2013 AAAI Feigenbaum Prize Awarded!

AAAI is delighted to announce that the IBM Watson Team has been selected as the winner of the 2013 AAAI Feigenbaum Prize. Jennifer Chu-Carroll of IBM accepted the award during AAAI-13 on behalf of the entire team for their successful Jeopardy challenge in 2010.

The team was specifically honored for demonstrating that a synthesis of AI techniques, including symbolic knowledge representation, natural language understanding, and statistical machine learning, can achieve human-level performance in real-time factual question-answering.

Members of the team include Sugato Bagchi, Michael Barborak, Branimir Boguraev, Eric Brown, David Carmel, Jennifer Chu-Carroll, Jaroslaw Cwiklik, Edward Epstein, James Fan, David Ferrucci, Tong-Haing Fin, David Gondek, Bhavani Iyer, Aditya Kalyanpur, Hiroshi Kanayama, Adam Lally, Jonathan Lenchner, Anthony Levas, Burn Lewis, Michael McCord, Erik Mueller, J. William Murdock, Yue Pan, Siddharth Patwardhan, John Prager, Marshall Schor, Dafna Sheinwald, David Shepler, Kohichi Takeda, Gerald Tesauro, Chang Wang, Chris Welty, Wlodek Zadrozny, and Lei Zhang.

The Feigenbaum Prize is awarded biennially to recognize and encourage outstanding artificial intelligence research advances that are made by using experimental methods of computer science. The associated cash prize of $10,000 is provided by the Feigenbaum Nii Foundation.

AAAI Classic Paper Award

The 2013 AAAI Classic Paper Award was given to the authors of the most influential papers from the Twelfth National Conference on Artificial Intelligence, held in 1994 in Seattle, Washington. This year the committee chose two papers for the award.

Jean-Charles Régin was honored for his paper, A Filtering Algorithm for Constraints of Difference in CSPs, and its groundbreaking contributions to constraint programming via the development of one of the first propagators for global constraints.

AAAI News

*Fall News from the
Association for the Advancement
of Artificial Intelligence*

In addition, Anthony R. Cassandra, Leslie Pack Kaelbling and Michael L. Littman were honored for their paper, Acting Optimally in Partially Observable Stochastic Domains, and its significant contributions to the application of POMDP models in AI and to practical algorithms for their solution.

Jean-Charles Régin is a professor at University Nice-Sophia Antipolis, France. Régin received a Ph.D. in computer science from the University of Montpellier II (France) in 1995 and a "Habilitation à Diriger des Recherches" in 2004 at the University Nice-Sophia Antipolis. He joined ILOG in 1995, becoming the director of constraint programming in 2001. He is now a professor at the University Nice-Sophia Antipolis.

Régin is a pioneer of the research on global constraints. Most notably, he has proposed the famous filtering algorithm of the alldiff constraint in one of the most cited papers in CP. He is the author of several global constraints, and has also contributed to the improvement of the classical arc-consistency algorithm and the study of over-constrained problems for which he introduced the concept of soft global constraints. He has designed new CP methods for solving complex combinatorial applications such as sports scheduling, car sequencing, network design, maximum-clique problems and traveling salesman problem. He has published more than 50 papers while working at the industry. He is the coeditor, with Pascal Van Hentenryck, of the *Constraint Programming Letters*.

Anthony Cassandra was most recently at Pronto, LLC. As one of the founders, he began as a senior scientist for the team that built Pronto's data processing

pipeline and its search platform. He continued designing and developing new systems in the role of chief architect before becoming the CTO. Earlier, Cassandra was a research fellow in the Psychology Department of the University of Texas at Austin and an assistant professor of computer science at St. Edwards University in Austin, Texas. He has also worked at Telcordia and at MCC doing research and development projects for technology companies and the defense industry. Cassandra earned a Ph.D. in computer science from Brown University and graduated from SUNY at Stony Brook with a double major B.S in computer science and applied mathematics and statistics.

Leslie Pack Kaelbling is the Panasonic Professor of Computer Science and Engineering at the Computer Science and Artificial Intelligence Laboratory (CSAIL) at the Massachusetts Institute of Technology. She has made research contributions to decision-making under uncertainty, learning, and sensing with applications to robotics, with a particular focus on reinforcement learning and planning in partially observable domains.

She holds an A.B in philosophy and a Ph.D. in computer science from Stanford University, and has had research positions at SRI International and Teleos Research and a faculty position at Brown University. She is the recipient of the US National Science Foundation Presidential Faculty Fellowship, the IJCAI Computers and Thought Award, and several teaching prizes, and has been elected a fellow of the AAAI. She was the founder and editor-in-chief of the *Journal of Machine Learning Research.*

Michael L. Littman joined Brown Uni-

Congratulations to the 2013 AAAI Fellows!

Each year a small number of fellows are recognized for their unusual distinction in the profession and for their sustained contributions to the field for a decade or more. An official dinner and ceremony was held in their honor during AAAI-13 in Bellevue, Washington.

Bonnie Dorr, University of Maryland

For significant contributions to natural language understanding and representation, and development of the widely recognized methods for interlingual machine translation.

Tim Finin, University of Maryland, Baltimore County

For significant contributions to the theory and practice of knowledge sharing in multiagent systems and on the Web, and for sustained service to the AI community.

Lise Getoor, University of Maryland

For significant contributions to methods which combine probabilistic and logical representations in machine learning, knowledge discovery, graph mining, network analysis, and database systems.

Sven Koenig, University of Southern California

For significant contributions to planning, decision making, and coordination for robots and other situated agents.

Lillian Lee, Cornell University

For significant contributions to natural language processing, including in sentiment analysis and in drawing connections to the social sciences.

Gerald J. Tesauro, IBM TJ Watson Research Center

For significant contributions to neural computation, game-playing (Backgammon, Chess and Jeopardy!), autonomic computing, and economic agents.

Miroslaw Truszczynski, University of Kentucky

For significant contributions to the theory of nonmonotonic reasoning and to the invention of answer set programming.

Qiang Yang, Hong Kong University of Science and Technology

For significant contributions to fundamental research and practical applications of AI planning, data mining and case-based reasoning.

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versity's Computer Science Department as a full professor after ten years (including 3 as department chair) at Rutgers University. His research in machine learning examines algorithms for decision making under uncertainty. Littman has earned multiple awards for teaching and his research. He has served on the editorial boards of the *Journal of Machine Learning Research* and the *Journal of Artificial Intelligence Research.* In 2013, he was general chair of the International Conference on Machine Learning (ICML) and program cochair of the Association for the Advancement of Artificial Intelligence Conference and he served as program cochair of ICML 2009.

AAAI Distinguished Service Award

The 2013 AAAI Distinguished Service Award recognizes one individual for extraordinary service to the AI community. The AAAI Awards Committee is pleased to announce that this year's recipient was Ted E. Senator, SAIC, Inc. Senator was honored specifically for his sustained service to AAAI as a driving force behind the IAAI conference, as the secretary-treasurer for the society, and through his role in securing funding for AI research..

Ted Senator is a vice president and technical Fellow at SAIC. He has led numerous projects to research, devel-

op, and apply AI and data mining techniques to large scale analytic problems in national security, financial fraud, and regulation. His technical interests include complex event detection, anomaly detection, data mining, knowledge discovery, data fusion, predictive analytics, and finance. He was previously a program manager at the US Defense Advanced Research Projects Agency where he initiated and led projects in relational data analysis and machine learning. He is a three-time winner of the AAAI Innovative Applications Award, in 1985, 1989, and 1998, for his work for the US Navy, US Department of the Treasury, and NASD Regulation. Senator has been a member

of the IAAI program committee every year since 1993, serving as program chair in 1997 and cochair in 1996. He has served as secretary-treasurer of AAAI since 2003 and as a member of the finance committee since 1998. He has also served as the program cochair for the industry government track of the ACM SIGKDD Conference on Knowledge Discovery and Data Mining in 2010, 2011, and 2013 and general chair in 2003. He received the Federal Information Technology Leadership Award in 1995. He was selected as a Senior Member of AAAI in 2011.

2013 Robert S. Engelmore Memorial Lecture Award

This award was established in 2003 to honor Robert S. Engelmore's extraordinary service to AAAI, *AI Magazine,* and the AI applications community, and his contributions to applied AI. The annual keynote lecture is presented at the Innovative Applications of Artificial Intelligence Conference. Topics encompass Engelmore's wide interests in AI, and each lecture is linked to a subsequent article published upon approval by *AI Magazine.* The lecturer and, therefore, the author for the magazine article, are chosen jointly by the IAAI Program Committee and the editor of *AI Magazine.*

AAAI congratulates the 2013 recipient of this award, Deborah L. McGuinness, Rensselaer Polytechnic Institute. McGuinness was honored for her leadership in semantic web research and in bridging AI and eScience, significant contributions to deployed AI applications, and extensive service to the AI community. She will present her award lecture at the Innovative Applications of Artificial Intelligence Conference in Quebec City in 2014.

Deborah L. McGuinness is the Tetherless World Senior Constellation Chair, professor of computer and cognitive science, and founding director of Rensselaer Polytechnic Institute's Web Science Research Center. McGuinness is a leading authority on the semantic web and has been working in knowledge representation and reasoning environments for over 25 years. Her primary research focuses on making smart systems understandable and usable by a broad range of people. She leads active research efforts in explanation, trust, ontology environments, and provenance. McGuinness is also known for semantic application environments, particularly for eScience frameworks such as the semantic escience framework and demonstration portals including many in natural science and health informatics settings. McGuinness also founded McGuinness Associates — a small woman owned business — that consults on semantic applications in a wide range or areas with recent focus on health and environmental informatics, context-aware mobile computing, and next generation journalism.

AAAI-13 Program Committee Awards

AAAI-13 program cochairs Marie desJardins and Michael Littman recognized the following members of the AAAI-13 Program Committee for their distinguished service on the committee. These individuals went above and beyond the expectations for the role, showing exceptional judgment, clarity, knowledgeability, and leadership in reaching a consensus decision while serving on the committee.

Outstanding Senior
Program Committee Members

> Ariel Felner (Ben-Gurion University, Israel)
>
> David Pynadath (USC Institute for Creative Technologies, USA)
>
> Neil Yorke-Smith (American University of Beirut, Lebanon)

Outstanding Program Committee Members

> Paul Harrenstein (University of Oxford, UK)
>
> Malte Helmert (University of Basel, Switzerland)
>
> Kristian Kersting (Fraunhofer IAIS and University of Bonn, Germany)
>
> Steven Okamoto (Ben-Gurion University of the Negev, Israel)
>
> Gabriele Röger (University of Basel, Switzerland)
>
> Ashish Sabharwal (IBM Watson Research Center, USA)

AAAI-13 Outstanding Papers

This year, AAAI's Conference on Artificial Intelligence honored two papers that exemplify the highest standards in technical contribution and exposition. Candidate papers for the AAAI-13 awards were selected based on overall ratings and nominations by the PC and senior PC. A committee composed of the program cochairs and several associate chairs and senior program committee members reviewed all candidate papers and selected the winning paper. This year, two papers were selected for their exceptional quality in all review categories. In addition, four papers were selected for honorable mention, based on their overall high quality and particularly outstanding contributions in specific areas. Honors went to:

> SMILe: Shuffled Multiple-Instance Learning, by Gary Doran and Soumya Ray

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AAAI Congratulates New Senior Members!

AAAI announced its new class of AAAI Senior Members at the recent AAAI-13 Conference in Bellevue. Senior Member status is designed to recognize AAAI members who have achieved significant accomplishments within the field of artificial intelligence. To be eligible for nomination for Senior Member, candidates must be consecutive members of AAAI for at least five years and have been active in the professional arena for at least ten years. AAAI congratulates the new Senior Members:

> Nestor Rychtyckyj (Ford Motor Company, USA)
>
> R. Michael Young (North Carolina State University, USA)

Join Us for AIIDE-13!

The Ninth AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment will be held at Northeastern University in Boston, Massachusetts, USA, October 14–18, 2013. AIIDE is the definitive point of interaction between interactive entertainment software developers interested in AI and academic and industrial AI researchers. Sponsored by AAAI, the conference is targeted at both the research and commercial communities, promoting AI research and practice in the context of interactive digital entertainment systems with an emphasis on commercial computer and video games.

AIIDE-13 will include invited talks by Richard Evans (Linden Lab), D. Fox Harrell (MIT), Aleissia Laidacker (Ubisoft Montreal), and John Abercrombie (Irrational Games), as well as technical paper presentations, a poster/demo session, a doctoral consortium, and the annual Starcraft AI competition. A new track on playable experiences will include examples of articulable innovation in the use of AI that directly affect the user's experience, including novel game designs that leverage existing AI techniques, as well as innovations in the techniques themselves that lead to new kinds of playable experiences. Finally, the workshop program, to be held October 14 and 15, will include the following four workshops:

W1: AI and Game Aesthetics (Monday, October 14). *Organizers:* Antonios Liapis (IT University of Copenhagen, Denmark), Michael Cooke (Imperial College, UK), Cameron Browne (Imperial College, UK)

W2: AI in the Game Design Process (Tuesday, October 15.) *Organizers:* Adam M. Smith (University of Washington), Gillian Smith (Northeastern University), Mark J. Nelson (IT University of Copenhagen, Denmark)

W3: Intelligent Narrative Technologies (Monday and Tuesday, October 14-15). *Organizers:* Mei Si (Rensselaer Polytechnic Institute), Marc Cavazza (Teesside University), Alex Zook (Georgia Institute of Technology)

W4: Musical Metacreation (Monday and Tuesday, October 14-15). *Organizers:* Philippe Pasquier (Simon Fraser University), Arne Eigenfeldt (Simon Fraser University), Oliver Brown (The University of Sydney), and Graeme McCaig (Simon Fraser University)

The full conference program and registration information is available at aiide.org. The late registration deadline is September 20. Onsite rates will be in effect after that date, but preregistration is preferred. The online registration form is available at www. regonline.com/aiide13, and will be open through the conference period. Registrations will also be accepted onsite at the Curry Student Center (CSC), 346 Huntington Avenue on the Northeastern campus. For more information about registration or hotels in the area, please consult www.aiide.org, or write to aiide13@aaai.org.

HC-Search: Learning Heuristics and Cost Functions for Structured Prediction, by Janardhan Rao Doppa, Alan Fern, and Prasad Tadepalli

The following four papers received an honorable mention:

On the Value of Using Group Discounts under Price Competition, by Reshef Meir, Tyler Lu, Moshe Tennenholtz, and Craig Boutilier (for outstanding technical quality and clarity of presentation)

PAC Optimal Exploration in Continuous Space Markov Decision Processes , by Jason Pazis and Ronald Parr (for outstanding formal analysis)

Sensitivity of Diffusion Dynamics to Network Uncertainty, by Abhijin Adiga, Chris Kuhlman, Henning S. Mortveit, and Anil Kumar S. Vullikanti (for outstanding novelty of research question)

Effective Bilingual Constraints for Semi-supervised Learning of Named Entity Recognizers, by Mengqiu Wang, Wanxiang Che, and Christopher D. Manning (for outstanding engineering design.

Special Computing Community Consortium Computational Sustainability Awards

AAAI-13 joined with the Computing Community Consortium (cra.org/ccc) to promote work at the intersection of computing and sustainability on principles and applications that address environmental, economic, and societal needs in support of a sustainable future. AAAI-13 track chairs Douglas Fisher and Carla Gomes, in association with CCC director Ann Drobnis, announced the papers from the Special Track on Computational Sustainability and Artificial Intelligence that were honored in Bellevue:

Best Paper Award

Approximate Bayesian Inference for Reconstructing Velocities of Migrating Birds from Weather Radar, by Daniel Sheldon, Andrew Farnsworth, Jed Irvine, Benjamin Van Doren, Kevin Webb, Thomas G. Dietterich, and Steve Kelling

Best Student Paper Award

A Temporal Motif Mining Approach to Unsupervised Energy Disaggregation: Applications to Residential and Commercial Buildings, by Huijuan Shao, Manish Marwah, and Naren Ramakrishnan

2013 AI Video Competition

The seventh annual AI video competition was held during AAAI-13 and several winning videos were honored during the awards presentation.

Videos were nominated for awards in three categories, and winners received a gold "Shakey" award following the opening reception during the conference. Our thanks go to Mauro Birattari and Manuele Brambilla for all their work in pulling off this exciting event in Bellevue.

The winners of the three awards were as follows:

Best Video

Flow Machines. Fiammetta Ghedini, François Pachet, and Pierre Roy (Sony Computer Science Lab)

Most Entertaining Video
(joint first prize)

Robot Assistance in Your Pocket. Ray Li, Krista Shapton, Mason Marino, Dan Grollman, and Neal Checka (Vecna Technologies)

Unshackling Evolution: Evolving Soft Robots with Multiple Materials. Nick Cheney, Robert MacCurdy, Jeff Clune, and Hod Lipson (Cornell University)

Best Student Video

Task Relevant Roadmaps: iCub Demon-stations. Marijn Stollenga, Leo Pape, Kail Frank, Juergen Leitner, Alexander Forster, and Jurgen Schmidhuber (IDSIA, SUPSI-USI)

AAAI gratefully acknowledges the generous contributions of *AI Journal,* which made this competition possible. We would also like to acknowledge IRIDIA, Université Libre de Bruxelles, Belgium and the Direct Manufacturing Research Center of the University of Paderborn, Germany, for designing and 3D printing the Shakey statuette, respectively. Congratulations to all the winners!

2013 General Game Playing Competition Results

AAAI congratulations the winner of this year's General Game Playing (GGP) Competition, Sam Schreiber, whose TurboTurtle defeated Hilmar Finsson's CadiaPlayer, reversing the result of last year. The GGP Competition is designed to test the abilities of general game players by comparing their perform-ance on a variety of previously unseen games. In all, sixteen teams competed this year. In the preliminary round, the sixteen teams played multiple matches of different games to whittle the field down to just four competitors. These four then competed in a final competi-tion involving six additional games. Please see games.stanford.edu for a summary of the competition, and visit gamemaster.stanford.edu for full details on the games and matches played. AAAI would like to thank Michael Genesereth, Gabe Alvarez, and Dustin Fink of Stanford University for all his efforts in organizing this event.

2013 Trading Agents Competition

The Trading Agent Competition is an international forum aiming to encour-age and promote high quality research in the technology underlying trading agents. The competition has been held annually since 2000 and has attracted participants from multiple institutions worldwide. This year, the competition involved two scenarios: Power TAC, where agents act as retail brokers in a local power distribution region, where they must solve a supply-chain prob-lem in which the product is infinitely perishable, and supply and demand must be exactly balanced at all times; and TAC Ad Auctions, where agents representing Internet advertisers bid for search-engine ad placement over a range of interrelated keyword combi-nations, attempting to maximize profit over a simulated campaign horizon.

The winning teams were:

Power TAC

1. TacTex (University of Texas at Austin, USA)

2. cwiBroker (CWI Amsterdam, The Netherlands)

3. MLLBroker (University of Freiburg, Germany)

TAC Ad Auctions

1. tau (Tel Aviv University, Israel)

2. Schlemazl (Brown University, USA)

3. Mertacor (Artistotle University of Thessaloniki, Greece)

AAAI-14 and IAAI-14 in Québec City, Canada!

The Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI-14) and the Twenty-Sixth Conference on Inno-vative Applications of Artificial Intelli-gence (IAAI-14) will be held July 27-31 at the Québec City Convention Centre in Québec City, Québec, Canada.

Québec City, a UNESCO World Her-itage Treasure, is North America's most European city, filled with muse-ums and other historic attractions. Québec's beautiful Old Town (Vieux-Québec) is the only North American fortified city north of Mexico whose walls still exist. The convention cen-ter and conference hotel are only steps away from the historic section of Québec.

AAAI will be preceded by the 2014 Cognitive Science Conference, July 23-26, and plans are underway for coordi-nation of events that would be of mutual interest to conference partici-pants. For local information, please vis-it the Québec City Tourism site at www.quebecregion.com.

AAAI-14 welcomes submissions on mainstream AI topics as well as novel crosscutting work in related areas. Top-ics include applications, AI and the Web, case-based reasoning, cognitive systems, computational sustainability and AI, constraints and satisfiability, game playing and interactive entertain-ment, heuristic search, human-comput-er collaboration, knowledge representa-tion and reasoning, machine learning, multiagent systems, multidisciplinary topics, natural-language processing, planning and scheduling, reasoning under uncertainty, robotics, and vision.

For the preliminary call for papers, please see www.aaai.org/aaai14.

In addition to the main technical program, AAA-14 will include the tuto-rial forum, workshop program, video competition, robotics program, student abstracts program, the AAAI/SIGART Doctoral Consortium, and the fifth AAAI Educational Advances in Artificial Intelligence Symposium, to name only a few of the highlights.

For complete information on these programs, including tutorial and work-shop calls for proposals, please visit the AAAI-14 website or write to us at aaai14@aaai.org.

The IAAI-14 conference will use technical papers, invited talks, and panel discussions to explore issues, methods, and lessons learned in the development and deployment of AI applications, and to promote an inter-change of ideas between basic and applied AI. IAAI-14 will consider papers in three tracks: (1) deployed applica-tion case studies, (2) challenge problem papers, and (3) emerging applications or methodologies. For more informa-tion and a full call for papers, please see www.aaai.org/iaai14.php.

The AAAI-14 program cochairs are Carla Brodley (Tufts University, USA) and Peter Stone (University of Texas at Austin, USA).

The IAAI-13 conference chair and cochair are David Stracuzzi (Sandia National Laboratories, USA) and David Gunning.

We hope to see you in Québec City next summer!

2013 AAAI Fall Symposium Series Registration

The Association for the Advancement of Artificial Intelligence's 2013 Fall Symposium Series will be held Friday through Sunday, November 15-17 at the Westin Arlington Gateway, Arlington Virginia, adjacent to Washington, DC. The titles of the five symposia are:

Discovery Informatics: AI Takes a Science-Centered View on Big Data

How Should Intelligence be Abstracted in AI Research: MDPs, Symbolic Representations, Artificial Neural Networks, or — ?

Integrated Cognition

Semantics for Big Data

Social Networks and Social Contagion: Web Analytics and Computational Social Science

An informal reception will be held on Friday, November 15. A general plenary session, in which the highlights of each symposium will be presented, will be held on Saturday, November 16. Symposia will be limited to 40–75 participants each. Participation will be open to active participants as well as other interested individuals on a first-come, first-served basis. Each participant will be expected to attend a single symposium. AAAI technical reports will be distributed to participants in electronic forma, and will be added to the AAAI digital library.

The final deadline for registration is October 18, 2013. For registration information, please contact AAAI at fss13@aaai.org or visit AAAI's web site at www.aaai.org/Symposia/Fall/fss13.php. A hotel room block has been reserved at the Westin. The cut-off date for reservations is October 24, 2013. Please call +1-888-627-7076 (reference AAAI) for reservations, or reserve a room online.

2014 AAAI Spring Symposium Series Call for Participation

AAAI presents the 2014 Spring Symposium Series, to be held Monday - Wednesday, March 24–26, 2014, at Stanford University. The titles of the eight symposia will be as follows:

Big Data Becomes Personal: Knowledge into Meaning. Takashi Kido (Riken Genesis Co., LTD., Japan) and Keiki Takadama (The University of Electro-Communications, Japan)

Formal Verification and Modeling in Human-Machine Systems. Ellen Bass (Drexel University, USA), Michael Goodrich (Brigham Young University, USA), Eric Mercer (Brigham Young University, USA), Neha Rungta (NASA Ames Research Center, USA)

Game Theory for Security, Health and Sustainability. Manish Jain (University of Southern California, USA), Albert Xin Jiang (University of Southern California, USA), Bo An (Chinese Academy of Sciences, China), Samarth Swarup (Virginia Tech, USA)

Implementing Selves with Safe Motivational Systems and Self-Improvement. Mark Waser (Digital Wisdom Institute, USA)

The Intersection of Robust Intelligence and Trust in Autonomous Systems. Jennifer Burke (Boeing, USA), Alan Wagner (Georgia Tech Research Institute, USA), Don Sofge (Naval Research Laboratory, USA), W.F. Lawless (Paine College, USA)

Knowledge Representation and Reasoning in Robotics. Mohan Sridharan (Texas Tech University, USA), Fangkai Yang (The University of Texas at Austin, USA), Subramanian Ramamoorthy (The University of Edinburgh, UK), Volkan Patoglu (Sabanci University, Turkey), Esra Erdem (Sabanci University, Turkey)

Qualitative Representations for Robots. Nick Hawes (University of Birmingham)

Social Hacking and Cognitive Security on the Internet and New Media. Rand Waltzman (DARPA, USA)

For additional information, and links to the supplementary websites for each symposium, please see www.aaai.org/Symposia/Spring/sss14.php. Submissions for the symposia are due on October 4, 2013. Notification of acceptance will be given by November

1, 2013. Material to be included in the technical reports of the symposium must be received by January 17, 2014. Registration information will be available by December 15, 2013. Please contact AAAI at sss14@aaai.org with any questions.

Call for Nominations for AAAI President and Executive Councilors

Every two years, the AAAI membership elects an individual to serve a two-year term as president-elect, followed by two years as president, and, finally, two years as immediate past president. In addition, every year four new councilors are elected to serve three-year terms on the AAAI Executive Council. All elected officers and councilors are expected to attend at least two council meetings per year, and actively participate in AAAI activities. Nominees must be current members of AAAI. The Nominating Committee encourages all regular members in good standing to place an individual's name before them for consideration. (Student and library members are not eligible to submit candidates' names.) The Nominating Committee, in turn, will nominate two candidates for president-elect and eight candidates for councilor in the spring. In addition to members' recommendations, the committee will actively recruit individuals in order to provide a balanced slate of candidates. AAAI members will vote in the late spring.

To submit a candidate's name for consideration, please send the individual's name, affiliation, email address, and URL to Carol Hamilton, Executive Director, AAAI, 2275 East Bayshore Road, Palo Alto, CA 94303; by fax to 650/321-4457; or by email to hamilton@aaai.org.

Please include any additional information or recommendations that would be helpful to the Nominating Committee. Nominators should contact candidates prior to submitting their names to verify that they are willing to serve, should they be elected. The deadline for nominations is November 1, 2013.

AAAI Member News

Edward Feigenbaum Receives IEEE Computer Society Pioneer Award

Stanford University professor emeritus Edward Feigenbaum, known as "the father of expert systems," was named the IEEE Computer Society's 2013 Computer Pioneer Award recipient. Feigenbaum received the award "for pioneering work in artificial intelligence, including development of the basic principles and methods of knowledge-based systems and their practical applications." The Pioneer Award is given for significant contributions to early concepts and developments in the electronic computer field, which have clearly advanced the state-of-the-art in computing.

Feigenbaum holds BS and PhD degrees from Carnegie Mellon University, where his dissertation, supervised by Nobel Laureate Herbert Simon, produced the first computer simulation of human learning. In 1965, Feigenbaum joined the Stanford University computer science faculty, where he and Nobel laureate biologist Joshua Lederberg started the DENDRAL project, producing the world's first expert system.

Feigenbaum coauthored the first public list processing language, IPL-V, and founded Stanford's Heuristic Programming Project. He also coauthored and coedited *Computers and Thought*, the four-volume encyclopedia *Handbook of Artificial Intelligence*, and popular-audience books *Fifth Generation*, and *Rise of the Expert Company*.

From 1994 to 1997, he served as chief scientist of the US Air Force; and was awarded its Exceptional Civilian Service Award. Feigenbaum is a 1994 ACM Turing Award recipient, an inaugural member of the IEEE Intelligent Systems Artificial Intelligence Hall of Fame, and a member of the Computer History Museum's Hall of Fellows, and a AAAI Fellow and Past President.

He is a member of the National Academy of Engineering, the American Academy of Arts and Sciences, and was the first recipient of the Feigenbaum Medal of the International Congress on Expert Systems. The Feigenbaum Prize is awarded biennially by AAAI.

Peter Norvig Elected to the American Academy of Arts and Sciences

Peter Norvig, director of research at Google, was recently elected as a member of the American Academy of Arts and Sciences, a prestigious 233-year-old national honorary society of leaders from academia, business, public affairs and the humanities. The new class of members will be inducted at a ceremony on October 12, 2013, in Cambridge, Massachusetts.

Norvig is known most for his broad expertise in computer science and artificial intelligence, exemplified by his coauthorship (with Stuart Russell) of the leading college text, *Artificial Intelligence: A Modern Approach*. He has over fifty publications in computer science, concentrating on artificial intelligence, natural language processing, and software engineering. Prior to joining Google, Norvig was the head of the Computational Sciences Division at NASA Ames Research Center, making him NASA's senior computer scientist. He received the NASA Exceptional Achievement Award in 2001. He has taught at the University of Southern California and the University of California at Berkeley, from which he received a Ph.D. in 1986 and the distinguished alumni award in 2006. He was coteacher of an AI class that signed up 160,000 students, helping to kick off the current round of massive open online classes.

David Waltz Fellowship Fund

David Waltz, who died March 22, 2012, was a pioneer in AI, a leader of the field, and a mentor and friend to many. Part of his career was spent at Brandeis University, where a symposium was organized last fall where more than 100 people from all phases of his career came together to celebrate the man and his achievements. Brandeis has also initiated a fundraising campaign to endow a named graduate student fellowship in Dave's honor.

The Waltz Fellowship will be used to broaden the participation of women and minorities in AI. Once funded, it will enable a new student to be recruited as the Waltz fellow every four years, linking their name and Dave Waltz's forever. For more information about the Waltz Fellowship at Brandeis, please see davidwaltz.org.

In Memoriam: Mark Stickel

It is with deep regret that we report the passing of Mark Stickel on April 13, 2013. Stickel was a principal scientist in the Artificial Intelligence Center at SRI. He earned his Ph.D. from Carnegie Mellon University in 1978, and went to SRI in 1981 after a stay at the David Sarnoff Laboratories. He was a world-class researcher in automatic theorem proving, was the recipient of the 2002 Herbrand Award, the highest award in automated reasoning, and program chair for the 1990 International Conference on Automated Deduction, the main conference in his field. He was elected a AAAI Fellow in 1992.

Stickel was known as the developer of one of the first associative-commutative unification algorithms, which allow accelerated treatment of operators, like addition or multiplication, that can ignore the order of their arguments. He also developed general methods for building the properties of a theory (such as theories of time or space) into the inference operations of a reasoning system. He was the author of a number of notable theorem-proving systems, including the very fast Prolog Technology Theorem Prover and SNARK (SRI's New Automated Reasoning Kit). SNARK was used in many applications, including systems for reasoning about planetary astronomy, geography, biology, medicine, and business enterprise services. His theorem prover DDPP was the first to solve some problems in quasigroup theory, which are related to the popular Sudoku puzzle (but harder). Stickel's abductive reasoning system based on Prolog Technology was used in SRI's TACITUS system, the first to automate an abductive approach to natural-language understanding.