

Candidate for Chair

Wayne Wolf
Georgia Institute of Technology, Atlanta GA, USA

BIOGRAPHY

Academic Background:

Ph.D., Stanford University, 1984, Electrical Engineering.

Professional Experience:

Professor, Farmer Distinguished Chair, GRA Eminent Scholar, Georgia Institute of Technology, Atlanta GA, 2007 – 2008;

Professor, Princeton University, Princeton NJ, 1999 – 2007;

Member of Technical Staff, AT&T Bell Laboratories, Murray Hill, NJ, 1984 – 1989.

Professional Interest:

Embedded computing systems; Cyber-physical systems; Multimedia; VLSI.

ACM Activities:

Board member, SIGBED, 2003 – 2005.

Membership and Offices in Related Organizations:

Vice President for Finance, IEEE Council on EDA, 2006 – 2007;

Board of Governors, IEEE Circuits and Systems Society, 1998 – 2000;

Chair, IEEE CANDE, 1998 – 1999.

Awards Received:

ACM:Fellow, 2001;

Other: IEEE Fellow, 1998; IEEE Computer Society Golden Core, 2002;

ASEE Frederick E. Terman Award, 2003; IEEE Circuits and Systems Society Education Award, 2006.

STATEMENT

Embedded computing is a relatively young field that is still defining itself. SIGBED can help to build the culture of embedded computing. SIGBED can also help to explain this field to the rest of the discipline and to non-computer scientists.

SIGBED was an important contributor to the creation of the major conferences in this field: Embedded Systems Week and Cyber-Physical Systems Week. SIGBED can continue to support these conferences and to build and support other meetings.

Cyber-physical systems is a relatively new research area that promises to extend our knowledge of how to connect computers to the physical world. SIGBED can play a leading role in the development of this field.

Student development is one important aspect of development of the field. Professional education is equally important to help bring practitioners up to speed with the rapid evolution of this field.

ACM is an international organization and SIGBED should continue to foster an international presence.

SIGBED should work with the appropriate IEEE entities (Computer Society, Real-Time Systems Committee, CEDA, etc.) to build the field.