Speaker Profile

Jongill Hong, Ph.D.
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Advanced Materials Engineering
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EDUCATION

September, 99	Ph.D. / **Stanford University,** Stanford, California
April, 95	M.S. / **Stanford University,** Stanford, California
February, 91	B.S. / **Yonsei University,** Seoul, Korea

EXPERIENCE

| 3/02 -present | **Assistant Professor** Advanced Materials Engineering, Yonsei University |
| 3/99 -2/02 | **Senior Research Staff Member** Magnetic Recording Technology Laboratory, Fujitsu Limited, Atsugi, Japan |

RECENT PUBLICATIONS

"Fabrication of metallic nano-stamper and replication of nano-patterned substrate for patterned media," *Nanotechnology*, **15**, pp. 901-906, 2004.

"Chemical states of Co and Fe in a specularly reflective oxide layer in spin valves," *Appl. Phys. Lett.*, **83** (23), pp. 4803-4805, 2003.

"Effects of various sub-monolayers on the properties of spin valves with a $Co_{90}Fe_{10}$ free layer," *Jpn. J. Appl. Phys.*, **42** (12), pp. 7296-7298, 2003.

"Design of specularly reflective layers in spin valves," *J. Appl. Phys.*, **94** (5), pp. 3288-3291, 2003.

"Very large GMR of spin valve with specularly reflective layers," *Appl. Phys. Lett.*, **83** (5), pp. 960-962, 2003.

RESEARCH INTEREST

- Advanced GMR spin valves
- TMR magnetic tunnel junctions and MRAMs
- Patterned magnetic media
- Magnetic sensors
- Spintronic materials and devices
- High speed spin-switching dynamics
- Micromagnetics

Contact Details

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