



Call for Papers

AAAI 2007 Spring Symposium

Robots and Robot Venues: Resources for AI Education

[AAAI 2007 Spring Symposium Series \(SSS-07\)](#)

Stanford University, Stanford, California

March 26-28, 2007

Papers are being solicited for a AAAI Spring Symposium entitled *Robots and Robot Venues: Resources for AI Education*. This symposium will bring together hardware, software, and curriculum designers for autonomous educational robotics, along with interested educators and robot contest and exhibition organizers.

The small group of ~50 will investigate and articulate how educators, especially undergraduate educators, can most effectively leverage autonomous robots and robot-themed venues as educational experiences.

This symposium encourages reports of both established and emerging projects, curricular trials, research-to-classroom bridges, robot exhibition & competition experiences, and other work using robots for undergraduate AI and CS.

Important Dates

- Submission deadline: October 6, 2006.
- Acceptance notification: November 3, 2006.
- Final versions due: January 26, 2007.
- Symposium: March 26-28, 2007

Submission Guidelines

Interested authors must send completed manuscripts of 2-6 pages to dodds@cs.hmc.edu by October 6, 2006.

Submissions should be in AAAI style. Those guidelines are available at [AAAI's website \(http://www.aaai.org/Publications/Author/author.php\)](http://www.aaai.org/Publications/Author/author.php). Papers will be refereed and those accepted will be designated for presentation, poster, or exhibition. Accepted papers will be published as a AAAI technical report.

Online Resources

- This symposium's webpage: <http://www.cs.hmc.edu/roboteducation>
- AAAI SSS 2007: <http://www.aaai.org/Symposia/Spring/sss07.php>

Symposium Organizers

Questions regarding the symposium may be addressed to any of

- Doug Blank, Bryn Mawr College
- Zachary Dodds (chair), Harvey Mudd College
- Paul Rybski, Carnegie Mellon University
- Jerry Weinberg, Southern Illinois University Edwardsville
- Holly Yanco, University of Massachusetts Lowell



Robots and Robot Venues: Resources for AI Education

Call For Papers

This 2007 AAAI spring symposium will bring together hardware, software, and curriculum designers for autonomous educational robotics, along with interested educators and robot contest and exhibition organizers.

This group of about 50 will investigate and articulate how educators, especially undergraduate educators, can leverage autonomous robots and robot-themed venues as educational experiences.

We encourage you to submit emerging projects, curricular trials, research-to-classroom bridges, robot exhibition & competition experiences, and other work using robots for undergraduate AI and CS.

Details

Dates: March 26-28, 2007

Venue: Stanford University

URL: www.cs.hmc.edu/roboteducation

Outline of tentative schedule:

3/26 am	HW, SW, Curriculum I
3/26 pm	HW, SW, Curriculum II
3/27 am	Leveraging Robot Venues I
3/27 pm	Leveraging Robot Venues II
3/28 am	Hands-on robot exhibition

Submission length: 2-6 pages

Submission Deadline: 10/6/2006

Motivation and Anticipated Topics

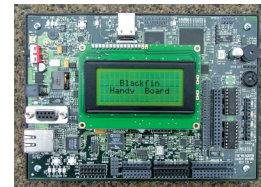


Greater capabilities at lower cost: emerging resources include Lego's NXT, the XBC, the Handy Board 2, and iRobot's Roomba (left and below, respectively). Participants will use 1 or more of these in the hands-on session.



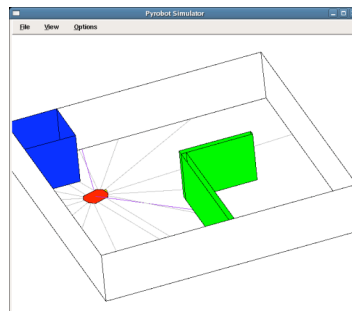
**Mobile
Robotics
Software
Challenge**

Software and curricula for AI/CS education via robots has matured immensely. Below is Pyro's Pyrobot cross-platform simulator,



Botball

Robot venues such as AAAI's, Botball, and many others offer motivating and enriching undergraduate opportunities. How can we best leverage them?



Contribute curricular developments, robot venues, undergraduate classroom & research uses of robots, or experiences with robotic exhibitions or contests...