

CALL FOR PAPERS

The Second Conference on Artificial General Intelligence - AGI-09.org



March 6-9 (Fri-Mon) 2009

Crowne Plaza Washington National Airport
Arlington, Virginia

Continuing the mission of the highly successful *First AGI Conference* that was held at the University of Memphis in March 2008 (agi-08.org), AGI-09 will gather an international group of leading academic and industry researchers involved in serious scientific and engineering work aimed directly toward the goal of artificial general intelligence.

This is the only major conference series devoted wholly and specifically to the creation of AI systems possessing general intelligence at the human level and ultimately beyond. By gathering together active researchers in the field, for presentation of results and discussion of ideas, we accelerate our progress toward our common goal.



Keynote by **Jürgen Schmidhuber**, computer scientist and artist known for his work on machine learning, universal Artificial Intelligence (AI), artificial neural networks, digital physics, and low-complexity art. His contributions also include generalizations of

Kolmogorov complexity and the Speed Prior. Since 1995 he has been co-director of the Swiss AI lab IDSIA in Lugano, since 2004 also professor of Cognitive Robotics at the Tech. University Munich, since 2006 also in the faculty of the University of Lugano.



AGI-08.org: Stan Franklin, Ben Goertzel, Wlodzislaw Duch, Steve Omohundro, John Laird, Moshe Looks, Pei Wang.

ARTIFICIAL GENERAL INTELLIGENCE

The original goal of the AI field was the construction of “thinking machines” – that is, computer systems with human-like general intelligence. Due to the difficulty of this task, for the last few decades the majority of AI researchers have focused on what has been called “narrow AI” – the production of AI systems displaying intelligence regarding specific, highly constrained tasks. In recent years, however, more and more researchers have recognized the necessity – and feasibility – of returning to the original goals of the field. Increasingly, there is a call for a transition back to confronting the more difficult issues of “human level intelligence” and more broadly “artificial general intelligence (AGI).”

KEY DATES

Sept 20, 2008 – Registration Opens

(Attendance Capped at 150)

Nov 12, 2008 - Paper Submissions

Jan 1, 2009 - Camera-ready Copy

PRELIMINARY SCHEDULE

FRI, MAR 6:

Pre-conference Tutorials
Conference Introduction and Keynote Speech
AGI Software Demos

SAT-SUN, MAR 7-8:

Themed Sessions
Poster Sessions
AGI Software Demos

MON, MAR 10:

Post-conference Workshops:

- **The Future of AGI**, Chair: **Josh Hall**
- **AGI and Serious Games**, Co-chairs: **David Gobel**, *DHS*; **Ben Goertzel**, *Novamente LLC*

THEMED SESSIONS

As in AGI-08, session themes will be determined based on the number of quality papers received on each AGI-related area. However, we have lined up the following researchers to chair sessions focusing on themes we consider very likely to receive a significant number of quality submissions.

- **Evaluation of AGI Systems**
Chair: **John Laird**, *University of Michigan*
- **Logic Based AI**
Chair: **Selmer Bringsjord**, *RPI*
- **Automated Program Learning**
Chair: **Moshe Looks**, *Google Research*
- **AI in Virtual Worlds and Games**
Chair: **Sibley Verbeck**, *Electric Sheep Company*
- **AGI and Neuroscience**
Chair: **Randal Koene**, *Boston University*
- **Artificial Brains**
Chair: **Hugo de Garis**, *Xiamen University*

PRE-CONFERENCE TUTORIAL

- **OpenCyc Commonsense AI Tutorial**
Stephen Reed, (*former Cyc researcher*) *Texai.org*
- **Modeling the Mind Using Logic**
Selmer Bringsjord, *Rensselaer Polytechnic Institute*
- **Automated Program Learning for AGI**
Moshe Looks, *Google Research*
- **The OpenCog Framework for Integrative AGI**
Ben Goertzel, *Novamente LLC*
- **SOAR Cognitive Architecture Tutorial**
John Laird, *University of Michigan*
- **A Reinforcement Learning Perspective on AGI**
Itamar Elhanany, *University of Tennessee*

ORGANIZING COMMITTEE

- **Ben Goertzel** (Conference Chair), *Novamente LLC*
- **Stan Franklin** (Honorary Chair), *University of Memphis*
- **Tsvi Achler**, *U. of Illinois Urbana-Champaign*
- **Sam S. Adams**, *IBM Research*
- **Wlodek Duch**, *Nicolaus Copernicus University, Poland*
- **Itamar Elhanany**, *University of Tennessee Knoxville*
- **Sandra S. Hall**, *AT&T Research*
- **Pascal Hitzler**, *University of Karlsruhe, Germany*
- **Marcus Hutter**, *Australian National University*
- **Bruce Klein**, *Novamente LLC*
- **Stephen Reed**, *Texai.org*

PROGRAM COMMITTEE

- **Ben Goertzel** (Conference Chair), *Novamente LLC*
- **Pascal Hitzler** (Co-chair), *Univ of Karlsruhe, Germany*
- **Marcus Hutter** (Co-chair), *Australian National University*
- **Eric Baum**, *Baum Research Enterprises*
- **Mark H. Bickhard**, *Lehigh University*
- **David Dowe**, *Monash University, Australia*
- **Hugo de Garis**, *Xiamen University*
- **Wlodek Duch**, *Nicolaus Copernicus University*
- **Itamar Elhanany**, *University of Tennessee, Knoxville*
- **Dov M. Gabbay**, *King's College London*
- **Marco Gori**, *University of Siena*
- **Cliff Joslyn**, *Pacific Northwest National Laboratory*
- **Bert Kappen**, *Radboud University, Nijmegen*
- **Kai-Uwe Kühnberger**, *University of Osnabrück*
- **Marco Wiering**, *University of Utrecht*
- **Phil Goetz**, *National Library of Medicine*
- **J. Storrs Hall**, *Institute for Molecular Manufacturing*
- **Randal Koene**, *Boston University*
- **Christian Lebiere**, *Carnegie Mellon University*
- **Soo-Young Lee**, *Korea Advanced Inst. of Sci. & Tech.*
- **Moshe Looks**, *Google Research*
- **Tim Oates**, *University of Maryland, Baltimore*
- **Jan Poland**, *ABB Research, Zurich*
- **Juergen Schmidhuber**, *IDSIA*
- **Lokendra Shastri**, *International Computer Science Institute Berkeley*
- **Ray Solomonoff**, *Oxbridge Research, Cambridge, MA*
- **Karin Verspoor**, *University of Colorado Denver*
- **Mary-Anne William**, *University of Technology, Sydney*



AGI-08.org: Alexei Samsonovich, Ronald Arkin, Sam S. Adams, Dave Friedlander, Kai-Uwe Kühnberger, John Pollock, John Laird