

## 2014 Lewis Winner Award for Outstanding Paper

*“A Multi-Granularity FPGA with Hierarchical Interconnects for Efficient and Flexible Mobile Computing”*

Cheng C. Wang<sup>1</sup>, Fang-Li Yuan<sup>1</sup>, Tsung-Han Yu<sup>2</sup>, Dejan Markovic<sup>1</sup>

<sup>1</sup>University of California, Los Angeles, CA

<sup>2</sup>Qualcomm, Irvine, CA

## 2014 Distinguished-Technical-Paper Award

*“A 1.5mW 68dB SNDR 80MS/s 2× Interleaved SAR-Assisted Pipelined ADC in 28nm CMOS”*

Frank van der Goes<sup>1</sup>, Chris Ward<sup>1</sup>, Santosh Astgimath<sup>2</sup>, Han Yan<sup>1</sup>, Jeff Riley<sup>1</sup>, Jan Mulder<sup>1</sup>, Sijia Wang<sup>1</sup>, Klaas Bult<sup>1</sup>

<sup>1</sup>Broadcom, Bunnik, The Netherlands

<sup>2</sup>Wolfson Microelectronics, Edinburgh, United Kingdom

## 2014 Jan Van Vessel Award for Outstanding European Paper

*“A Pin- and Power-Efficient Low-Latency 8-to-12Gb/s/wire 8b8w-Coded SerDes Link for High-Loss Channels in 40nm Technology”*

Anant Singh<sup>1</sup>, Dario Carnelli<sup>1</sup>, Altay Falay<sup>1</sup>, Klaas Hofstra<sup>1</sup>, Fabio Licciardello<sup>1</sup>, Kia Salimi<sup>1</sup>, Hugo Santos<sup>1</sup>, Amin Shokrollahi<sup>1</sup>, Roger Ulrich<sup>1</sup>, Christoph Walter<sup>1</sup>, John Fox<sup>2</sup>, Peter Hunt<sup>2</sup>, John Keay<sup>2</sup>, Richard Simpson<sup>2</sup>, Andy Stewart<sup>2</sup>, Giuseppe Surace<sup>2</sup>, Harm Cronie<sup>3</sup>

<sup>1</sup>Kandou Bus, Lausanne, Switzerland

<sup>2</sup>Kandou Bus, Northampton, United Kingdom

<sup>3</sup>Lausanne, Switzerland

## 2014 ISSCC Award for Outstanding Forum Presenter

*“Wireless Communication for Cubic-mm Sensor Nodes”*

David D. Wentzloff, University of Michigan, Ann Arbor, MI

## 2014 Evening Session Award

*“Anatomy of Innovation: Bug or Feature?”*

Organizer/Moderator: Harry Lee, MIT, Cambridge, MA

Co-Organizer: Ken Nishimura, Agilent Technologies, Santa Clara, CA

Panelists:

Ali Hajimiri, CalTech, Pasadena, CA

Qiuting Huang, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland

Lawrence Loh, MediaTek, Hsinchu, Taiwan

Kofi Makinwa, Delft University of Technology, Delft, The Netherlands

Akira Matsuzawa, Tokyo Institute of Technology, Tokyo, Japan

Dennis Monticelli, Texas Instruments, Santa Clara, CA

## 2014 Demonstration Session Certificate of Recognition

*“A 240Hz-Reporting-Rate 143×81 Mutual-Capacitance Touch-Sensing Analog Front-End IC with 37dB SNR for 1mm-Diameter Stylus”*

Mutsumi Hamaguchi<sup>1</sup>, Akira Nagao<sup>2</sup>, Masayuki Miyamoto<sup>2</sup>

<sup>1</sup>Sharp, Fukuyama, Japan

<sup>2</sup>Sharp, Tenri, Japan

## 2014 Demonstration Session Certificate of Recognition

*“Biomedical Wireless Sensor Platform Comprising Multi-Parameter Signal Acquisition SoC and 2.4 GHz Bluetooth Smart / Zigbee/ IEEE 802.15.6 Personal Area Networks Radio”*

Christian Bachmann, Mario Konijnenburg

imec-Holst Centre, Eindhoven, The Netherlands

## 2015 Silkroad Award

*“Enterprise-Grade 6× Fast Read and 5× Highly Reliable SSD with TLC NAND Flash Memory for Big-Data Storage”*

T. Tokutomi, M. Doi, S. Hachiya, A. Kobayashi, S. Tanakamaru, K. Takeuchi

Chuo University, Tokyo, Japan

## **2015 Silkroad Award**

*“A 1.9mm-Precision 20GS/s Real-Time Sampling Receiver Using Time-Extension Method for Indoor Localization”*

H. G. Han, B. G. Yu, T. W. Kim

Yonsei University, Seoul, Korea

## **2014 Student-Research Preview (SRP) Award**

*“A 320×240 Single Photon Image Sensor with Bias Controllable Sensitivity”*

Neale Dutton

University of Edinburgh, UK

## **2014 Student-Research Preview (SRP) Award (Honorable Mention)**

*“Design of a High Efficiency, Net-Zero Charge Neural Stimulator with Arbitrary Channel Configuration”*

Xilin Liu

University of Pennsylvania