive robots—such as prosthetic legs or arms—work and explore how the robots augment people’s capabilities and improve life quality.
• Experience assembling, programing, and designing new parts for robots GUPPIE and Neu-pulator.
• Experiment with GUPPIE to collect water data and swim with it.
• Experiment with Neu-pulator and use electrical activity of human muscles to move a manipulator.

HOW TO APPLY
Enrollment in this program will be first-come, first-served. In order to be considered, please submit this completed application, including typed responses to the short-answer questions. You can fax, scan/email, or mail this application to the contact info below.

COST
This is a regular Summer Youth Programs course, however, students from the Keweenaw Peninsula are eligible for a partial scholarship upon acceptance (you will be notified)*. This course is commuter only for scholarship recipients.

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<thead>
<tr>
<th></th>
<th>Commuter Costs</th>
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<tbody>
<tr>
<td>Program Cost</td>
<td>$475</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>-$100</td>
</tr>
<tr>
<td>Scholarship*</td>
<td>-$295</td>
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<tr>
<td>Balance Due</td>
<td>$80</td>
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TRANSPORTATION
You are responsible for your own transportation. Travel accommodations and charter bus information are included in the information you will receive once you are accepted. Transportation funding may be provided on an individual basis.

APPLICATION CHECKLIST
☐ Completed application
☐ Signature of applicant
☐ Signature of parent or guardian
☐ Short responses to questions
☐ Student in grade 6–8 as of June 2016

CONTACT OUR OFFICE WITH ANY QUESTIONS.
Michigan Tech Summer Youth Programs
Administration Building 217
1400 Townsend Drive
Houghton, MI 49931-1295

Toll-free 888-773-2655
Fax 906-487-1136
Email syp@mtu.edu

WWW.SYP.MTU.EDU
WOMEN IN ROBOTICS: INTRODUCTION TO MANIPULATORS AND UNDERWATER MONITORING APPLICATION

ALL APPLICANTS MUST COMPLETE THIS FORM OR APPLY ONLINE.

Application deadline is Sunday, May 1, 2016.

Please complete both sides of this application and send it with your short answer responses. The payment form and $100 registration fee will be due within 10 days of submitting your application—your application will not be processed until this payment is received. The remaining $80 is due before June 1, 2016.

Legal name ____________________________________________

First
Middle
Last
Suffix (Jr., Sr., II, etc.)

Preferred name/nickname ____________________________________________

This is how your name will appear on your participant ID.

HAVE YOU APPLIED TO OR ATTENDED ANY OF THESE PROGRAMS IN THE PAST? DO YOU PLAN TO APPLY?

Junior Women in Engineering (JWIE)

☐ Plan to apply

☐ Previously applied

☐ Attended

Introduction to Robotics: Manipulators and Underwater Monitoring

☐ Plan to apply

☐ Previously applied

☐ Attended

Summer Youth Programs (SYP)

☐ Plan to apply

☐ Previously applied

☐ Attended

Which SYP Exploration? _________________________________________

CONTACT INFORMATION

Participant’s email ___________________________________________

Address/PO Box _____________________________________________

City _________________________________________________________

State/province _______________________________________________

ZIP or postal code ____________________________________________

County ______________________________________________________

Country _____________________________________________________

Telephone ___________________________________________________

Participant’s cell phone _______________________________________
HOW DID YOU HEAR ABOUT OUR PROGRAM?

☐ Counselor or teacher  ☐ Internet search
☐ Previous participant  ☐ Michigan Tech alumni or faculty/staff
☐ Summer Youth Programs website  ☐ Mind Trekkers event
☐ Friend  Date and place __________________________
☐ Catalog  ☐ Other __________________________
☐ Social Media

TRANSPORTATION

If you are selected, more information—including directions to Michigan Tech and specific charter bus drop-off and pick-up locations—will be sent in your Confirmation Packet. Please refer to our website for more details on your transportation options.

When do you plan on arriving at Michigan Tech?
Check-in: Sunday, July 17—10:00 AM–2:00 PM EDT
Day ____________  Time ________________
How do you plan on arriving at Michigan Tech?
☐ Car  ☐ Other ____________________________________________

When do you plan on departing from Michigan Tech?
Check-out: Friday, July 22—5:00–11:00 PM EDT
Day ____________  Time ________________
How do you plan on departing from Michigan Tech?
☐ Car  ☐ Other ____________________________________________

Please note: If you will be arriving before the program begins, there is an additional fee. See website for details: www.syp.mtu.edu.

PARENT/GUARDIAN CONSENT

I approve of ____________________________________________ applying to Michigan Tech’s Women in Robotics: Introduction to Manipulators and Underwater Monitoring program.

Applicant name

Signature ____________________________________________ Date __________________________

STUDENT SIGNATURE

I attest that the information provided in this application is correct.

Signature ____________________________________________ Date __________________________