



Johns Hopkins University Center for Talented Youth  
& Oregon University System Present:

## Robotics – Hands-On and Interactive



An event for TAG students in grades 7 to 10  
Portland State University ~ April 4, 2009

The Oregon University System and the Johns Hopkins University Center for Talented Youth are working together to bring an exciting opportunity to academically exceptional youth. On April 4, 2009, these students and an accompanying parent are invited to the Portland State University campus for a day of hands-on learning about robotics from Oregon's robotics academic and community leaders.

This day-long event will feature hands-on sessions on a variety of robotics topics, including:

- **Swarm robots** – How can we create robots that simulate the behavior of cockroaches?
- **Robotics teamwork** – Small groups of students will each build part of a robot, and then put the parts together to get a working robot.
- **Robotics sensors** – What are sensors? How and why do robots use them?
- **Robots that exhibit artificial intelligence.**
- **Humanoid Robots that simulate human facial features while talking**
- **Robots designed for Mars exploration.**
- **Parents' session -- Family STEM Learning (Science Technology Engineering Math) by keynote speaker Dr. Lynn Dierking**
- And more ...



Program cost is \$80 per person. Breakfast pastries, beverages, and lunch are included. Registration and breakfast open at 8:00 a.m. The program starts at 9:00 and concludes at 4:00.

- To register, please visit <https://ctyjhu.org/cnonlineapp/introOnlineConfApp.cfm> -- or download the form at <http://cty.jhu.edu/family/docs/08-09RegFormRevised.pdf> -- Membership in the Center for Talented Youth is not required, but please do include your CTY ID if you have one. **Please register by 2:00 Pacific Time Monday, March 30, 2009.**
- You are registered once you have received a written confirmation form. Registered families will receive an advance packet with maps, schedule, and travel information before the event.
- Questions? Please contact CTY Family Academic programs at 410-735-6115 (Eastern) or [ctyfam@jhu.edu](mailto:ctyfam@jhu.edu) or visit [www.cty.jhu.edu/family/science.html](http://www.cty.jhu.edu/family/science.html) and scroll down.

