46th DAC Best Paper Candidates

Seven papers were nominated by the Technical Program Committee as DAC Best Paper Candidates. Final decisions will be made after the papers are presented at the conference. The awards for the best paper will be presented at 12:00pm on Thursday, July 30, in Gateway Ballroom, prior to the Special Plenary Panel.

10.3   Generating Test Programs to Cover Pipeline Interactions

Thanh Nga Dang – *National Univ. of Singapore, Singapore*
Abhik Roychoudhury – *National Univ. of Singapore, Singapore*
Tulika Mitra – *National Univ. of Singapore, Singapore*
Prabhat Mishra – *Univ. of Florida, Gainesville, FL*

12.1   GPU Friendly Fast Poisson Solver for Structured Power Grid Network Analysis

Jin Shi – *Tsinghua Univ., Beijing, China*
Yici Cai – *Tsinghua Univ., Beijing, China*
Wenting Hou – *Synopsys, Inc., Beijing, China*
Liwei Ma – *Synopsys, Inc., Beijing, China*
Sheldon X.-D. Tan – *Univ. of California, Riverside, CA*
Pei-Hsin Ho – *Synopsys, Inc., Hillsboro, OR*
Xiaoyi Wang – *Tsinghua Univ., Beijing, China*

15.1   An Efficient Approach for System-Level Timing Simulation of Compiler-Optimized Embedded Software

Zhonglei Wang – *Technische Univ. München, Munich, Germany*
Andreas Herkersdorf – *Technische Univ. München, Munich, Germany*

18.2   A Computing Origami: Folding Streams in FPGAs

Andrei Hagiescu – *National Univ. of Singapore, Singapore*
Weng-Fai Wong – *National Univ. of Singapore, Singapore*
David Bacon – *IBM Corp., Hawthorne, NY*
Rodric Rabbah – *IBM Corp., Hawthorne, NY*

22.1   Statistical Multi-Layer Process Space Coverage for At-Speed Test

Jinjun Xiong – *IBM Corp., Yorktown Hts., NY*
Yiyu Shi – *Univ. of California, Los Angeles, CA*
Vladimir Zolotov – *IBM Corp., Yorktown Hts., NY*
Chandu Visweswariah – *IBM Corp., Yorktown Hts., NY*

23.2   A Robust and Efficient Harmonic Balance (HB) Using Direct Solution of HB Jacobian

Amit Mehrotra – *Berkeley Design Automation, Santa Clara, CA*
Abhishek Somani – *Berkeley Design Automation, Bangalore, India*

24.3   New Spare Cell Design for IR Drop Minimization in Engineering Change Order

Hsien-Te Chen – *National Tsing-Hua Univ., Hsinchu, Taiwan*
Chieh-Chun Chang – *National Tsing-Hua Univ., Hsinchu, Taiwan*
TingTing Hwang – *National Tsing-Hua Univ., Hsinchu, Taiwan*

DAC 2009 Best Paper Award

A Robust and Efficient Harmonic Balance (HB) Using Direct Solution of HB Jacobian

Amit Mehrotra - *Berkeley Design Automation, Santa Clara, CA*
Abhishek Somani - *Berkeley Design Automation, Bangalore, India*

DAC Best User Track Poster Award

Attacking Constraint Complexity in Large Scale Random Verification Environment

Ben Chen, Srinath Atluri, Harish Krishnamoorthy - *Cisco Systems, Inc., San Jose, CA*
Alex Wakefield, Balamurugan Veluchamy - *Synopsys Inc., Mountain View, CA*

DAC Best User Track Poster Award Honorable Mention

Timing Closure in 65-Nanometer ASICs using Statistical Static Timing Analysis Design Methodology

Llewellyn Marshall, Eric Foreman - *IBM Corp., Essex Jct, VT*

Visualizing Debugging using Transaction Explorer in SOC System Verification

Alicia Strang, Robert Carden IV - *Marvell Semiconductor Inc., Aliso Viejo, CA*