

Candidate for Chair

Vivek Sarkar
Rice University, Houston, Texas, USA

BIOGRAPHY

Academic Background:

Ph.D., Stanford University, 1987, Computer Systems.

Professional Experience:

E.D. Butcher Professor of Computer Science, Rice University, Houston, TX, USA,
2007 – Present;

Senior Manager, Programming Technologies Department, IBM T.J. Watson Research
Center, Hawthorne, NY, USA, 2000 – 2007;

Manager, Dynamic Compilation Group, IBM T.J. Watson Research Center, Hawthorne, NY,
USA, 1998 – 2000.

Professional Interest:

Parallel Languages and Compilers; Multicore Runtime Systems; Dynamic Compilation;
Locality Optimizations; Automatic Parallelization.

ACM Activities:

PPoPP 2009 Program Chair, SIGPLAN, 2008 – 2009;

PLDI 2005 General Chair & PLDI Steering Committee Member, SIGPLAN, 2004 – 2007;

PLAN-X 2002 Founding General Chair, SIGPLAN, 2001 – 2002;

PLDI 1994 Program Chair, SIGPLAN, 1993 – 1994.

Membership and Offices in Related Organizations:

Vice Chair, Prog. Models, Langs. & Compilers track, ICPP 2009, International Association
for Computers & Communications (IACC), 2009;

Guest Co-Editor, special issue on Open Source Software, IBM Systems Journal, Vol. 44,
No. 2, June 2005, 2004 – 2005;

Program Co-Chair, PACT 2003, IEEE, IFIP WG 10.3, ACM SIGARCH, 2003.

Awards Received:

ACM: ACM Fellow, 2008; ACM Distinguished Scientist, 2006; First Place, ACM
International Collegiate Programming Contest, 1985.

Other: IBM Outstanding Technical Achievement Award for PERCS, 2008;

IBM Outstanding Technical Achievement Award for Jikes RVM, 2005; IBM Outstanding
Innovation Award for ASTI optimizer, 1997; IBM Academy of Technology Member, 1995.

STATEMENT

There are many aspects of the SIGPLAN community that appeal to me --- an appreciation for theory, a passion for practicality, and a high standard of excellence in our conferences and journals. SIGPLAN events are forums where researchers and engineers from academia and industry interact on an equal footing. I've had the opportunity to participate in many SIGPLAN events and to serve SIGPLAN in various capacities including: PC member for PLDI, POPL, and PPOPP conferences; PLDI 1994 Program Chair; PLAN-X 2002 Founding General Chair; PLDI 2005 General Chair; and PPOPP 2009 Program Chair.

If elected Chair, I will work with the Executive Committee and my SIGPLAN colleagues to maintain SIGPLAN's current strengths, while also striving to increase our enrollment by reaching new audiences. We are in an era of web-based software and multicore hardware that plays to SIGPLAN's strengths. To that end, I will seek to co-organize SIGPLAN events with software and hardware Systems conferences, with shared sessions as in this year's PPOPP and HPCA conferences. I will also champion new initiatives, such as making conference presentation recordings available in the DL in a timely manner, to help us reach a larger worldwide audience.