

IEEE/ACM William J. McCalla ICCAD Best Paper Award Candidates

MONDAY, NOVEMBER 5

1A.2* **Analytical Solution of Poisson's Equation and Its Application to VLSI Global Placement**

Wenxing Zhu - *Fuzhou Univ.*
Zhipeng Huang - *Fuzhou Univ.*
Jianli Chen - *Fuzhou Univ.*
Yao-Wen Chang - *National Taiwan Univ.*

TUESDAY, NOVEMBER 6

5C.1* **DNNBuilder: an Automated Tool for Building High-Performance DNN Hardware Accelerators for FPGAs**

Xiaofan Zhang - *Univ. of Illinois at Urbana-Champaign*
Junsong Wang, - *IBM Research - China*
Chao Zhu, - *IBM Research - China*
Yonghua Lin, - *IBM Research - China*
Jinjun Xiong - *IBM T.J. Watson Research Center*
Wen-Mei Hwu - *Univ. of Illinois at Urbana-Champaign*
Deming Chen - *Univ. of Illinois at Urbana-Champaign*

WEDNESDAY, NOVEMBER 7

8A.2* **Parallelizable Bayesian Optimization for Analog and Mixed-Signal Rare Failure Detection with High Coverage**

Hanbin Hu - *Texas A&M Univ.*
Peng Li - *Texas A&M Univ.*
Jianhua Z. Huang - *Texas A&M Univ.*

9A.2* **GPU Acceleration of RSA is Vulnerable to Side-channel Timing Attacks**

Chao Luo - *Northeastern Univ.*
Yunsi Fei - *Northeastern Univ.*
David Kaeli - *Northeastern Univ.*

9B.1* **SODA: Stencil with Optimized Dataflow Architecture**

Yuze Chi - *Univ. of California, Los Angeles*
Jason Cong - *Univ. of California, Los Angeles*
Peng Wei - *Univ. of California, Los Angeles*
Peipei Zhou - *Univ. of California, Los Angeles*

10B.1* **PolyCleaner: Clean your Polynomials before Backward Rewriting to Verify Million-gate Multipliers**

Alireza Mahzoon - *Universität Bremen*
Daniel Große - *Universität Bremen / DFKI*
Rolf Drechsler - *Universität Bremen / DFKI*