

## Lectures

### Welcome and Introduction to the Topics of Science at the HZDR

Roland Sauerbrey, Scientific Director of the HZDR

01.08. 2016, 04:30 p.m. - Room # 138, Building 712

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All following lectures will begin at 09:15 a.m. (locations are announced in the event calendar)

- 01.08. Spin Transfer Torque Devices – Ciaran Fowley
- 03.08. Magnetism on the Micro- and Nanoscale – Anna Semisalova
- 05.08. Zero-offset Hall Magnetometry: A New Avenue for Antiferromagnetic Spintronics – Tobias Kosub
- 08.08. Spin Transport: Electrons vs. Magnons – Helmut Schultheiß
- 09.08. Ion Beam Modification of Magnetic Materials and their Applications – Oguz Yildirim
- 12.08. High-field THz Pulses and their Applications in Nonlinear Spectroscopy – Oleksiy Pashkin
- 15.08. The Ion Microscope a Versatile Tool for the Nanoworld – Gregor Hlawacek
- 17.08. Big Bang Nucleosynthesis in the Lab – Daniel Bemmerer
- 19.08. From Space to Earth to Accelerator Mass Spectrometry: Applications at Dresden AMS – Georg Rugel
- 22.08. What Happens if You Can't Buy it on the Market? Natural Resources and High Technology – Axel Renno
- 24.08. Materials Analysis Using Ion Beams – René Heller
- 26.08. Fundamentals of Nanoelectronics: Basic Concepts – Slawomir Prucnal
- 29.08. Monte Carlo Methods in Nuclear and Particle Physics – Stefan Müller
- 31.08. A Tutorial on Ferromagnetic Resonance – Kilian Lenz
- 01.09. Presentation of first Results – Summer Students
- 05.09. Defects in Solids – Maciej Oskar Liedke