

stream

Using **Robots** to Teach Science,
Technology, Engineering, and Math **2010**



Organizing Committee: Kristen Stubbs, iRobot; Holly Yanco and Phyllis Procter, UMass Lowell; Dave Matheson, The Onstott Group

Classroom Kit Awards

- Sponsors have provided funds to provide classroom kits (up to \$3,000 of robotics materials)
- Applications available
 - On paper here
 - At <http://stream.cs.uml.edu> (soon)
- 1-2 awards will be made



Last year's awardees:
Joseph Flournoy, Littleton MS
Elaine Mistretta, Haverhill HS

K-12 Robotics Programs @ UML

- Educator Workshop on Saturday, November 6, 2010 (8:30-1)
 - Hands on workshop using the Super Cricket
 - Introduction to Botfest and Botball
 - www.cs.uml.edu/k12
- Botball
 - Robotics education program for middle and high school students
 - Two day workshop in January 2011
 - Tournament in April 2011
 - www.botball.org
- Botfest
 - Robot science fair
 - Open to all ages, from elementary through adult
 - www.botfest.org
- Artbotics: artbotics.org
- For students: DesignCamp, designcamp.uml.edu

Robotics Minor @ UML

- New robotics minor available for CS, ME and ECE students
- Combines courses from all three departments to give students experience in the breadth of the robotics field while specializing in one of the disciplines
- Research experiences for undergraduates also available in campus robotics labs and internships in local companies

Contact Info

- We will be collecting links and slides from the presenters and will add them to the stream.cs.uml.edu website
- Best way to reach Holly, Phyllis and Fred: robots@cs.uml.edu
- Best way to reach Kristen: kstubbs@irobot.com

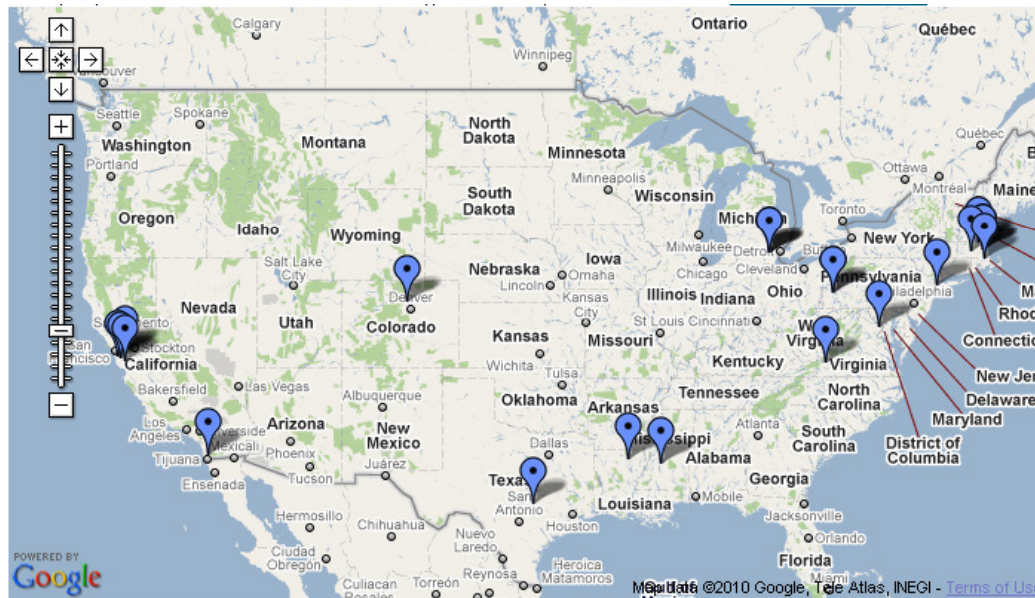
iRobot SPARK

- spark.irobot.com
 - Links, resources
 - Tour or visit? 'Demo Request'
- Out of fairness, iRobot does not sponsor individual robotics teams or clubs.

S.P.A.R.K.

Starter Programs for the Advancement of Robotics Knowledge

NATIONAL
Robotics WEEK
INNOVATION • TRANSFORMATION • EDUCATION



- NRW 2011: April 10-17
- www.nationalroboticsweek.org

STREAM Evaluation

- **<http://tinyurl.com/stream10>**