

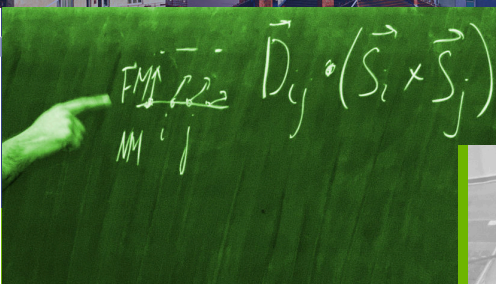


THE EUROPEAN SCHOOL ON MAGNETISM

2019

EXPERIMENTAL TECHNIQUES

Sep 2-13 [2019]
Brno
Czech Republic



Local committee

- M. URBÁNEK (chair), Brno
- V. UHLÍŘ (co-chair), Brno
- L. FLAJŠMAN, Brno
- M. STAŇO, Brno

Steering committee

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- J. STAUNTON, Warwick
- S. VALENZUELA, Barcelona
- B. Van WAEYENBERGE, Ghent
- A. ZORKO, Ljubljana

Scope

The European School on Magnetism (ESM) is a joint action of the European magnetism community, and is organized under the auspices of the European Magnetism Association (EMA). ESM aims at providing young scientists with a thorough up-to-date insight into the fundamentals of magnetism.

As with previous sessions of ESM, the 2019 School is based on a broad range of lectures, with special attention given to experimental techniques. This covers from the fundamental phenomena underlying experimental techniques, to their implementation and data analysis, including hands-on practicals. The School will be an opportunity for young scientists, both experimentalists and theoreticians, to meet and share their expertise.

Topics

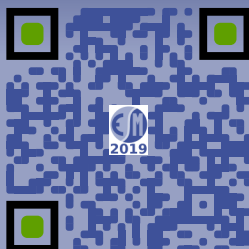
- Basic concepts
- Magnetism in matter
- Magnetization processes
- Experimental techniques: microscopy and spectroscopy (SPM, electrons, X-rays, ...), magnetometry, resonance, electrical measurements, ...
- Industry perspectives

Means of learning

Promoting a close interaction between lecturers and attendees is a crucial aspect of ESM. To achieve this, the programme alternates between lectures, question sessions, analytical and numerical practicals, debates, access to a library dedicated to magnetism, and poster sessions dedicated to the attendees' activities. The School is held in a warm atmosphere with many social activities.

Lecturers

Vittorio Basso (it), Olivier Fruchart (fr), Cristina Gomez-Polo (es), Tomáš Jungwirth (cz&uk), Axel Lubk (de), Jan Lüning (fr), Alexandra Mougin (fr), Laurent Ranno (fr), Theo Rasing (nl), Rudolf Schaefer (de), Virginie Simonet (fr), Julie B. Staunton (uk)



<http://magnetism.eu/school/2019>

