

Wednesday, December 31, 2008

In 2008, Professor Andrei Slavin published 4 papers and presented 5 invited talks

In 2008, Prof. **Andrei Slavin** published 4 papers in the *Physical Review Letters*:

1. Joo-Von Kim, V.S. Tiberkevich, A.N. Slavin, *Generation linewidth of an auto-oscillator with a nonlinear frequency shift: spin-torque nano-oscillator*, Phys. Rev. Lett. 100, 017207 (2008).
2. H. Schultheiss, S. Schaefer, P. Candeloro, B. Leven, B. Hillebrands, and A.N. Slavin, *Observation of coherence and partial decoherence of quantized spinwaves in nanoscaled magnetic ring structures*, Phys. Rev. Lett. 100, 047204 (2008).
3. V.E. Demidov, O. Dzyapko, S.O. Demokritov, G.A. Melkov, A.N. Slavin, *Observation of spontaneous coherence in Bose-Einstein condensate of magnons*, Phys. Rev. Lett. 100, 047205 (2008).
4. Joo-Von Kim, Q. Mistral, C. Chappert, V.S. Tiberkevich, A.N. Slavin, *Lineshape distortion in a nonlinear auto-oscillator near generation threshold: Application to spin-torque nano-oscillators*, Phys. Rev. Lett. 100, 167201 (2008).

Prof. Slavin also presented 5 invited talks on international conferences:

- *Generation line width of a spin-torque auto-oscillator*, International Symposium "Dreikoenigstreffen Magnetismus 08: New Concepts in Spin Dynamics", Bad Honnef/Bonn, Germany, January 2008.
- *Coherence of spin-torque microwave oscillators*, March 2008 Meeting of the American Physical Society, session D-32, New Orleans, Louisiana, March 2008.
- *Spin-torque oscillator in the presence of thermal noise*, International Magnetism Conference INTERMAG-08, Madrid, Spain, May 2008.
- *Influence of Thermal Noise on a Nonlinear Auto-Oscillator*, International Conference on Microwave Magnetism, Ft. Collins, Colorado, September 2008.
- *Nonlinear spin-torque auto-oscillator under the influence of deterministic and stochastic signals*, International Colloquium on Magnetization Dynamics, Irsee, Bavaria, Germany, September 2008.
- **International Conference "Functional Materials" (ICFM 2007)**, Crimea, Ukraine
- Department of Physics, National University of Singapore
- *Theory of Current-Driven Magnetization Oscillations in Magnetic Nano-Structures*, **Sixth Metallic Multilayer Symposium (MML 07)**, Perth, Western Australia

SUMMARY

In 2008, Professor Andrei Slavin published 4 papers in the *Physical Review Letters* and presented 5 invited talks on international conferences.

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