

The Challenge

Come test your computer programming skills and compete with other Alabama students for cool prizes! A fun day is planned with educational experiences, food and social activities.

The Alabama Robotics Competition is an event where students write programs that navigate their robot across a series of obstacle courses. Awards will be given out in several categories across multiple grade levels.



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THE UNIVERSITY OF
ALABAMA

Department of Computer Science

Alabama Robotics Competition



All students in grades K-12 from Alabama public and private schools are invited to participate.

Details:

University of Alabama

April 2, 2011

10:30am-4:00pm

Food, T-shirts, Cool Prizes, Fun!

For more information:

Phone: (205)-348-2847

Web: <http://www.cs.ua.edu/outreach/robotics-contest/>

e-mail: gray@cis.uab.edu

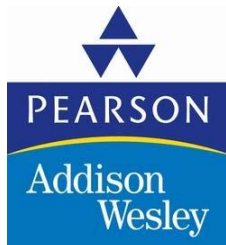
Essential Details

- The competition is open to all Alabama students (public, private, or home schools) across all grade levels (elementary, middle, high schools).
- Teams consist of 1-3 players.
- The contest will feature three obstacle courses that must be navigated over a three-hour period.
- Robot programs to navigate the obstacle course may be written in any language (e.g., Mindstorms LabView, Java/Lejos, RobotC, C#, etc).
- Students will use their own robots and their own computers to compete in the contest.
- Each registered student will receive lunch, snack break, a T-shirt, and a certificate of participation.
- Prizes and awards will be given to the top-three teams in each division.
- Details regarding the specific rules can be found at the contest web site:

<http://www.cs.ua.edu/outreach/robotics-contest/>

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Event Schedule

10:30am-11:00am

- Check-in
- Collect T-shirt and Registration Materials

11:00am-noon

- Lunch
- Explanation of Rules
- Keynote Presentation

Noon-3:00pm

- Robotics Contest (Students)
- Education Discussion (Parents and teachers)

3:00pm-3:30pm

- Break
- Snack Period

3:30pm-4:00pm

- Awards Presentation

Parents are welcome to attend the keynote talk and awards presentation.

Tour and Keynote Presentation

During the check-in period, tours will be conducted of the UA Engineering Facilities and the Computer Science Robotics laboratory.

An expert in robotics education and research will offer a keynote presentation to kick-off the start of the competition. More details about the keynote speaker will be made available on the contest website during Spring 2011.

Registration

- All schools are encouraged to submit as many team registrations as they would like.
- Registration is \$20 per student.
- There are two phases to the registration process:

Phase 1: To pre-register, visit the contest web site and click on the pre-registration link. The deadline for pre-registering is **March 11th**. The registration fee is not due for pre-registration.

Phase 2: Participants will be sent instructions on how to pay their registration fee. Registration may be paid by postal mail by March 25th. Registrations received after this date must be made on-site with a \$10 late fee per student.

Contest Rules

This is the first edition of the contest, which serves as a complement to other robotics contests held throughout the state. As a participant-driven event, the specific rules for the contest will be decided from interactions with teachers, students and community members.

The contest website will be placed online with an initial set of rules. The rule discussion period will occur throughout the month of January, 2011. Please let us know if you have general or specific suggestions toward helping in the formation of the contest rules.

