

First G8 Workshop Program

(April 8 (M), 2013 MINT Center, U. Alabama, Bevill Room 1000)

- 8:40 – 8:50 Welcome (Provost/VP Joe Benson)
- 8:50 – 9:00 Introduction (PI Takao Suzuki)
- 9:00 – 9:45 Project Overview and Development at U.A. (Takao Suzuki) "Project Overview and Development at University of Alabama"
- 9:45 – 10:30 Project Development at U. Delaware (George Hadjipanayis) "Development of rare earth-free permanent magnets based on Mn-compounds"
- 10:30 – 11:15 Project Development at MPI (Eberhard Goering) "MPI-IS Activities"
- 11:15 – 12:00 Project Development at NIMS (Kazuhiro Hono) "Toward the development of Dy-free high coercivity Nd-Fe-B permanent magnets"
- 12:00 – 13:30 **Lunch (Lakeside)**
- 13:30 – 14:15 Project Development at TDK (Shinichiro Ito) "Current magnet materials, focusing on advances in ferrite magnets"
- 14:15 – 14:45 MINT T. Suzuki, T. Hozumi, S. Zhao, P. LeClair, G. Mankey "Magnetic and Structural Properties for Mn-based Multilayer Thin Films"
- 14:45 – 15:15 MINT Oleg Mryasov "Mn based ferromagnets as templates for search of alternative RE-free permanent magnets: understanding M_s , K and their temperature dependence"
- 15:15 – 15:30 **Break**
- 15:30 – 16:00 MINT Yang-Ki Hong "Calculation of $(BH)_{max}$ for Strontium Ferrite Magnet at Elevated Temperatures"
- 16:00 – 16:30 MINT Pieter Visscher "Energy landscapes for hard-soft composites: domain wall pinning"
- 16:30 – 17:00 MINT Claudia Mewes "Micromagnetic Calculations for Hard Magnets"
- 17:00 – 17:10 Closing remarks Takao Suzuki