

2009 Lewis Winner Award for Outstanding Paper

“A 5.6MB/s 64Gb 4b/cell NAND Flash Memory in 43nm CMOS”

C. Trinh¹, N. Shibata², T. Nakano², M. Ogawa², J. Sato², Y. Takeyama², K. Isobe², B. Le¹, F. Moogat¹, N. Mokhlesi¹, K. Kozakai¹, P. Hong¹, T. Kamei², K. Iwasa², J. Nakai², T. Shimizu², M. Honma², S. Sakai², T. Kawaai², S. Hoshi², J. Yuh¹, C. Hsu¹, T. Tseng¹, J. Li¹, J. Hu¹, M. Liu¹, S. Skalid¹, J. Chen¹, M. Watanabe¹, H. Lin¹, J. Yang¹, K. McKay¹, K. Nguyen¹, T. Pham¹, Y. Matsuda², K. Nakamura², K. Kanebako², S. Yoshikawa², W. Igarashi², A. Inoue², T. Takahashi², Y. Komatsu², C. Suzuki², K. Kanazawa², M. Higashitani¹, S. Lee¹, T. Murai¹, K. Nguyen¹, J. Lan¹, S. Huynh¹, M. Murin¹, M. Shlick¹, M. Lasser¹, R. Cernea¹, M. Mofidi¹, K. Schuegraf¹, K. Quader¹

¹Sandisk, Milpitas, CA

²Toshiba Semiconductor, Yokohama, Japan

2009 Jack Kilby Award for Outstanding Student Paper

“A Pulsed UWB Receiver SoC for Insect Motion Control”

Denis C. Daly¹, Patrick P. Mercier¹, Manish Bhardwaj¹, Alice L. Stone², Joel Voldman¹, Richard B. Levine², John G. Hildebrand², Anantha P. Chandrakasan¹

¹Massachusetts Institute of Technology, Cambridge, MA

²University of Arizona, Tucson, AZ

2009 Jack Raper Award for Outstanding Technology-Directions Paper

“Optical I/O Technology in Tera-Scale Computing”

Ian Young, Edris Mohammed, Jason Liao, Alexandra Kern, Samuel Palermo, Bruce Block, Miriam Reshotko, Peter Chang

Intel, Hillsboro, OR

2009 Takuo Sugano Award for Outstanding Far-East Paper

“8Gb 3D DDR3 DRAM Using Through-Silicon-Via Technology”

Uksong Kang, Hoe-Ju Chung, Seongmoo Heo, Soon-Hong Ahn, Hoon Lee, Soo-Ho Cha, Jaesung Ahn, DukMin Kwon, Jin-Ho Kim, Jae-Wook Lee, Han-Sung Joo, Woo-Seop Kim, Hyun-Kyung Kim, Eun-Mi Lee, So-Ra Kim, Keum-Hee Ma, Dong-Hyun Jang, Nam-Seog Kim, Man-Sik Choi, Sae-Jang Oh, Jung-Bae Lee, Tae-Kyung Jung, Jei-Hwan Yoo, Changhyun Kim

Samsung Electronics, Hwasung, Korea

2009 Jan Van Vesseem Award for Outstanding European Paper

"A Software-Defined-Radio Receiver Architecture Robust to Out-of-Band Interference"

Z. Ru, E. Klumperink, G. Wienk, B. Nauta

University of Twente, Enschede, Netherlands

2009 Evening Award

"Forewarned is Four-Armed: Classic Analog Mistakes to Avoid"

Organizer: Jed Hurwitz, Gige Semiconductor, Edinburgh, United Kingdom

Moderator: Chris Mangelsdorf, Analog Devices, Tokyo, Japan

Panelists: Bob Blauschild, Independent Design Consultant, Los Gatos, CA; Paul Brokaw, Analog Devices, Tucson, AZ; Jim Williams, Linear Technology, Milpitas, CA; Kofi Makinwa, Delft University of Technology, Delft, Netherlands; Klaas Bult, Broadcom, Bunnik, Netherlands; Zhiliang Hong, Fudan University, Shanghai, China