



Association for the Advancement of Artificial Intelligence

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Schedule for 2008 Robot Workshop and Exhibition

July 13-17, 2008 Hyatt Regency McCormick Place, Chicago, IL

Second Level, Hyatt Regency Conference Center, CC23

In conjunction with the AAI-08 Conference

Workshop on Robotics and Creativity: July 14, 2008 Morning

This workshop explores the roles that creativity plays in robotics. This includes research where robots employ cognitive models and computation to display creativity. Also explored are partnerships among artists, scientists and engineers to generate a creative synergy and stimulate breakthroughs.

Format: A distinguished panel will kick off the workshop by providing a broad overview of the area, emerging paradigms and exciting opportunities. Those invited to exhibit at AAI, will give short 10-minute briefs. These talks provide examples and personal thoughts of creativity and robotics. The workshop concludes with a 60-min Discussion Forum to capture thoughts and generate research roadmaps.

Schedule

Speaker Bio and Abstracts (<http://schubert.ece.drexel.edu/AAAI>)

<u>Time</u>			
08:20	Youngmoo Kim	Drexel University and Workshop Chair	Opening Remarks
08:30	Amy Baylor	National Science Foundation	CISE CreativeIT Program
09:00	Ruzena Bajcsy	UC Berkeley	Robotics and Dance
09:30	Stellan Ohlsson	University of Illinois Chicago	Mechanisms of Creativity
10:00	Gil Weinberg	Georgia Tech	Drum Playing Robot
10:30	Coffee Break		
10:45	Reid Simmons	CMU	Keepon and Dancing Robots
10:50	Jeff Lieberman	MIT	Absolut Quartet and Musical Robots
10:55	Debra Burhans	Canisius College	The Great Wumpus Hunt
11:00	Zachary Dodds	Harvey Mudd College	Algorithms in AI
11:05	Andrea Thomaz	Georgia Tech	Affordances and Teaching
11:10	Todd Murphey	University of Colorado Boulder	MarioNET: Robotics and Puppets
11:15	Richard Margolin	Hanson Robotics	Zeno
11:20	All Participants	Discussion Forum	Research Roadmaps: Near-term and Grand Challenges
12:30	Adjourn		

Exhibits will be showcased on July 15 and 16. This gives audiences opportunities to see and experience what was discussed in the Workshop.

Workshop on Mobility and Manipulation: July 14 Afternoon

This workshop explores advanced perception and cognition that significantly advances and/or speeds robot mobility and/or manipulation.

Format: A distinguished panel will kick off the workshop by providing a broad overview of the area, emerging paradigms and exciting opportunities. Those invited to exhibit at AAAI, will give short 10-minute briefs. These talks provide examples and personal thoughts of mobility and manipulation. The workshop concludes with a 60-min Discussion Forum to capture thoughts and generate research roadmaps.

Schedule

Speaker Bio and Abstracts (<http://robotics.cs.ua.edu/aaai08/aaai08Workshop.htm>)

Time

13:50	Monica Anderson	Drexel University and Workshop Chair	Opening Remarks
14:00	Robert Mandelbaum	DARPA	IPTO Programs
14:30	Stewart Tansley	Microsoft Research	Robotics Research
15:00	Oliver Brock	University of Massachusetts, Amherst	Results of 2005 NASA/NSF Workshop on Mobile Manipulation
15:30	Charlie Kemp	Georgia Tech	Mobile Manipulation
16:00	Coffee Break		
16:25	Howie Choset	CMU	Snake Robots
16:30	Andrew Ng	Stanford	STAIR: Stanford AI Robot platform
16:35	Jerry Weinberg	Southern Illinois University	Formations and Legged Robots
16:45	David Touretzky	CMU	Hexapods
16:50	David Gustafson	Kansas State University	Semantic Vision
16:55	Jianna Zhang	Western Washington University	Robot Vision
17:00	All Participants	Discussion Forum	Research Roadmaps: Near-term and Grand Challenges
18:00	Adjourn		

Exhibits will be showcased on July 15 and 16. This gives audiences opportunities to see and experience what was discussed in the Workshop.