



上海国际晶体学研讨会

Shanghai International Crystallographic School

Workshop on chirality in solid-state physics and quantum materials

15-21 June 2024 – Shanghai

Organizers

Wei Ren (Chair)

(Shanghai University, China)

Alessandro Stroppa

(CNR-SPIN, Italy)

Mois I. Aroyo

(UPV/EHU, Spain)

Lecturers

M. I. Aroyo

(UPV/EHU, Spain)

J. M. Perez-Mato

(UPV/EHU, Spain)

M. Nespolo

(UL/CNRS, France)

B. J. Campbell

(BYU, USA)

D. Avnir

(The Hebrew University - Israel)

S. Cheong

(Rutgers University, USA)

G. Aucar

(Northeastern University, Argentina)

L. Zhang

(NNU, China)

Aims and scope

The aim of the school is to provide an introduction to group-theoretical methods and computational tools necessary for appropriate applications of symmetry properties in solid-state materials science. Special emphasis is given to the applications of computational crystallography using the Bilbao Crystallographic Server (BCS) (www.cryst.ehu.es) for the study of specific problems in solid-state physics, like phase transitions and their symmetry-mode analysis, comparison between crystal structures, magnetic symmetry and its applications in the description of magnetic structures, etc. Special topics like chirality in solid-state physics, continuous symmetry measures, chirality in magnetism, chiral phonons, chirality and relativity will be discussed in the context of new frontiers in materials science research.

The school is intended for scientists in Materials Science, Solid-State Physics and Crystallography in general and specifically for PhD students and young researchers interested in a deep and practical knowledge of group theory and applied crystallography. The maximum number of participant is limited to 70.

Official language of the School is English.

Location: The school will take place in Shanghai University (Baoshan Campus) <https://en.shu.edu.cn/>

Contact and registration

<https://conferences.koushare.com/SHU>



Important dates

Registration period:

1st March 2024

15th April 2024



**International Centre for Quantum and Molecular Structures
Shanghai University, Shanghai, China, 15-21 June 2024**

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Finanziato dall'Unione europea
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