

Workshop on Altermagnets and School on Magnetic Symmetry

Shanghai 2025, June 23rd – 26th

Registration and all information: <https://conferences.koushare.com/CNRSHUInternationalWorkshopSchool>

School Lecturers:

Juan Manuel Perez-Mato
(University of the Basque Country)
<https://cryst.ehu.es>
Qihang Liu
Xiaobing Chen
(SUSTech Shenzhen, China)
www.findspingroup.com

Aims and Scope:

Magnetic symmetry analysis is an excellent tool for describing complex and emerging magnetic phases in condensed matter physics. In particular, the concept of spin group symmetries has gained a renewed interest as a valuable approach for classifying novel magnetic phases, including altermagnets and recently identified unconventional magnets.

Workshop Invited Speakers:

Libor Šmejkal
(JGU Gutenberg, Germany)
Paolo Radaelli
(University of Oxford, UK)
Congjun Wu
(Westlake Univ., Hangzhou, China)
Sang-Wook Cheong
(Rutgers University, USA)
Paolo Barone
(CNR-SPIN Rome, Italy)
Xiangang Wan
(Nanjing University, China)
Cheng Song
(Tsinghua University, China)
Kaiyou Wang
(Ch. Academy of Sc., Beijing, China)
Hikaru Watanabe
(University of Tokyo, Japan)
Hyun-Woo Lee
(POSTECH, Pohang, Korea)
Full list available online

This combined Workshop-School event aims at providing an overview of recent theoretical and experimental research on altermagnetism and unconventional magnetism, while offering practical lectures about advanced symmetry analysis methods for studying magnetic phases. The Workshop features invited talks introducing fundamental aspects of unconventional magnetism and presenting recent research studies. The School covers applications of symmetry analysis, including hands-on sessions on Spin Groups, Magnetic Groups and Altermagnetism.

Students, PhDs, postdocs and young researchers working on magnetism, electronic structure and materials science are strongly encouraged to attend.

Early-bird deadline: April 1st

Organizing Committee:

Alessandro Stroppa
Michele Reticcioli
(CNR-SPIN L'Aquila, Italy)
Wei Ren
Cheng Tang
(Shanghai University, China)
Qihang Liu
(SUSTech Shenzhen, China)
Sang-Wook Cheong
(Rutgers University, USA)

Venue: SHU Shanghai Univ.
(Baoshan Campus)

Arrival:

22/6/2025

Departure:

27/6/2025



SUSTech
Southern University of Science and Technology



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event website