

Candidate for Executive Committee

Alex K. Jones
University of Pittsburgh, Pittsburgh, PA, USA

BIOGRAPHY

Academic Background:

Doctor of Philosophy, Northwestern University, 2002, Electrical and Computer Engineering.

Professional Experience:

Assistant Professor of Electrical and Computer Engineering, Computer Science, University of Pittsburgh, Pittsburgh, PA, 2003 – 2009;

Instructor and Research Associate, Northwestern University, Evanston, IL, 2002 – 2003;
Walter P. Murphy Fellow and Research Assistant, Northwestern University, Evanston, IL, 1998 – 2002.

Professional Interest:

System level design; Compilation and emulation for many-core parallel systems; Low-power and low energy computing and synthesis; Reconfigurable computing architectures and tools; Wireless sensor networks and radio frequency identification.

ACM Activities:

Executive Committee - Treasurer, UBooth, SIGDA, 2008 – 2009;
Advisory Board - University Booth, SIGDA, 2007 – 2008;
Coordinator and Program Director, University Booth, SIGDA, 2005 – 2009;
Organizing Committee, Ph.D. Forum, SIGDA, 2007 – 2009.

Membership and Offices in Related Organizations:

Steering Committee, Workshop on Large Scale Parallel Processing, IEEE, 2005 – 2009;
Program Committee/Chair, Microelectronic Systems Education Conf., IEEE, 2005 – 2009;
Program Committee, Reconfigurable Architecture Workshop, IEEE, 2008 – 2009.

Awards Received:

Senior Membership IEEE, 2008; University of Pittsburgh Innovator Award, 2007; Walter P. Murphy Fellowship, Northwestern University, 2000; Walter P. Murphy Fellowship, Northwestern University, 1998.

STATEMENT

Based on my experience serving on the advisory board and executive committee of SIGDA and organizing sponsored activities such as the DAC University Booth and Ph.D. Forum, I hope to serve and provide leadership for SIGDA and the EDA community. For example, I

turned a \$15k budget cut for the UBooth program into a positive by arranging a facelift and increased visibility for the program's 20th year through additional industry and volunteer support. Similarly, I will lead efforts to:

- Increase the influence of SIGDA with DAC, our flagship conference, by developing innovative and collaborative solutions to serious challenges such as reduced attendance and economic contraction, while providing new forums for emerging technologies and providing direction for important new markets for SIGDA and DAC.
- Improve visibility and impact of SIGDA by creating new programs encouraging development of emerging technologies in CAD, increased SIGDA presence in "Communications," recognition through proactive nomination of ACM fellows and new SIGDA awards of distinguished leaders in EDA, and serving the community by disseminating their materials and talks developed for SIGDA events.

Finally, I look forward to working with our leadership and membership to improve the overall number, diversity, and activity of the membership in SIGDA.