

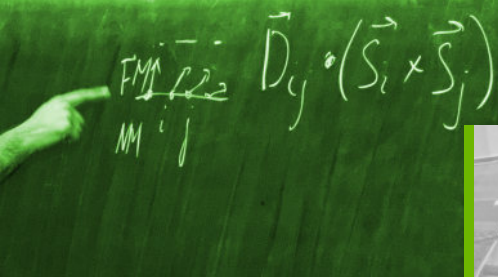


Oct 9 - 21 [2017]  
Cargèse (Corsica)  
France

# THE EUROPEAN SCHOOL ON MAGNETISM

## 2017

### CONDENSED MATTER MAGNETISM BULK MEETS NANO



#### Organizing committee

Virginie SIMONET (chair), Grenoble  
Ingrid MERTIG (co-chair), Halle  
Olivier FRUCHART, Grenoble  
Olivier ISNARD, Grenoble  
Claudine LACROIX, Grenoble

#### Scientific committee

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N. SPALDIN, Zürich  
J. SPAŁEK, Krakow  
J. STAUNTON, Warwick  
S. VALENZUELA, Barcelona  
W. WULFHEKEL, Karlsruhe  
A. ZORKO, Ljubljana

#### Scope

The European School on Magnetism (ESM) is a joint action of the European magnetism community, and is organized in cooperation with the JEMS conference (Joint European Magnetic Symposia). 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 2017 School is based on a broad range of lectures, with special attention given to a specific topic. ESM 2017 will consider modern aspects overlapping condensed matter in bulk materials, and nanomagnetism/spintronics. This covers a wide range of fundamental phenomena deeply rooted in condensed matter physics, and opportunities for applications. The School will be an opportunity for young scientists from the two fields, to meet and share their expertise.

#### Topics

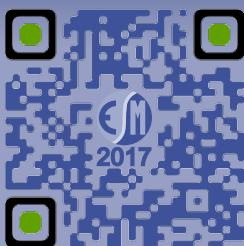
- ▶ Basic concepts
- ▶ Magnetism in matter
- ▶ General tools: symmetry and dimensionality, measurement techniques, topology in magnetism
- ▶ Magnetization textures and dynamics
- ▶ Materials and effects
- ▶ Industry perspectives

#### 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

C. Back (de), B. Canals (fr), A. Cano (fr/ch), L. Chapon (fr), O. Fruchart (fr), M. Kenzelmann (ch), I. Mertig (de), Y. Millev (APS), G. Nénert (PANalytical BV), H. Rønnow (ch), L. Ranno (fr), J. Staunton (uk), W. Wulfhekel (de)



<http://magnetism.eu/school/2017>

