

Candidate for Executive Committee

Patrick H. Madden
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BIOGRAPHY

Academic Background:

Ph.D., UCLA, 1998, Computer Science.

Professional Experience:

Associate Professor, Binghamton University Computer Science Dept., Binghamton, NY, 2004 – 2009;

Assistant Professor, Binghamton University Computer Science Dept., Binghamton, NY, 1998 – 2004.

Professional Interest:

Physical Design; Combinatorial Optimization; Computational Biology.

ACM Activities:

Vice-Chair, SIGDA, 2006 – 2009;

Executive Committee, SIGDA, 2002 – 2006;

Advisory Board, SIGDA, 1998 – 2002.

STATEMENT

I have been honored to serve the design automation community through SIGDA for the past ten years, and have been an active member of ACM for more than twenty years. During this time, SIGDA has pushed hard to make conferences and journals easily available, new workshops and symposia have been started, and there has been a focus on preparing new researchers to enter the field. While this has been rewarding, there is more to be done.

The challenges now faced are unprecedented; power limitations have fundamentally altered what can be implemented efficiently. Both software and hardware design must change, and SIGDA must change too. My belief is that there are both pitfalls and opportunities ahead. Through innovation, determination, and careful consideration of the past, we can continue bringing about technological advances while expanding the design automation field.