

Schedule for the “Basel Nano-magnetism Workshop”

All talks should be no longer than 15 minutes with 15 minutes allotted for group discussion. The aim of the talks is to generate discussion and potentially collaboration between the groups. Students are therefore encouraged to speculate, to include work in progress, and to propose new experiments.

The lab tours will take place in the basement of the Institute of Physics, Klingelbergstrasse 82, in room -1.07. The talks and discussion, starting at 10:00 on 31.10, will be on the first floor of a separate building, the Biozentrum, Klingelbergstrasse 50/70, in room 1.04.

31.10.2012

8:30 Tour of Poggio lab for TUM and EPFL visitors (M. Poggio, Basel)

10:00 Welcome, coffee, croissants (M. Poggio, Basel)

Nanostructure growth and fabrication (Chair: TBA)

10:30 Nanowire growth (F. Matteini, EPFL)

11:00 ALD of ferromagnetic nano-templates (T. Schwarze, TUM)

Nano-magnetometry (Chair: S. Albert, TUM)

11:30 Ni nanotube anisotropic magneto-transport (D. Ruffer, EPFL)

12:00 Cantilever magnetometry & sample attachment (D. Weber, Basel)

12:30 Lunch

14:00 2DEG Cantilever magnetometry (F. Herzog, TUM)

14:30 GHz spectroscopy of ferromagnetic nanotubes (F. Heimbach, TUM)

15:00 Nb and YBCO nanoSQUIDs (Wölbing/Schwarz, Tübingen)

15:30 Hybrid SQUID/cantilever magnetometer (J. Nagel /A. Buchter, Tübingen/Basel)

NanoMRI and nanoNMR (Chair: TBA)

16:00 nanoMRI and nanoSQUID NMR (F. Xue, Basel)

16:30 Closing (M. Poggio, Basel)

19:00 Dinner

01.11.2012

10:00 Tour of Poggio lab for Tübingen visitors (M. Poggio, Basel)