

IAAI-11 Technical Program Schedule

Monday, August 8

6:00 – 7:00 pm
AAAI-11/IAAI-11 Opening Reception

Tuesday, August 9

8:30 - 9:00 am
Grand Ballroom, Street Level
AAAI-11/IAAI-11 Opening Ceremony

Welcome and Opening Remarks
Outstanding Award Presentations -- Papers, SPC Member, PC Member
Wolfram Burgard and Dan Roth, AAAI-11 Program Cochairs

IAAI Welcome, Robert S. Engelmores Award, Deployed Application Award Announcements
Daniel Shapiro, IAAI-11 Conference Chair, Markus Fromherz, IAAI-11 Program Cochair, and David Leake, AI Magazine Editor-in-Chief

Feigenbaum Prize, AAAI Classic Paper Award, Distinguished Service Award
Fellows Announcement, Senior Member Recognition
Eric Horvitz, AAAI Past President and Awards Committee Chair
Henry Kautz, AAAI President

9:15 – 10:00 am
AAAI-11 25th Conference Anniversary Panel
Moderator: Manuela Veloso, AAAI President-Elect (Carnegie Mellon University)

10:00 – 10:20 am
Coffee Break

10:20 - 11:20 am
IAAI-11/AAAI-11 Joint Invited Talk: Building Watson: An Overview of DeepQA for the Jeopardy! Challenge
David Ferrucci (IBM T J Watson Research Center)

11:30 am – 12:30 pm
IAAI: Knowledge Access 1 (News Finding)
Deployed 4: NewsFinder: Automating an Artificial Intelligence News Service
Liang Dong, Reid G. Smith, Bruce Buchanan

Deployed 9: The News that Matters to You Design and Deployment of a Personalized News Service
Mark J. Stefik, Lance Good

12:30 – 1:50 pm
Lunch Break

1:50 - 2:50 pm
IAAI: Planning and Search 1 (Military Operations)
10: Hybrid Qualitative Simulation of Military Operations
Thomas Hinrichs, Kenneth Forbus, Johan de Kleer, Sungwook Yoon, Eric Jones, Robert Hyland, Jason Wilson

Deployed 49: Learning by Demonstration Technology for Military Planning and Decision Making: A Deployment Story

Karen Myers, Jake Kolojechick, Carl Angiolillo, Tim Cummings, Tom Garvey, Melinda Gervasio, Will Haines, Chris Jones, Janette Knittel, David Morley, William Ommert, Scott Potter

3:00 - 4:00 pm

IAAI: Intelligence Analysis

3: Abductive Inference for Combat: Using SCARE-S2 to Find High-Value Targets in Afghanistan

Paulo Shakarian, Margo K. Nagel, Brittany E. Schuetzle, V. S. Subrahmanian

46: Monitoring Entities in an Uncertain World: Entity Resolution and Referential Integrity

Steven N. Minton, Sofus A. Macskassy, Peter LaMonica, Kane See, Craig A. Knoblock, Greg Barish, Matthew Michelson, Raymond Liuzzi

4:00 – 4:20 pm

Coffee Break

4:20 - 5:20 pm

IAAI: Security and Privacy

5: A Machine Learning Based System for Semi-Automatically Redacting Documents

Chad Cumby, Rayid Ghani

42: Testing Cyber Security with Simulated Humans

Jim Blythe, Aaron Botello, Joseph Sutton, David Mazzoco, Jerry Lin, Marc Spraragen, Michael Zyda

6:30 – 10:00 pm

IAAI-11 Lab Tour at Google San Francisco

(By reservation only; space limited; information available July 1)

Wednesday, August 10

9:00 – 10:00 am

IAAI: Machine Learning 1 (Health and Medicine)

Deployed 31: Machine Learning and Sensor Fusion for Estimating Continuous Energy Expenditure

Nisarg Vyas, Jonathan Farrington, David Andre and John (Ivo) Stivoric

32: Detecting Falls with Location Sensors and Accelerometers

Mitja Lustrek, Hristijan Gjoreski, Simon Kozina, Bozidara Cvetkovic, Violeta Mirchevska, Matjaz Gams

10:00 – 10:20 am

Coffee Break

10:20 - 11:20 am

IAAI-11 Invited Talk: Robert S. Engelmore Memorial Award Lecture:

Playing with Cases: Rendering Expressive Music Performance with Case-Based Reasoning

Ramon Lopez de Mantaras (Artificial Intelligence Research Institute (IIIA) and Spanish National Research Council (CSIC))

11:30 am - 12:30 pm

IAAI: Machine Learning 2

40: Emerging Applications for Intelligent Diabetes Management
Cindy Marling, Matthew Wiley, Razvan Bunescu, Jay Shubrook, Frank Schwartz

38: Learning a Skill-Teaching Curriculum with Dynamic Bayes Nets
Derek T. Green, Thomas J. Walsh, Paul R. Cohen

12:30 – 1:50 pm
Lunch Break

1:50 - 2:50 pm

IAAI: Natural Language

15: Automatically Mapping Natural Language Requirements to Domain-Specific Process Models

Uthayashankar Thayasivam, Kunal Verma, Alex Kass, Reymonrod Vasquez

36: The Stock Sonar — Sentiment Analysis of Stocks Based on a Hybrid Approach
Ronen Feldman, Benjamin Rosenfeld, Roy Bar-Haim, Moshe Fresko

3:00 - 4:00 pm

IAAI: Data Mining

8: Accelerating the Discovery of Data Quality Rules: A Case Study

Peter Z. Yeh, Colin A. Puri, Mark Wagman, Ajay K. Easo

24: Modeling Player Retention in Madden NFL 11

Ben G. Weber, Michael John, Michael Mateas, Arnav Jhala

4:00 – 4:20 pm
Coffee Break

4:20 - 5:20 pm

IAAI: Planning and Search 2

20: Designing Resilient Long-Reach Passive Optical Networks

Deepak Mehta, Barry O'Sullivan, Luis Quesada, Marco Ruffini, David Payne, Linda Doyle

35: Online Planning to Control a Packaging Infeed System

Minh Do, Lawrence Lee, Rong Zhou, Lara Crawford, Serdar Uckun

6:30 – 9:30 pm

AAAI-11 Poster Session Reception

Thursday, August 11

9:00 – 10:00 am

IAAI: Knowledge Access 2 (9:30 AM)

Deployed 44: The Glass Infrastructure: Using Common Sense to Create a Dynamic, Place-Based Social Information System

Catherine Havasi, Richard Borovoy, Boris Kizelshteyn, Polychronis Ypodimatopoulos, Jon Ferguson, Henry Holtzman, Andrew Lippman, Dan Schultz, Matthew Blackshaw, Greg Elliott, Chaki Ng

10:00 – 10:20 am
Coffee Break

10:20 - 11:20 am

IAAI-11 Invited Talk: HaloBook and Progress Towards Digital Aristotle

David Gunning (Vulcan Inc.)