

## **FINAL PROGRAM**

**SLIP 2018 Technical Program**  
**June 23, 2018 Saturday**  
**Co-Located with DAC in San Francisco**  
[www.sliponline.org](http://www.sliponline.org)

### **Opening Remarks (9:00am-9:10am)**

Chengmo Yang, University of Delaware, Technical Program Co-Chair

### **Keynote Talk (9:10am-10:10am)**

“Big Data Analytics: Practices and Applications”  
Xin Li  
Duke University

### **Break (10:10am-10:20am)**

### **Session I (10:20am-11:50am)**

Session Chair: Bei Yu, The Chinese University of Hong Kong

10:20am-10:50am

“Resource and Data Optimization for Hardware Implementation of Deep Neural Networks Targeting FPGA-based Edge Devices”  
Xinheng Liu, Dae Hee Kim, Chang Wu and Deming Chen  
University of Illinois

10:50am-11:20am

“A Study of Optimal Cost-Skew Tradeoff and Remaining Suboptimality in Interconnect Tree Constructions”  
Kwangsoo Han, Andrew B. Kahng and Christopher Moyes  
University of California San Diego

11:20am-11:50am

“A Design Framework for Processing-In-Memory Accelerator”  
Di Gao and Cheng Zhuo  
Zhejiang University

### **Lunch (11:50am-1:30pm)**

### **Session II: (1:30pm-3:00pm)**

Session Chair: Yanzhi Wang, Northeastern University

1:30pm-2:00pm

“Fast and Precise Routability Analysis with Conditional Design Rules”  
Ilgweon Kang, Dongwon Park, Changho Han and Chung-Kuan Cheng  
University of California San Diego

2:00pm-2:30pm

“Adaptive Sensitivity Analysis with Nonlinear Power Load Modeling”

Po-Ya Hsu, Chun-Han Yao and Chung-Kuan Cheng

University of California San Diego

2:30pm-3:00pm

“Exploiting PDN Noise to Thwart Correlation Power Analysis Attacks in 3D ICs”

Jaya Dofe and Qiaoyan Yu

University of New Hampshire

**Break (3:00pm-3:10pm)**

**Panel: Emerging Trends in On-chip Power Delivery and Management (3:10pm-4:10pm)**

Panel Chair: Selcuk Kose, University of South Florida

Panelists:

Inna Partin-Vaisband, University of Illinois at Chicago

Pingqiang Zhou, Shanghai Tech Rahul Limaye, Intel

Corporation Arijit Raychowdhury, Georgia Tech

**Closing Remarks(4:10pm-4:15pm)**

Chengmo Yang, University of Delaware, Technical Program Co-Chair