

**Penn State Abington Presents**

## **Robo-Hoops 2004 Contest & Robot Fair**

*Autonomous Robot Basketball Challenge*

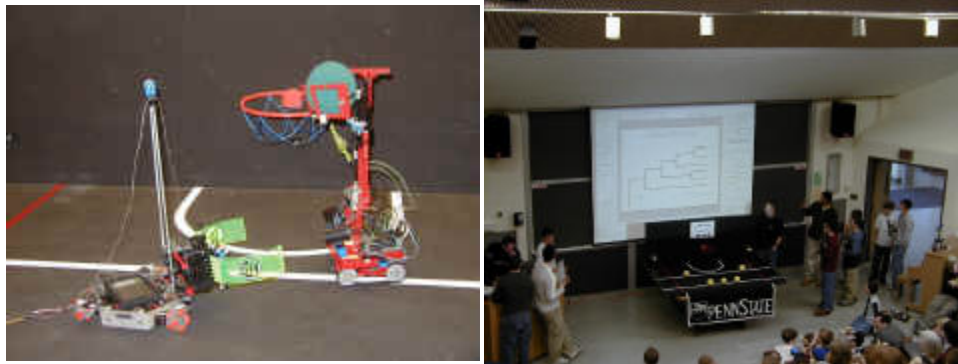
**Contest Date: Saturday, December 4, 2004; 11pm - 4pm**

**Location: [Penn State Abington](#), Abington, PA  
Woodland Building Auditorium and Lobby**

### **Description:**

Robo-Hoops is an autonomous mobile robot design competition in which two robots battle head-to-head in a basketball challenge. Robots must dunk or shoot foam basketballs into a net located 12 inches above the playing field. The contest is open to students of all ages (K-8, high school, college). Any combination of hardware and software may be utilized. The contest is free and allows for the use of low-cost supplies and equipment. The goal of the contest is to encourage creative problem-solving, teamwork, project-based learning, and to promote interest in careers in engineering, computer science, artificial intelligence, and information technologies. The Robo-Hoops contest was designed at Penn State Abington and was first offered in 1995. Elementary schools, middle schools, high schools, and colleges in the Philadelphia, PA area and beyond will be participating.

There will also be several robot displays, demonstrations, and robot exhibits open throughout the day. Robot exhibits will be open from 11-4pm and the RoboHoops contest will take place from 1-4pm. Admission to the event is free, and all ages are welcome. Free pizza and soda will be served from 11:30 to 1pm.



### **Robo-Hoops website:**

<http://www.ecsel.psu.edu/~avanzato/robots/contests/robo-hoops/contest04.htm>