

## Candidate for Executive Committee

Igor Markov  
University of Michigan, Ann Arbor, MI, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., UCLA, 2001, Computer Science.

#### Professional Experience:

Associate Professor, Assistant Professor, University of Michigan, Ann Arbor, MI, 2000 – 2008;

Visiting Professor, National Taiwan University, Taipei, Taiwan, 2007;

Principal Engineer, Synplicity and Synopsys, Sunnyvale, CA, 2007.

#### Professional Interest:

Physical Design of Integrated Circuits; Logic and High-level Synthesis of Integrated Circuits; Algorithms for Verification; Emerging Technologies for Computing and Communication.

#### ACM Activities:

Member of Advisory and Executive Boards, SIGDA, 2006 – 2008;

Member of Editorial Board of ACM TODAES, SIGDA, 2007 – 2008;

Editor of ACM SIGDA newsletter, SIGDA, 2005 – 2007;

Member of Editorial Board of Communications of ACM, ACM, 2008 – 2008.

#### Membership and Offices in Related Organizations:

Senior Member, ACM, 2007 – 2008; Senior Member, IEEE, 2006 – 2008.

#### Awards Received:

ACM: ACM SIGDA Outstanding New Faculty Award, 2004; ACM Recognition of Service Award, 2005; Best paper award at ACM/IEEE Design Automation and Test in Europe Conference, 2005; ACM SIGDA Technical Leadership Award, 2006.

Other: IEEE CaS Donald O. Pederson Award for best paper in Trans. on CA, 2003; Univ. of Michigan, EECS Dept. Outstanding Achievement, 2008; Microsoft A. Richard Newton Breakthrough Research Award, 2008; Best paper award at ACM Int'l Symposium on Physical Design, 2008.

## **STATEMENT**

Design Automation, as a field of knowledge, research, and industrial practice, includes a number of important disciplines, some nascent and some more established. While diverse, the DA community relies on professional meetings to keep its members up-to-date on technological progress and new initiatives. Most of these meetings, including the Design Automation Conference and a number of specialized venues, benefited from the organizational help offered by SIGDA and its members. SIGDA is also responsible for several publications (newsletter, TODAES) and pioneered a number of educational activities, including the Design Automation Summer School, the University Booth and Ph.D. Forum at DAC, as well as CADathlon at ICCAD. Several important awards are administered by SIGDA. New initiatives, such as Technical Committees, promise to organize and nourish research and professional activities in specific areas.

Through my service on the Advisory and Executive Boards, I have been involved with many of SIGDA activities and helped initiate some of them. I am also one of two SIGDA representatives at the Editorial Board of Communications of the ACM. If elected, I will continue contributing my time and energy to SIGDA, and ensure continuity at this difficult time of shrinking budgets and industry involvement.