ABOUT THE CONFERENCE

We welcome you to join us in the international conference PASPS-IV, “The 4th International Conference on Physics and Applications of Spin Related Phenomena in Semiconductors”, in August 15-18, 2006, at Sendai International Center in Sendai, Japan. Spin-related phenomena in semiconductors involves the study of different kinds of phenomena in a broad range of physical systems; examples are the interplay between spin and charge degrees of freedom in non-magnetic and magnetic semiconductors as well as associated nanostructures, spin currents, Hall effect, spin coherence and decoherence in localized/delocalized systems, spin-based novel information processing devices in semiconductor and hybrid structures. TOPICS to be discussed at the Conference include, but not limited to:

- spin-dependent optical phenomena
- spin-dependent transport phenomena
- spin manipulation and coherence/decoherence
- nuclear spins in semiconductors
- ferromagnetic semiconductors
- novel materials for spintronics
- theories associated with spins, materials, and devices
- spin-electronic and spin-optical devices and its applications
- spins in quantum computing

PASPS-IV will be held jointly with ICMFS-19, “The 19th International Colloquium on Magnetic Films and Surfaces”, which gives scientists and engineers the great opportunity of cross fertilization between semiconducting and magnetic systems, in the context of spintronics. PASPS and ICMFS will run each session in parallel, which occasionally merges together in the form of a plenary session. Both conferences are arranged as satellite conferences of the International Conference of Magnetism 2006 (ICM2006), August 20-25 in Kyoto, Japan.

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M. Shirai, H. Imamura, Y. Ohno, H. Kosaka, K. Nagao, Y. Miura

IMPORTANT DATES

Nov. 1st, 05  Calls for papers
Mar. 1st, 06  Deadline for abstract submission
May 1st, 06  Notification of abs. acceptance
June 1st, 06  Deadline for early registration

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