

7th Symposium on Educational Advances in Artificial Intelligence 2017



Eric Eaton



Sven Koenig

Special Tracks

- Model AI Assignments
 - Well worked-out project assignments for AI classes
- Research Experiences for Undergraduates (REU)
 - Best practices for mentoring undergraduates and involving them in research
- NSG Challenge – Widely-Accessible AI Robotics Tasks
 - AI robotics curricula designed by undergraduate students and their mentors
- AI for Education and Outreach
 - AI applications for improving teaching, learning, evaluation or outreach
- Blue Sky Ideas by New and Future AI Educators
 - Educational ideas of fellowship recipients from among early career lecturers, assistant professors, other university or secondary school faculty, postdocs and Ph.D. candidates with an interest in an academic career)

Invited Talks

- Invited Talk
 - Ayanna Howard (Georgia Institute of Technology)
 - Designing Assistive Robots and Technologies for Pediatric Care

- Outstanding Educator Award Talk
 - Sebastian Thrun (Udacity, KittyHawk, Stanford, ...)
 - Democratizing Education: Why not?



Panels

- Panel on NSF Research Experience for Undergraduates (REU) Sites
 - Moderator: Eric Eaton
 - Panelists: Georgios Anagnostopoulos, Stephanie August, Zach Dodds, Bill Smart
 - The panel will discuss the selection process for NSF REU sites, provide advice about how to write successful site proposals, best practices for running sites, and how both REU sites and individual PIs can best mentor undergraduate summer research students
- Panel on AI Ethics Education
 - Moderator: Sven Koenig
 - Panelists: Benjamin Kuipers, Judy Goldsmith, Illah Nourbakhsh
 - The panel will discuss how educators can incorporate discussions on ethical issues into undergraduate or graduate AI classes
- Panel on AI for Education
 - Moderator: Sheila Tejada
 - Panelists: Yolanda Gil, Ayanna Howard, Peter Norvig, Mehran Sahami, Sebastian Thrun
 - The panel will discuss how one can use AI techniques to improve teaching, student evaluation, and learning

Demonstrations of Educational Technology

- Exploring AI Through Image Recognition
Sheila Tejada, Kelsey Fargas, Bingjie Zhou and Elizabeth Staruk
- ARTY: Fueling Creativity through Art, Robotics and Technology for Youth
Debra Burhans and Karthik Dantu
- Designing Assistive Robots and Technologies for Pediatric Care
Ayanna Howard
- AI Angry Birds Competition
Jochen Renz

Program - Today

- 09:05-10:05 **Invited Talk: Ayanna Howard**
- 10:05-10:30 **Main Track Talks**
- 10:30-11:00 Coffee Break
- 11:00-12:10 **Model AI Assignments**
- 12:10-02:15 Lunch
- 02:15-02:30 **REU Track Talks**
- 02:30-03:30 **Panel on NSF Research Experiences for Undergraduates Sites**
- 03:30-04:00 Coffee Break
- 04:00-04:50 **NSG Challenge Talks on Widely Accessible AI Robotics Tasks**
- 04:50-05:00 Short Break
- 05:00-05:50 **Blue Sky Idea Talks by New and Future AI Educators**
- 05:50-06:30 **Demonstrations of Educational Technology**
- Afterward **AAAI-17 Opening Reception**

Program - Tomorrow

- 08:30-08:55 AAI Welcome and Opening Remarks
- 09:00-09:50 AAI-17 Invited Talk: Rosalind Picard
- 10:00-11:00 **Panel on AI Ethics Education**
- 11:00-11:30 Coffee Break
- 11:30-12:15 **Model AI Assignments**
- 12:15-12:30 **AI for Education and Outreach Talks**
- 12:30-02:00 Lunch
- 02:00-02:50 **Outstanding Educator Award Talk: Sebastian Thrun**
- 02:50-03:30 **Panel on AI for Education**

Organizing Committee

- Jim Boerkoel, *Harvey Mudd College*
- Laura Brown, *Michigan Technological University*
- Zachary Dodds, *Harvey Mudd College*
- Todd Neller, *Gettysburg College*
- Matthew Taylor, *Washington State University*
- Sheila Tejada, *University of Southern California*

- 29 program committee members for the main track
- 21 program committee members for the Model AI Assignment track

Funding

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Thank you!

ACM SIGAI

- Student Essay Contest on the Responsible Use of AI Technologies

EAAI Invited Talk

Ayanna Howard

Georgia Institute of Technology

**Designing Assistive Robots and
Technologies for Pediatric Care**



EAAI Invited Talk

Ayanna Howard



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**Designing Assistive Robots and
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