

# BEST PAPER CANDIDATES

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

### MONDAY, NOVEMBER 4

#### 1B.1\* **Power Grid Fixing for Electromigration-Induced Voltage Failures**

Zahi Moudallal - *Univ. of Toronto*

Valeriy Sukharev - *Mentor, A Siemens Business*

Farid N. Najm - *Univ. of Toronto*

### TUESDAY, NOVEMBER 5

#### 4A.1\* **How to Efficiently Handle Complex Values? Implementing Decision Diagrams for Quantum Computing**

Stefan Hillmich - *Johannes Kepler Univ. Linz*

Alwin Zulehner - *Johannes Kepler Univ. Linz*

Robert Wille - *Johannes Kepler Univ. Linz*

#### 4B.1\* **Analyzing and Modeling In-Storage Computing Workloads On EISC – An FPGA-Based System-Level Emulation Platform**

Zhenyuan Ruan - *Univ. of California, Los Angeles*

Tong He - *Univ. of California, Los Angeles*

Jason Cong - *Univ. of California, Los Angeles*

#### 6B.4\* **GenUnlock: An Automated Genetic Algorithm Framework for Unlocking Logic Encryption**

Huili Chen - *Univ. of California, San Diego*

Cheng Fu - *Univ. of California, San Diego*

Jishen Zhao - *Univ. of California, San Diego*

Farinaz Koushanfar - *Univ. of California, San Diego*

### WEDNESDAY, NOVEMBER 6

#### 9A.3\* **Security and Complexity Analysis of LUT-based Obfuscation: From Blueprint to Reality**

Gaurav Kolhe - *Univ. of California, Davis*

Hadi Mardani Kamali - *George Mason Univ.*

Miklesh Naicker - *San Francisco State Univ.*

Tyler David Sheaves - *San Francisco State Univ.*

Hamid Mahmoodi - *San Francisco State Univ.*

Sai Manoj Pudukotai Dinakarrao - *George Mason Univ.*

Houman Homayoun - *Univ. of California, Davis*

Setareh Rafatirad - *George Mason Univ.*

Avesta Sasan - *George Mason Univ.*

#### 10B.3\* **NanoTherm: An Analytical Fourier-Boltzmann Framework for Full Chip Thermal Simulations**

Smruti R. Sarangi - *Indian Institute of Technology Delhi*

Shashank Varshney - *Indian Institute of Technology Delhi*

Hameedah Sultan - *Indian Institute of Technology Delhi*

Palkesh Jain - *Qualcomm Technologies, Inc.*