2011 Spintronics Workshop on LSI

June 13, 2011
Rihga Royal Hotel Kyoto, Kyoto, Japan

General Information

The 2011 Spintronics Workshop on LSI will be held at Rihga Royal Hotel Kyoto, Kyoto, Japan on June 13, 2011, just prior to VLSI Symposium on Technology of the VLSI Symposia for the first time. The workshop will focus on spintronics-based LSI technologies for high performance and ultra low power systems. The six papers will be presented from invited speakers. The workshop is sponsored by Center for Spintronics Integrated Systems(CSIS), Tohoku University, which has been conducting the FIRST program supported by JSPS.

Registration

Advanced registration of the workshop will be available on the web site of 2011 Symposia on VLSI Technology and Circuits (http://www.vlsisymposium.org/). Workshop fee is free.

PROGRAM

Room : Suzaku Ⅱ (Kibune) 2F	
Opening 7:30 pm - 7:50 pm	**Opening Remarks: Spintronics for Nonvolatile Electronics** Hideo Ohno (Tohoku University, Workshop Chair)
Invited talk 7:50 pm - 8:15 pm	**Recent Progress and Emerging Technology of Spintronics Device for VLSI** Jean-Pierre Nozieres (Spintec)
Invited talk 8:15 pm - 8:40 pm	**Challenges in Non-volatile Etch** Joydeep Guha (Lam Research)
Invited talk 8:40 pm - 9:05 pm	**Technology, Manufacturing and Markets of Magnetoresistive Random Access Memory (MRAM)** Brad Engel (Everspin Technologies)
Invited talk 9:05 pm - 9:30 pm	**Advances in Materials and Structures for STT-RAM** Vladimir Nikitin (Grandis)
Invited talk 9:30 pm - 9:55 pm	**Embedded Spintronics Integrated Circuits for System-on-Chips** Seung Kang (Qualcomm)
Invited talk 9:55 pm - 10:20 pm	**MTJ-Based Nonvolatile Logic-in-Memory Architecture** Takahiro Hanyu (Tohoku University)

Titles of the five invited talks will be announced on CSIS web page (http://www.csis.tohoku.ac.jp/english/index.html).

Program Chairs: Hideo Ohno (Tohoku University), Tetsuo Endoh (Tohoku University)

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