

# DFG-JST Mini-workshop on Spintronics

Place: PGI Lecture Hall, FZ-Juelich

Time: 20<sup>th</sup> July 2012, 1:30pm

Program:

1:30	M.E. Gruner (Uni Duesburg)	Adaptive nanotwinning and phase stability in magnetic shape memory alloys
2:00	Ph. Mavropoulos(FZ-Juelich)	Anisotropy of spin relaxation in metals
2:30	Break	
2:40	T. Ono (Uni Osaka)	Nonequilibrium Green's function transport calculation procedure based on the real-space finite-difference method
3:10	W. Zhang (RWTH Aachen)	Role of vacancies in metal-insulator transitions in crystalline phase-change materials
3:40	Break	
3:50	Y. Mokrousov (FZ-Juelich)	Engineering Chern insulators from first principles
4:20	S. Saito (Uni Osaka)	First-principles investigation on semiconductor-insulator interfaces
4:50	H. Katayama-Yoshida (Uni Osaka)	Computational Nano-materials Design for d0 Ferromagnetism-based Spintronics: Beyond LDA and Multi-scale Simulation