

## Awards

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

#### Front-end:

#### Session 5D: Attack Directories on ARM big.LITTLE Processors

*Zili Kou (Hong Kong University of Science and Technology)*

*Sharad Sinha (Indian Institute of Technology Goa)*

*Wenjian He (Hong Kong University of Science and Technology)*

*Wei Zhang (Hong Kong University of Science and Technology)*

#### Back-end:

#### Session 1D: SpecPart: A Supervised Spectral Framework for Hypergraph Partitioning Solution Improvement

*Ismail Bustany (AMD)*

*Andrew Kahng (UCSD)*

*Ioannis Koutis (New Jersey Institute of Technology)*

*Bodhisatta Pramanik (Iowa State University)*

*Zhiang Wang (University of California San Diego)*

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

#### Front-end:

#### Session 8D: Logic Synthesis for Digital In-Memory Computing

*Muhammad Rashedul Haq Rashed (University of Central Florida)*

*Sumit Kumar Jha (University of Texas at San Antonio)*

*Rickard Ewetz (University of Central Florida)*

#### Session 7D: ObfuNAS: A Neural Architecture Search-based DNN Obfuscation Approach

*Tong Zhou (Northeastern University)*

*Shaolei Ren (UC Riverside)*

*Xiaolin Xu (Northeastern University)*

#### Back-end:

#### Session 11B: DeePEB: A Neural Partial Differential Equation Solver for Post Exposure Baking Simulation in Lithography

*Qipan Wang (Peking University)*

*Xiaohan Gao (Peking University)*

*Yibo Lin (Peking University)*

*Runsheng Wang (Peking University)*

*Ru Huang (Peking University)*

#### Session 7A: TransSizer: A Novel Transformer-Based Fast Gate Sizer

*Siddhartha Nath (NVIDIA Corp)*

*Geraldo Pradipta (NVIDIA Corp)*

*Corey Hu (NVIDIA Corp)*

*Tian Yang (NVIDIA Corp)*

*Brucek Khailany (NVIDIA)*

*Haoxing Ren (NVIDIA Corporation)*

## Awards

### **William J. McCalla ICCAD Ten Year Retrospective Most Influential Paper Award**

#### **On reconfiguration-oriented approximate adder design and its application**

*Rong Ye (The Chinese University of Hong Kong)*

*Ting Wang (The Chinese University of Hong Kong)*

*Feng Yuan (The Chinese University of Hong Kong)*

*Rakesh Kumar (University of Illinois at Urbana-Champaign)*

*Qiang Xu (The Chinese University of Hong Kong)*

In 2013 IEEE/ACM International Conference on Computer-Aided Design (ICCAD), pp. 48-54. IEEE, 2013.

*The award is given to the paper judged to be the most influential on research and industry practice in computer-aided design of integrated circuits over the ten years since its original appearance at ICCAD. The awards are jointly sponsored by IEEE Council on Electronic Design Automation (IEEE CEDA) and the ACM Special Interest Group on Design Automation (ACM SIGDA).*

### **2022 IEEE CEDA Ernest S. Kuh Early Career Award**

*Bei Yu (The Chinese University of Hong Kong)*

*For contributions to machine learning in physical design and Design for Manufacturability*

### **2022 IEEE CEDA Outstanding Service Recognition**

*Rolf Drechsler (University of Bremen)*

*For outstanding service to the EDA community as ICCAD General Chair in 2021*