



Day 1 :
NIMS Academic Symposium

Magnetic Materials Innovations

October 15(Mon.) 10:00~18:00 Tokyo International Forum [Hall B5]

9:30 – 10:00	Registration
10:00 – 10:05	Opening Address by President Hashimoto
10:05 – 10:10	Speech by Guest (MEXT)
10:10 – 10:25	Lecture by President Hashimoto "NIMS Overview"
10:25 – 10:40	NIMS Award Ceremony
10:40 – 11:25	NIMS Award Winning Lecture (1) Dr. Masato Sagawa (Adviser, Daido Steel) "Developments of R-Fe-X Permanent Magnets (X=B,C,N)"
11:25 – 12:10	NIMS Award Winning Lecture (2) Prof. Terunobu Miyazaki (Professor Emeritus, Tohoku University) "Development of Spintronics –my contribution–"
12:10 – 13:30	Poster Session / Lunch time
13:30 – 14:00	K. Hono (Director of Research Center for Magnetic and Spintronic Materials, NIMS) "Recent advances in permanent magnet research"
14:00 – 14:30	O. Gutfleish (Professor, Technical University of Darmstadt) "Rare earth free and free rare earth permanent magnets (tentative)"
14:30 – 15:00	J-G. Zhu (Director, Data Storage Systems Center, Carnegie Mellon University) "Present state of hard disk drive technology developments, in particular on MAMR (tentative)"
15:00 – 15:30	Jan Thiele (Seagate Technology) "Next generation hard disk drive technology – heat assisted magnetic recording, HAMR (tentative)"
15:30 – 15:45	Y. Sakuraba (Magnetic Materials Group, NIMS) "Development of advanced materials for high density magnetic recording"
15:45 – 16:30	Poster Session / Coffee Break
16:30 – 17:00	S. Yuasa (Director Spintronics Research Center, AIST) "Applications of MgO-based magnetic tunnel junctions to data storage and nonvolatile memory (tentative)"
17:00 – 17:30	D. Worledgen (Distinguished Research Staff Member, Senior Manager, MRAM & PCM, IBM Almaden Research Center) "Development of spin transfer torque MRAM (tentative)"
17:30 – 17:45	S. Mitani (Spintronic Materials Group Leader, NIMS) "Materials development for next-generation MRAM"
17:45 – 18:00	Poster Award Ceremony, Closing