2014 International Symposium on Dependable Integrated Systems

March 10, 2014
Graduate Seminar Room 7F, General Research Building, Iizuka Campus, Kyutech
Dependable Integrated Systems Research Center
Kyushu Institute of Technology

■09:30~09:40: Opening & Introduction to DISC
Xiaoqing Wen, DISC, Kyutech, Japan

■09:40~10:30: Invited Talk 1

・**Using FPGAs in Automotive & Industrial Applications**
Brad Kadet, Altera, USA

■10:30~11:20: Invited Talk 2

・**Implementation of ATE Timing Circuits on FPGA**
Jiun-Lang Huang, National Taiwan University, Taiwan

■11:20~12:10: Invited Talk 3

・**Why I Started My Own Company at the Age of 29?**
- My perspective on future work shift through my career of 6 years and in 3 countries -
Shusei Hanibuchi, Capsule Inc., Japan

■12:10~13:20: Lunch

■13:20~15:00: DISC-Presentation-I
Chair: Stefan Holst, DISC, Kyutech, Japan

・**Algorithm and Hardware Design of a Quasi MLD Decoder for MIMO Systems**
Hong Trang Thi, Yuhei Nagao, Hiroshi Ochi

・**Hardware Implementation of a MIMO Channel Emulator**
Tran Thi Thao Nguyen, Leonardo Lanante, Yuhei Nagao, Hiroshi Ochi

・**High Definition Video Transmission System using Channel Characteristics**
Masafumi Ito, Koji Tashiro, Daiki Sakata, Masayuki Kurosaki, Hiroshi Ochi

・**Mosaic SRAM Cell TEGs with Intentionally-Added Device Variability for Confirming the Ratio-less SRAM Operation**
Hitoshi Okamura, Takahiko Saito, Hiroaki Goto, Masahiro Yamamoto, Kazuyuki Nakamura

■15:00~15:20: Break

■15:20~17:00: DISC-Presentation-II
Chair: Kohei Miyase, DISC, Kyutech, Japan

・**A Stabilization Technique for Intermediate Power Level in Stacked-Vdd ICs using Parallel I/O Signal Coding**
Naoya Kubo, Tomofumi Nishiyama, Taiki Koizuka, Hitoshi Okamura,Tomoyuki Yamanokuchi, Kazuyuki Nakamura

・**Test Power Reduction for Logic-BIST**
Senling Wang, Yasuo Sato, Seiji Kajihara, Kohei Miyase

・**A Temperature and Voltage Monitor for Field Test**
Yousuke Miyake, Yasuo Sato, Seiji Kajihara, Yukiya Miura

・**Study on X-Filling of Test Pattern for Low-Power Test**
Fuqiang Li, Kohei Miyase, Stefan Holst, Xiaoqing Wen

■17:00~17:05: Closing
Seiji Kajihara, DISC, Kyutech, Japan