

MASTER ACADEMY, 27.02. 2018

SPINTRONICS

**10-12:** Lecture: *Introduction to magnetism (spintronics)*

(Bertrand Dupe & Daniele Pinna)

**13-14:** Lecture: *Nanomagnetism, thin film structures and micromagnetics*

(Mathias Kläui)

**14-16:** *Lab tours & Presentation of Topics for practical training*

Kerr-microscopy (Jakub Zazvorka)

Ultrafast magneto-optics (Vladimir Grigorev)

SEMPA (Robert Reeve)

STM/ARPES (Hajo Elmers)

**Offered Topics for practical training in research groups (5/3/18 - 22/3/18)**

- Micromagnetic simulations (Karin Everschor-Sitte & Jairo Sinova)
- Implementation of the macro spin model (Karin Everschor-Sitte & Jairo Sinova)
- From Engineering Quantum Matter to thin film Memory Device Operation - do-it-yourself practical course (Gerhard Jakob, Mathias Kläui, Hans-Joachim Elmers)
- Femtosecond time-resolved magneto-optics (Jure Demsar)