



# 2014 Spintronics Workshop on LSI



June 13, 2014, 19:00 – 20:45

Hilton Hawaiian Village, Honolulu, Hawaii

Mid-Pacific Conference Center: South Pacific

## General Information

The 2014 Spintronics Workshop on LSI will be held at Hilton Hawaiian Village, Honolulu, Hawaii, on June 13, 2014, in conjunction with the VLSI Symposium on Technology as a Satellite Workshop of the 2014 VLSI Symposia. The workshop will focus on VLSI-implementable Spintronics Technology. Five papers will be presented from invited speakers. The workshop is sponsored by Center for Innovative Integrated Electronic Systems (CIES), and Center for Spintronics Integrated Systems (CSIS) Tohoku University.

## Registration

The workshop fee is free of charge but registration is required. Download the registration form below and send it to E-mail: [sien@riec.tohoku.ac.jp](mailto:sien@riec.tohoku.ac.jp)  
FAX : +81+22-217-6117



Click here for registration form.  
**Dead Line : June 5, 2014.**

## PROGRAM

<b>Opening</b> 19:00 - 19:05	<b>Opening Remarks :</b> Hideo Ohno (Tohoku University, Program Chair)
<b>Invited talk</b> 19:05 - 19:25	<b>Implementation of Associative Memories with MTJ-based Logic-in-Memory Architecture</b> Warren J. Gross (McGill University)
<b>Invited talk</b> 19:25 - 19:45	<b>Challenge of Nonvolatile Logic-in-Memory Architecture: Design Examples and the Future Prospects</b> Takahiro Hanyu (Tohoku University)
<b>Invited talk</b> 19:45 - 20:05	<b>Spintronics-based Nonvolatile Computers</b> Tetsuo Endoh (Tohoku University)
<b>Invited talk</b> 20:05 - 20:25	<b>Perspective in STT-MRAM Market and Technology</b> Akihisa Sekiguchi (Tokyo Electron)
<b>Invited talk</b> 20:25 - 20:45	<b>Magnetic tunnel junctions with (Co)FeB-MgO double-interface recording structure for nonvolatile VLSIs</b> Shoji Ikeda (Tohoku University)

**Program Chair:** Hideo Ohno (Tohoku University)

**Program Committee:** Philip Wong (Stanford University, Executive Committee Member of the 2014 Symposia on VLSI Technology and Circuits)

Hitoshi Wakabayashi (Tokyo Institute of Technology, JSAP Executive Committee Member of the 2014 Symposia on VLSI Technology and Circuits)

Tetsuo Endoh (Tohoku University)

Takahiro Hanyu (Tohoku University)

Masaaki Niwa (Tohoku University, JSAP Executive Committee Member of the 2014 Symposia on VLSI Technology and Circuits)

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**South Pacific**  
2014 Spintronics  
Workshop on LSI

**MID-PACIFIC  
CONFERENCE CENTER**  
(6th floor)

**TAPA TOWER**  
ATM  
2014 Symposia  
on VLSI Main Venue

**GRAND  
WAIKIKIAN**

**DIAMOND  
HEAD  
TOWER**

**MAIN  
LOBBY**

**ALI'I  
TOWER**

**LAGOON  
TOWER**

**RAINBOW  
TOWER**

DUKE KAHANAMOKU  
LAGOON

PACIFIC OCEAN

Ala Moana Blvd.

Kalia Road

Kahanamoku Street

Rainbow Drive

Lagoon Drive

Port Hilton

KALIA EXECUTIVE CONFERENCE CENTER  
Starbucks  
Concierge Desk  
Mandara Spa & Salon (4th Floor)

Bus & Tour Transportation

Diamond Head Apartments

Post Office

Camp Penguin

Ocean Crystal Chapel

VILLAGE GREEN

ALI'I TOWER PLAZA

Concierge Desk

Parking Elevators

Hatsuhana Restaurant

Hanajuban Noodle Shop

C.J.'s New York Style Delicatessen

Sergio's Italian Restaurant (2nd Floor)

Round Table Pizza

Laggett's Ice Cream & Coffee

Valet and Taxi

Activities Desk

Tapa Bar

Onocious Dog at Tapa Pool

TAPA POOL

ATM

Activities Desk

Front Desk

Concierge Desk

Manager on Duty

Starbucks

Concierge Desk

PARADISE POOL

Pool Stand

GREAT LAWN

SUPER POOL

Pronto Pickle

Tropics Bar & Grill

Port Waikiki Cruises

Pool Stand

Atlantis Adventures

Beach Stand

Concierge Desk

Rainbow Lanai

Paradise Lounge

Bali Steak & Seafood

**RAINBOW TOWER**

Onocious Dog Beachside

Hau Tree Bar

Pool/Beach Stand