Candidate for Vice-Chair

Scott A. Mahlke
University of Michigan, Ann Arbor, MI, USA

BIOGRAPHY

Academic Background:
Ph.D., University of Illinois at Urbana-Champaign, 1997, Electrical Engineering.

Professional Experience:
Professor, University of Michigan, Ann Arbor, MI, 2001 – Present;

Professional Interest:
Computer architecture; Compilers; Energy efficient design; Throughput processors;
Reliable systems.

ACM Activities:
SIGARCH Executive Committee, SIGARCH, 2011 – Present;
Associate Editor, ACM Transactions on Architecture and Code Optimization, 2004 – Present;
Steering Committee Member, International Symposium on Microarchitecture, 2002 – Present;

Membership and Offices in Related Organizations:
W. Wallace McDowell Award Committee Chair, IEEE, 2013 – Present;
Harry Goode Memorial Award Committee Chair, IEEE, 2013 – Present;
Steering Committee Member, International Symposium on Code Generation and Optimization, 2012 – Present.

Awards Received:
IEEE Fellow, 2015; Monroe-Brown Foundation Education Excellence Award, 2014;
Ted Kennedy Family Team Excellence Award, 2009;
ACM SIGARCH/IEEE-CS TCCA Most Influential Paper Award, 2006.

STATEMENT

SIGARCH is a healthy, vibrant, and exciting organization that I am proud to be a member. As Vice-Chair, I first and foremost will ensure that we continue as the flagship organization for computer architecture research and sponsor the premier conferences in the field. Second, I will focus on an area that often gets ignored: student attendance at our
conferences. Travel and registration expenses keep growing, while monies allocated to student travel keep diminishing. The net effect is that fewer students can attend, particularly those from the smaller institutions that do not have faculty with large travel budgets at their disposal. I will work with the general chairs of our top conferences (ISCA, ASPLOS, etc.) to see that students are prioritized, including substantially increasing the money raised for student travel, reducing registration costs for students (importantly, while not excluding them from conference activities), and providing full travel support to early-career students who otherwise could not attend. I will be honored to serve as SIGARCH Vice-Chair and bring my 20+ years of experience as a student, industry researcher, and faculty member to the position.