

# “Academic Frontier Center Progress Report Workshop”

## **-Nano-Scale Magnetism and Spintronics-**

The Academic frontier Center “Future Data Storage Materials” sponsored by the Japanese Ministry of Education, Culture, Sports, Science and Technology is in the fifth year of the second term since its establishment in 1999. We would like to thank for all the supports given to us.

We would like to hold a progress report followed by a workshop. For this workshop, we are going to have IEEE Magnetics Society Distinguished Lecturers for 2008 from around the world. Their talks focus on the most recent research activities in “Nano-Scale Magnetism and Spintronics”. I would like to encourage you to participate in this exciting workshop.

Director of Academic Frontier Center  
Dr. Takao Suzuki  
Vice President and Professor  
Toyota Technological Institute

1. **Date and Time: December 5, 2008 10:00 – 18:30**
2. **Place: Toyota Technological Institute, Nagoya, Japan**
3. **Program**

10:00 ~ 10:10 Welcome (President Akira Ikushima)

### **【Progress Reports】**

10:10 ~ 11:50 Progress Reports (Professor Takao Suzuki, Professor Seiichi Mita)

11:50 ~ 13:00 Lunch

### **【Invited Talks】**

13:00 ~ 13:50 **Dr. Bruce Terris** (Hitachi Global Storage Technology, San Jose, CA, USA)  
“Patterned Nanomagnetic Bits and Devices”

13:50 ~ 14:40 **Professor Robert Stamps** (University of Western Australia, Australia)  
“Turbulent Transitions and Frustrated States: Some Issues in Reversal”

14:40 ~ 15:00 Tea Break

15:00 ~ 15:50 **Professor Paulo Freitas** (INESC MN, Lisbon, Portugal and Physics Department, Instituto Superior Tecnico, Lisbon, Portugal)  
“Spintronic biochips for biomolecular recognition”

15:50 ~ 16:40 **Dr. Stuart Parkin** (IBM Almaden Research Center, San Jose, CA, USA)  
“The Spin on Electronics!”

### **【Poster Session】**

16:50 ~ 18:30 Poster Session (presentations by the members of the Center)

17:30 ~ 18:30 Light reception (same place as the poster session room)

\* You are welcome to visit our laboratories during the poster session or before/after the oral sessions.

\*Please find for details: <http://www.toyota-ti.ac.jp>

Contact: If you attend the symposium, please let us know by E-mail or Fax by October 31st.

**TOYOTA TECHNOLOGICAL INSTITUTE**

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