



26th AAAI Conference on Artificial Intelligence

Program Co-Chairs:

Jörg Hoffmann & Bart Selman

Program Highlights

- **Alan Turing Centenary:** ACM Turing Award Lecture
Judea Pearl, AAAI Turing Lecture Christos Papadimitriou
- **Special tracks:** AI and the Web, Cognitive Systems,
Computational Sustainability, Robotics
- **EAAI:** Educational Advances in AI
- **IAAI:** Innovative Applications of AI Conference
- **Sub-Area Spotlights track:** Combines Best-Paper track à la IJCAI 2011 with invited presentations on current trends (“What's Hot”) and open issues (“Challenges”) in AI sub-areas
- **Competitions and demos:** AI Video Competition, General Game Playing, Computer Poker, Robotics Multimedia Fair

Program Highlights

... ah yes, and BTW we turned the whole program structure upside down.

- **Oral vs poster papers:** Both accepted as FULL papers with SAME standards; presentation form decided based on *broadness of interest*
- **Poster advertisement talks:** Posters associated with technical sessions. Each poster will be advertised using 1 slide in 2 minutes
- **Poster sessions:** ALL posters together in ONE common room, to foster interaction across areas
- ⇒ **Reduced number of parallel sessions (5)**
- (⇒ Ideas stolen from IJCAI 2011)

Alan Turing Centenary

- **ACM A.M. Turing Award Lecture:**

Judea Pearl

The Mechanization of Causal Inference: A "Mini Turing Test" and Beyond

- **AAAI Turing Lecture:**

Christos Papadimitriou

The Origin of Computable Numbers: A Tale of Two Classics

AAAI Invited Talks

- **Henry Kautz:** Revisiting the Dream
- **Regina Barzilay:** Learning to Behave by Reading
- **Ross D. King:** Automating Biology Using Robot Scientists
- **Joshua B. Tenenbaum:** How to Grow a Mind: Statistics, Structure and Abstraction
- **Luis von Ahn:** Duolingo: Translating the Web with Millions of People

Technical Papers

- Yet another Record number of submissions! (tops previous 2011 record by 139 papers)
- **1129 technical paper submissions, 294 accepted**
 - 26 Area Chairs + 74 SPC members
 - 785 PC members
 - \approx 4500 reviews and meta-reviews!
 - \approx How many emails read and sent by PC Chairs? You name it!

IAAI Conference Chairs:

Markus Fromherz

Hector Munoz-Avila

EAAI Symposium Chair:

David Kauchak

Special Track Chairs

AI and the Web:

Denny Vrandečić, Chris Welty

Cognitive Systems:

James Allen, Matthias Scheutz

Computational Sustainability:

Carla P. Gomes, Brian C. Williams

Robotics:

Kurt Konolige, Sidd Srinivasa

Event Chairs

- **Conference Committee Chair:** Dieter Fox
- **Turing Centenary:** Toby Walsh
- **Sub-Area Spotlights Track:** Bernhard Nebel, Marco Ragni
- **Tutorials:** Carmel Domshlak, Patrick Pantel
- **Workshops:** Michael Beetz, Holger Hoos
- **Doctoral Consortium Chairs:** Peter McBurney, Elizabeth Sklar
- **Student Abstracts and Posters:** Kristian Kersting, Rudolph Triebel
- **Robotics Fair:** Jim Little, Junaed Sattar
- **Poker Competition:** Eric Jackson, Jonathan Rubin, Chris Archibald
- **AI Video Competition:** Mauro Birattari, Marco Dorigo, Rehan O'Grady

Who Really Did the Work

Carol Hamilton

Keri Harvey

Corina Anzaldo-Vaughn

Colleen Boyce

Mike Hamilton

Thomas Preuss

Special Thanks to Andrei Voronkov for making the assignment of papers to reviewers!

Sponsors

■ Platinum:

- *AI Journal*
- Steven Kuhn
- National Science Foundation

■ Gold:

- Microsoft Research

■ Silver:

- Cornell Institute for Computational Sustainability
- Google, Inc.
- University of Rochester

■ Bronze:

- GE Global Research
- IBM Research
- NICTA

■ Sponsors:

- ACM/SIGART
- Barbara J. Grosz
- David E. Smith
- Videlectures.net

Awards

Outstanding Area Chair

Eyke Hüllermeier

Philipps-University of Marburg, Germany

Outstanding Senior PC Member

Edith Elkind

Nanyang Technological University, Singapore

Roni Khardon

Tufts University, USA

Outstanding PC Member

Lloyd Elliott

University College London, UK

Andrey Kolobov

University of Washington, USA

Scott Sanner

NICTA, Australia

Kiri Wagstaff

Jet Propulsion Laboratory, USA

Outstanding Paper, Computational Sustainability Track

MOMDPs: a Solution for Modelling Adaptive Management Problems

Iadine Chadès, Josie Carwardine, Tara G. Martin, Samuel Nicol, Régis Sabbadin, Olivier Buffet

Tuesday, July 24, 3:05 pm

Coupling Spatiotemporal Disease Modeling with Diagnosis (Outstanding Student Paper)

Martin Mubangizi, Catherine Ikae, Athina Spiliopoulou, John A. Quinn

Thursday, July 26, 10:20 am

Outstanding Paper, Honorable Mention

Knapsack Based Optimal Policies for Budget-Limited Multi-Armed Bandits (Poster!)

Long Tran-Thanh, Archie Chapman, Alex Rogers,
Nicholas R. Jennings

Wednesday, July 25, 5:30 pm

Predicting Disease Transmission from Geo-Tagged Micro-Blog Data (AI & Web Track)

Adam Sadilek, Henry Kautz, Vincent Silenzio

Wednesday, July 25, 5:10 pm

Outstanding Paper

Learning SVM Classifiers with Indefinite Kernels

Suicheng Gu, Yuhong Guo

Tuesday, July 24, 2:25 pm

*Document Summarization Based on Data
Reconstruction*

Zhanying He, Chun Chen, Jiajun Bu, Can Wang,
Lijun Zhang, Deng Cai, Xiaofei He

Wednesday, July 25, 10:20 am

Enjoy the 26th AAAI!