

IAAI-15 Conference Schedule

(includes AAI-15 Invited Presentations)

Tuesday, January 27

8:30 – 8:55 *AAAI / IAAI Welcome / AAI Organizational Awards/Honors*

9:00 - 9:50 **Invited Talks (2 parallel)**

AAAI-15 Invited Talk: Drew Bagnell (Carnegie Mellon University)

Artificial Intelligence, Machine Learning and Robotics: Interplay and Interaction

AAAI-15/IAAI-15 Joint Invited Talk: Oren Etzioni (Allen Institute for Artificial Intelligence (AI2))

You Can't Play 20 Questions with Nature and Win

9:50 - 10:10 Break

10:10 - 11:50 IAAI Paper Session: Machine Learning, Information Fusion, and HCI

Emerging: Day-Ahead Hail Prediction Integrating Machine Learning with Storm-Scale Numerical Weather Models
David John Gagne II, Amy McGovern, Jerald Brotzge, Michael Coniglio, James Correia Jr., Ming Xue

Emerging: Capturing Human Route Preferences from Track Information: New Results
Johnathan Gohde, Mark Boddy, Hazel Shackleton, Steve Johnston

Emerging: A Robust and Extensible Tool for Data Integration Using Data Type Models
Andres Quiroz, Eric Huang, Luca Ceriani

Emerging: Maestoso: An Intelligent Educational Sketching Tool for Learning Music Theory
Paul Taele, Laura Barreto, Tracy Hammond

11:50 - 1:20 Lunch

1:20 - 1:50 **AAAI-15 Blue Sky Award Talks / What's Hot Talks**

1:55 - 3:10 IAAI Paper Session: Semantic Web, Knowledge Based Systems, and Ontologies

Emerging: Leveraging Ontologies to Improve Model Generalization Automatically with Online Data Sources
Sasin Janpuangtong, Dylan A. Shell

Emerging: SKILL: A System for Skill Identification and Normalization
Meng Zhao, Faizan Javed, Ferosh Jacob, Matt McNair

Emerging: HACKAR: Helpful Advice for Code Knowledge and Attack Resilience
Ugur Kuter, Mark Burstein, J. Benton, Daniel Bryce, Jordan Thayer, Steve McCoy

3:10 – 3:30

Break

3:30 – 4:45

IAAI Paper Session: E-Commerce & Social Media

Deployed: Planned Protest Modeling in News and Social Media
Sathappan Muthiah, Bert Huang, Jaime Arredondo, David Mares, Lise Getoor, Graham Katz, Naren Ramakrishnan

Deployed: Position Assignment on an Enterprise Level Using Combinatorial Optimization
Leonard Kinnaird-Heether, Chris Dorman

4:45 - 5:45

Break

5:45 - 7:15

AAAI-15 Shakey Celebration

The Shakey Celebration will include a panel with Ed Feigenbaum, Peter Hart, and Nils Nilsson, along with other highlights of this historic project.

7:15 - 8:45

AAAI-15 Poster / Demo Reception 1

The Poster / Demo Reception will include AAI-15 technical poster presentations by authors of all papers presented today as poster ads, as well demos. Doctoral Consortium posters will also be presented, and robotics exhibitions, Virtual Agents demos, and RoboCup exhibitions will be available.

Wednesday, January 28

9:00 - 9:15

AAAI-15 Blue Sky Award Talk / What's Hot Talks

9:20 – 10:35

IAAI Paper Session: Crowdsourcing and NLP

Emerging: Aggregating User Input in Ecology Citizen Science Projects
Greg Hines, Alexandra Swanson, Margaret Kosmala, Chris Lintott

Emerging: Using Qualitative Spatial Logic for Validating Crowd-Sourced Geospatial Data
Heshan Du, Hai Nguyen, Natasha Alechina, Brian Logan, Michael Jackson, John Goodwin

Emerging: Named Entity Recognition in Travel-Related Search Queries
Brooke Cowan, Sven Zethelius, Brittany Luk, Teodora Baras, Prachi Ukarde, Daodao Zhang

10:35 - 10:55 Break

10:55 – 12:10 Challenge Paper Session

Challenge: The Winograd Schema Challenge: Evaluating Progress in Commonsense Reasoning
Leora Morgenstern, Charles L. Ortiz. Jr.

Challenge: Elementary School Science and Math Tests as a Driver for AI: Take the Aristo Challenge!
Peter Clark

Challenge: Time-Varying Clusters in Large-Scale Flow Cytometry
Jeremy Hyrkas, Daniel Halperin, Bill Howe

12:10 – 1:40 Lunch

1:40 - 2:30 AAAI-15 / IAAI-15 Invited Talks (2 parallel)

AAAI-15 Invited Talk: Geoffrey Hinton (University of Toronto and Google Inc)
Deep Learning

IAAI-15 Invited Talk: Rayid Ghani (University of Chicago)
Title TBA

2:30 - 2:50 Coffee Break

2:50 - 4:30 IAAI Paper Session: Healthcare

Deployed: Graph Analysis for Detecting Fraud, Waste, and Abuse in Healthcare Data
Juan Liu, Eric Bier, Aaron Wilson, Tomo Honda, Sritharan Kumar, Leilani Gilpin, John Guerra-Gomez, Daniel Davies

Emerging: Automated Problem List Generation from Electronic Medical Records in IBM Watson
Murthy Devarakonda, Ching-Huei Tsou

Emerging: Preventing HIV Spread in Homeless Populations Using PSINET
Amulya Yadav, Leandro Soriano Marcolino, Eric Rice, Robin Petering, Hailey Winetrobe, Harmony Rhoades, Milind Tambe, Heather Carmichael

5:30 - 6:30

AAAI-15 Community Meeting

All AAAI-15 participants and AAAI members are welcome!

6:30 - 8:00

AAAI-15 Poster / Demo Reception 2

The Poster / Demo Reception will include technical poster presentations of all papers presented today as poster ads, as well as demos. Student Abstract posters of talks presented during today's lunch break will also be presented, and robotics exhibitions and game exhibits will be available.

8:00 - 10:00

AAAI-15 Game Night

Thursday, January 29

9:00 - 9:50

AAAI-15 Invited Talks (2 parallel)

AAAI-15 Invited Talk: Meinolf Sellmann (IBM Thomas J. Watson Research Center)

Title TBA

9:50 - 10:10

Break

10:10 - 11:50

IAAI Paper Session: Fraud Detection and Planning

Deployed: Robust System for Identifying Procurement Fraud

Amit Dhurandhar, Rajesh Ravi, Bruce Graves, Gopikrishnan Maniachari, Markus Ettl

Emerging: Design and Experiment of a Collaborative Planning Service for NetCentric International Brigade Command
Christophe Guettier, Willy Lamal, Israël Mayk, Jacques Yelloz

Deployed: Activity Planning for a Lunar Orbital Mission
John L. Bresina

11:50 - 1:20

Lunch

1:20 - 1:50

AAAI-15 Video Competition Awards

1:55 – 2:55

IAAI 30th Anniversary Paper

Process Diagnosis System (PDS) – A 30 Year History
Edward D. Thompson, Ethan Frolich, James C. Bellows, Benjamin E. Bassford, Edward J. Skiko, Mark S. Fox

5:45 - 6:45

AAAI-15 Debate on Autonomous Weapons

Participants: Ron Arkin (Georgia Institute of Technology) and Stephen Goose (Executive Director, Arms Division, Human Rights Watch)

Moderator: Thomas G. Dietterich, AAAI President (Oregon State University)

6:45 - 8:15

AAAI-15 Poster / Demo Reception 3

The Poster / Demo Reception will include technical poster presentations of all papers presented today as poster ads, as well as the demos listed below. Student Abstract posters of talks presented during today's lunch break will also be presented, and robotics exhibitions and game exhibits will be available.

Friday, January 30

9:00 - 9:50

AAAI-15 Invited Talk (2 parallel)

AAAI-15 Invited Talk

Lise Getoor (University of California, Santa Cruz)

Using Statistics and Semantics to Solve Big (Graph) Data Problems

AAAI-15 Invited Talk

Michael Bowling (University of Alberta)

von Neumann's Dream