

Candidate for Chair

Yolanda Gil

University of Southern California, Information Sciences Institute, Marina del Rey, CA USA

BIOGRAPHY

Academic Background:

Ph.D., Carnegie Mellon University, 1992, Artificial Intelligence.

Professional Experience:

Associate Division Director for Research, Information Sciences Institute, University of Southern California, 2002 – Present;

Research Professor, Computer Science Department, University of Southern California, 2009 – Present;

Research Associate Professor, Computer Science Department, University of Southern California, 2002 – 2009.

Professional Interest:

Intelligent user interfaces; Knowledge-rich problem solving; Scientific workflows; Knowledge capture; Semantic Web.

ACM Activities:

Editorial Board, ACM Trans. on Intelligent Systems and Technology, ACM TIST, 2009 – 2010;

Faculty Advisor, AAI/SIGART Doctoral Consortium, 1997 – 1998;

Conference Chair, Int. Conf. on Knowledge Capture (K-CAP), ACM SIGART sponsored, 2009;

Program Chair, Int. Conf. on Intelligent User Interfaces (IUI), ACM SIGART and SIGCHI sponsored, 2002.

Membership and Offices in Related Organizations:

Conference Committee Chair, AAI, 2006 – 2009;

Executive Councilor (Elected by AAI members), AAI, 2003 – 2009;

W3C Provenance Incubator Group Chair, W3C, 2009 – 2010.

STATEMENT

I believe SIGART has exciting opportunities ahead. In the six years that I served as AAI councilor, I realized that while the organization runs the premier conference in the field, it does not have a strong presence among two key constituencies of AI: educators and practitioners. I believe that SIGART can complement AAI in those areas by having a stronger presence in many ACM education and professional activities.

For education in particular, SIGART should build further on ACM activities, its local chapters, and its members. AI presents fundamentally compelling problems that appeal to students and can be key to attracting more talent into computer science careers. AI also offers exciting career opportunities that should be better conveyed to computer science majors. As a first step, I helped establish and will co-chair the First Symposium on Educational Advances in Artificial Intelligence (EAAI-10), a venture sponsored by AAAI that has the support of ACM SIGART and SIGCSE. It will provide the first sustainable forum for AI educators to share teaching innovations and resources. As SIGART Chair, I will continue to support activities such as EAAI to create organized efforts in the AI community that can benefit education.

Candidate for Chair

Subbarao Kambhampati
Arizona State University, Tempe, AZ USA

BIOGRAPHY

Academic Background:

Ph.D., University of Maryland, 1989, Computer Science.

Professional Experience:

Professor, Arizona State University, Tempe, AZ, USA, 2000 – Present;
Associate Professor, Arizona State University, Tempe, AZ, USA, 1996 – 2000;
Assistant Professor, Arizona State University, Tempe, AZ, USA, 1991 – 1996.

Professional Interest:

Artificial Intelligence; Automated Planning and Scheduling; Information Integration.

Membership and Offices in Related Organizations:

Executive Council Member, AAAI (2009-2012); ICAPS (2002-2007);
Program Co-Chair, AAAI (2005) & ICAPS (2000), AAAI & ICAPS, 2000 – 2005;
Associate Editor, JAIR 2002 - 2007; IEEE Intelligent Systems, Current.

Awards Received:

ACM: Samuel N. Alexander ACM Fellowship, 1988.

Other: Fellow, Association for Advancement of AI (AAAI), 2004; Teaching Excellence Award, ASU College of Engineering, 2002; IBM Faculty Award (Also Google Research Award in 2008), 2004; NSF Young Investigator Award, 1994.

STATEMENT

Half-a-century after its birth, the impact of AI is ubiquitous--AI technologies are embedded across computing. But the field's presence and energy are beginning to become diffuse across multiple loosely communicating sub-areas. For both intellectual and social reasons, AI needs to channel and exploit the synergies among its sub-areas. As an umbrella organization with significant membership, SIGART is well-positioned to renew such a sense of shared purpose across the AI community. I believe SIGART must and could raise to this challenge; and I am seeking the office of SIGART Chair to act on this belief.

If elected, I am eager to work towards broadening and strengthening the role played by SIGART. My plans include (1) improving communication across practitioners of AI, both by exploring the resuscitation and revitalization of SIGART bulletin in electronic form, and by

cooperating more actively with flagship publications such as CACM (2) increasing the visibility of AI and SIGART within and outside ACM by effectively communicating with sister organizations such as SIGIR, SIGKDD, SIGMOD, AAI, ECAI and (3) serving the SIGART membership by augmenting the continuing sponsorship of relevant conferences with SIGART sponsored awards and recognition for the distinguished practitioners.

Candidate for Vice Chair

Kevin Daimi

University of Detroit Mercy, Dept. of Math & Computer Science, Detroit, MI, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Cranfield, 1983, Computational Optimal Control.

Professional Experience:

Professor and Director, University of Detroit Mercy, Dept. of Math & Computer Science, Detroit, MI, USA, 2008 – Present;

Chair, University of Detroit Mercy, Dept. of Math & Computer Science, Detroit, MI, USA, 2002 – 2007;

Associate Professor, University of Detroit Mercy, Dept. of Math & Computer Science, Detroit, MI, USA, 1998 – 2002.

Professional Interest:

Artificial Intelligence; Data Mining; Software Engineering; Computer Security; Bioinformatics.

ACM Activities:

Faculty Advisor, ACM Student Chapter at UDM, 1988 – 2009.

Membership and Offices in Related Organizations:

Senior Member, The Institute of Electrical and Electronic Engineers (IEEE), 2009;

Fellow, The British Computer Society (BCS), 1988 – 2009;

Member, The International Association for Cryptologic Research (IACR), 2005 – 2009.

Awards Received:

Achievement Award, WORLFCOMP'09, 2009; Achievement Award, WORLFCOMP'08, 2008; Achievement Award, WORLFCOMP'07, 2007.

STATEMENT

I have been teaching Artificial Intelligence classes since 1985. I have also advised a number of graduate students on their theses/dissertations. My research interests within the field of Artificial Intelligence include Natural Language Understanding, Expert Systems, Intelligent Tutoring systems, and Machine Learning. I believe I can fully invest the experience gained through my membership in various organizations, international program committees, steering committees with industry, and my long computing leadership to efficiently serve SIGART once elected.

Candidate for Vice Chair

Qiang Yang

Hong Kong University of Science and Technology, Clearwater Bay, Kowloon,
Hong Kong, China

BIOGRAPHY

Academic Background:

Ph.D., University of Maryland, 1989, Artificial Intelligence Planning.

Professional Experience:

Associate/Full Professor, Hong Kong University of Science and Technology,
Hong Kong, 2001 – Present;

Associate/Full Professor, Simon Fraser University, Canada, 1995 – 2001;

Assistant/Associate Professor, University of Waterloo, Canada, 1989 – 1995.

Professional Interest:

AI Planning and Activity Recognition; Machine Learning and Data Mining; Case Based Reasoning; Web and Wireless Applications of AI.

ACM Activities:

Founding Editor in Chief of ACM TIST (ACM Transactions on Intelligent Systems and Technology), ACM Transactions on Intelligent Systems and Technology, 2009 - 2012;

Publicity Chair, ACM Hong Kong Chapter, 2008 – 2011;

Program Committee Co-chair (2010 SIGKDD Knowledge Discovery and Data Mining Conference), ACM SIGKDD 2010, 2009 – 2010;

Conference Co-chair (2010 ACM Intelligent User Interface Conference), ACM IUI 2010, 2009 – 2010.

Membership and Offices in Related Organizations:

Fellow, IEEE, 2009 – Present;

Advisor Committee Member, IJCAI 2011, 2010 – 2011;

Associate Editor, IEEE Intelligent Systems, 2005 - Present

Awards Received:

ACM: ACM SIGKDD KDDCUP Competition: Champion, 2004; ACM SIGKDD KDDCUP Competition: Champion, 2005.

Other: ICAPS Knowledge Engineering Competition Champion, 2005; Canadian AI Conference Best Paper Award, 1994; IEEE Fellow, 2009.

STATEMENT

If elected as the SIGART Vice Chair, I will assist the chair in expanding upon the existing success of SIGART and push for a stronger presence in international countries including Asia, South America and Eastern Europe. First, SIGART should dramatically expand its membership among students and professionals in China, India, Korea, Japan and Eastern Europe, as well as get more financial sponsorship from the international powerhouses and IT companies, which will help increase support for students in SIGART co-sponsored events. Second, I will work with the chair in promoting AI applications and cross-disciplinary research. In 2009 I helped launch a new ACM journal called ACM TIST (<http://tist.acm.org>), whose mandate is to promote publications in AI systems and applications. I would like to make ACM TIST a flagship for ACM SIGART and promote publications in AI system and applications. Finally, I will work with the chair in strengthening the relationship between SIGART to other areas in science and society, including computational sustainability, eHealth, and bioinformatics. I am confident that SIGART can play a more significant role in AI, as well as science and engineering.

Candidate for Secretary/Treasurer

Gautam Biswas
Vanderbilt University, Nashville, TN USA

BIOGRAPHY

Academic Background:

Ph.D., Michigan State University, 1983, Computer Science.

Professional Experience:

Professor of Computer Science and Computer Engineering, Vanderbilt University, Nashville, TN, 1988 – Present;

Senior Research Scientist, Institute for Software Integrated Systems, Vanderbilt University, Nashville, TN, 1998 – Present;

Visiting Associate Professor of Computer Science, Stanford University, Stanford, CA, 1998 – 1999.

Professional Interest:

Intelligent Learning Environments; Multi-agent systems and game environments for learning; Model-based diagnosis; Planning and scheduling for complex distributed systems; Modeling and simulation.

ACM Activities:

Secretary/Treasurer, SIGART, 2009 – 2010.

Membership and Offices in Related Organizations:

Executive Committee, Asia Pacific Society for Computers in Education (APSCE), 2010.

STATEMENT

The need for AI methodologies in complex systems that include avionics, automobile, energy, and medical systems continues to grow. There are unlimited opportunities in the design of complex systems, monitoring, diagnosis, and fault-adaptive control of embedded systems, and planning, scheduling, and resource management in distributed, real-time environments. Another area of importance is developing compelling computer-based educational systems for K-12 STEM applications. The potential is great, and I sincerely believe that AI can deliver. This is my second time around, and I hope my familiarity with the SIGART organization will provide me with better opportunities to work with the rest of the SIGART team in highlighting such opportunities, providing forums (workshops and maybe even conferences) for discussing research and applications in these areas. It is also important to provide forums at major conferences to help graduate students and early researchers to discuss their research, gain a better understanding of the state of the art,

and receive mentorship from experienced researchers in academia and industry. In general, I would very much like to work with the SIGART committee and the community at large in promoting the importance and usefulness of AI methodologies through compelling real-world applications.

Candidate for Secretary/Treasurer

Christopher H. Brooks
University of San Francisco, San Francisco, CA USA

BIOGRAPHY

Academic Background:

Ph.D., University of Michigan, 2002, Computer Science.

Professional Experience:

Department Chair, Computer Science, University of San Francisco, San Francisco, CA, 2009 – Present;

Associate Professor, University of San Francisco, San Francisco, CA, 2008 – Present;

Visiting Researcher, Lawrence Berkeley National Laboratory, Berkeley, CA, 2008 – 2009;

Professional Interest:

Machine Learning; Multiagent systems; Data mining; Distributed Systems.

ACM Activities:

SIGART/AAAI Doctoral Consortium chair/co-chair, 2008 – 2009.

Membership and Offices in Related Organizations:

Member, AAI, 2000 – 2009.

STATEMENT

I am very interested in working to advance the cause of SIGART and the stability of our field, particularly regarding education at the graduate and undergraduate levels. I have been involved with the AAI/SIGART Doctoral Consortium for several years, and am currently chair for the 2010 incarnation. I have also been involved with several grants (including a current CCLI grant) to improve pedagogical tools for teaching AI to CS students.