

Fall Research Workshop
Tuesday, October 28, 2014
Tom Bevill Research Building, Room 1000

- 7:00 - 8:00 **BREAKFAST**
- 8:00 - 8:10 Welcome Remarks by Vice President for Research Dr. Carl Pinkert
- 8:10 - 9:10 Dr. Jonathan Coker* (HGST, a Western Digital Company)
"Opportunities and Challenges in Two Dimensional Magnetic Recording"
- 9:10 - 10:10 Dr. Ron Jansen* (National Institute of Advanced Industrial Science and
Technology (AIST), Tsukuba, Japan)
"Silicon spintronics"
- 10:10 - 11:10 Dr. Tim St. Pierre* (The University of Western Australia)
*"Magnetic Materials in Medicine: Applications in Diagnosis, Management, and
Treatment of Disease"*
- 11:10 - 12:10 Dr. Gareth Hatch (Technology Metals Research)
"Rare Earth Supply Chain Challenge "
- 12:10 - 13:20 **LUNCH**
- 13:20 - 14:20 Dr. Dieter Weller (HGST, a Western Digital Company)
"Challenge in High Density HDD technology"
- 14:20 - 15:20 Dr. Weilie Zhou (University of New Orleans)
"Three Dimensional Nanoarchitectures: Designing Next Generation Device"
- 15:20 - 16:20 Dr. Hans-Benjamin Braun* (University College Dublin, Ireland)
*"Topological Effects in Nanomagnetism: From Perpendicular Recording to
Monopoles"*

*IEEE Magnetic Society Distinguished Lecturers for 2014

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