

**AAAI 2008 Spring Symposium
"Using AI to Motivate Greater Participation in Computer Science"**

Program Schedule

All sessions of the Symposium will be held in the History Building, Room 200-203

Wednesday, March 26

9:00am - 10:40am Session

Session chair: Mehran Sahami

- 9:00am-9:10am: *Introduction to the Symposium*
Mehran Sahami (Stanford)
- 9:10am-10:10am: *Invited Talk: Technology Empowerment and the TeRK Project*
Illah Nourbakhsh (CMU)
- 10:10am-10:40am: *Robotics and AI as a Motivator for the Attraction and Retention of Computer Science Undergraduates in Canada*
John Anderson, Jacky Baltes (Univ. of Manitoba)

10:40am - 11:00am Break

11:00am - 12:30pm Session

Session Chair: Zachary Dodds

- 11:00am-11:30am: *Robotics As A Component Of A General Education Course*
Susan Imberman, Sarah Zelikovitz (College of Staten Island, CUNY)
- 11:30am-12:00pm: *Engaging Computing Students with AI and Robotics*
Deepak Kumar, Doug Blank (Bryn Mawr), Tucker Balch, Keith O'Hara, Mark Guzdial (Georgia Tech), Stewart Tansley (Microsoft Research)
- 12:00pm-12:30pm: *AI, AIBO and ART: Inspiring Interaction with Computer Science*
Sheila Tejada (CUNY)

12:30pm - 2:00pm Lunch

2:00pm - 3:30pm Session

Session Chair: Illah Nourbakhsh

- 2:00pm-2:20pm: *Restructuring the Introductory Computer Science Course with Topics from AI*
Timothy Huang (Middlebury)
- 2:20pm-2:40pm: *Improving CS Student Retention with Intelligent Agents*
Fang Tang, Robert W. Kerbs, Gilbert S. Young (Cal Poly, Pomona)
- 2:40pm-3:00pm: *SpelBots: Using Autonomous Robotics to Inspire Women to Participate in Computer Science*
Andrew B. Williams, Whitney O'Banner (Spelman)
- 3:00pm-3:20pm: *The ARTSI Alliance: Recruiting Underrepresented Students to Computer Science and Robotics to Improve Society*
Andrew B. Williams (Spelman), David S. Touretzky (CMU), LaVonne Manning (Univ. of District of Columbia), Jessie J. Walker (Univ. of Arkansas, Pine Bluff), Chutima Boonthum (Hampton), Jeffrey Forbes (Duke), and Jayfus T. Doswell (Juxtapia)

3:30pm - 4:00pm Break

4:00pm - 5:30pm Session

Session Chair: Marie desJardins

- 4:00pm-4:30pm: Invited Talk: *How to Revolutionize Education for AI, CS, and Everything*
Peter Norvig (Google)
- 4:30pm-5:00pm: *Wiimote Interfaces for Lifelong Robot Learning*
Micah Lapping-Carr, Odest Chadwicke Jenkins, Theadora Hinkle, Jonas Schwertfeger,
Daniel Grollman (Brown)
- 5:00pm-5:30pm: *Synergizing AI and OOSE: Enhancing interest in Computer Science through game-playing
and puzzle-solving*
T.M. Rao, Sandeep Mitra (SUNY Brockport)

6:00pm - 7:00pm Reception

Thursday, March 27

9:00am - 10:30am Session

Session Chair: Todd Neller

- 9:00am-10:00am: Invited Talk: *Computational Economics*
Vincent Conitzer (Duke)
- 10:00am-10:30am: *Using artificial intelligence to help bridge students from high school to college*
Elizabeth Sklar, Simon Parsons, Sheila Tejada (CUNY), Susan Lowes (Columbia), M Q
Azhar, Samir Chopra, Richard Jansen, Ira Rudowsky (CUNY)

10:30am - 11:00am Break

11:00am - 12:30pm Session

Session Chair: Marie desJardins

- 11:00am-11:30am: *A New Start: Innovative Introductory AI-Centered Courses at Cornell*
Eric Breck, David Easley, K-Y Daisy Fan, Jon Kleinberg, Lillian Lee, Jennifer Wofford,
Ramin Zabih (Cornell)
- 11:30am-12:00pm: *Leveraging AI's breadth in CS 1*
Zachary Dodds (Harvey Mudd)
- 12:00pm-12:30pm: *Something About Extended Exercises from AI for Intro Students*
Wayne Iba (Westmont)

12:30pm - 2:00pm Lunch

2:00pm - 3:30pm Session

Session Chair: Tom Lauwers

- 2:00pm-2:30pm: *Artificial Intelligence for Non-Majors at Multiple Levels*
Andrea Danyluk (Williams)
- 2:30pm-3:00pm: *Throw Down an AI Challenge*
Todd Neller (Gettysburg), Ingrid Russell (Hartford), Zdravko Markov (Central Conn. State)
- 3:00pm-3:30pm: *Using Science Fiction in Teaching Artificial Intelligence*
Milind Tambe, Anne Balsamo (USC), Emma Bowring (Univ. of Pacific)

3:30pm - 4:00pm Break

4:00pm - 5:30pm Session

Session Chair: Mehran Sahami

- 4:00pm-5:00pm: Invited Talk: *Teaching with Sensor Nodes*
Phil Levis (Stanford)
- 5:00pm-5:30pm: *Robot Diaries: Broadening Participation in the Computer Science Pipeline through Social Technical Exploration*
Emily Hamner (CMU), Tom Lauwers (CMU), Debra Bernstein (Univ. of Pittsburgh), Illah Nourbakhsh (CMU), Carl DiSalvo (Georgia Tech)

6:00pm - 7:30pm Plenary Session

Friday, March 28

9:00am - 10:30am Session

Session Chair: Zachary Dodds

- 9:00am-9:30am: *Experiences with Artificial Intelligence as an Undergraduate Creative Capstone Course*
V. Scott Gordon (CSU, Sacramento)
- 9:30am-10:00am: *200 Students Can't Be Wrong! GamesCrafters, a Computational Game Theory Undergraduate Research and Development Group*
Yanpei Chen, Patricia C. Fong, Jerry Hong, Deepa Mahajan, Cynthia Okita, David Eitan Poll, Alan Roytman, Ofer Sadgat, Daniel D. Garcia (UC Berkeley)
- 10:00am-10:20am: *Iterative Design of a Robot-Centered Curriculum for the Introduction to Computer Science Course*
Tom Lauwers, Illah Nourbakhsh (CMU)

10:30am - 11:00am Break

11:00am - 12:30pm Session

Session Chair: Todd Neller

- 11:00am-11:20am: *Can Computers Think? —an introduction to computer science, programming, and artificial intelligence*
Kristina Striegnitz, Valerie Barr (Union)
- 11:20am-11:40am: *Can AI help develop socially-engaged computational thinkers?*
Douglas H. Fisher (Vanderbilt)
- 11:40am-11:50am: *Symposium Wrap-Up*
- 11:50am-12:30pm: **Demonstrations**