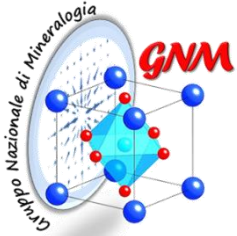


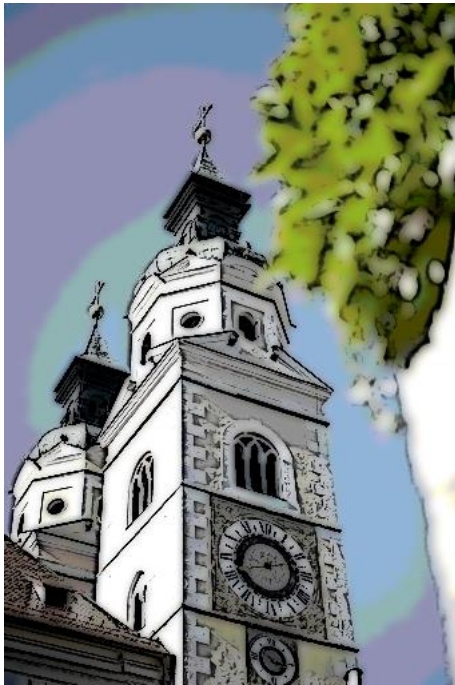
Physical properties of minerals: how and why to dive into their knowledge



Mineralogical School of the National Mineralogical Group (GNM) and Italian Society of Mineralogy and Petrology (SIMP)



12-15 febbraio 2018, Casa della Gioventù Universitaria, via Rio Bianco 12, 39042 Bressanone



Invited speakers

Matteo Ardit (University of Ferrara)
Omar Bartoli (University of Padova)
Fernando Cámara (University of Milano)
Paola Comodi (University of Perugia)
Francesco Di Benedetto (University of Firenze)
Simona Ferrando (University of Torino)
Gabriele Giuli (University of Camerino)
Annalisa Martucci (University of Ferrara)
Enrico Mugnaioli (IIT-Pisa)
Marco Pasero (University of Pisa)
Gabriella Salviulo (University of Padova)
Luca Valentini (University of Padova)

Scientific and Organizing Committee: Paola Comodi (University of Perugia), Annalisa Martucci (University of Ferrara), Marco Pasero (University of Pisa), Mauro Prencipe (University of Torino), Gabriella Salviulo (University of Padova)

The school will take place in: Casa della Gioventù Universitaria, via Rio Bianco 12 - tel. 0472 271511.

Accommodation: Accademia Nikolaus Cusanus, Via Del Seminario, 2 - tel: 0472 832204.



**Sponsored by University of Calabria, University of Modena e Reggio Emilia
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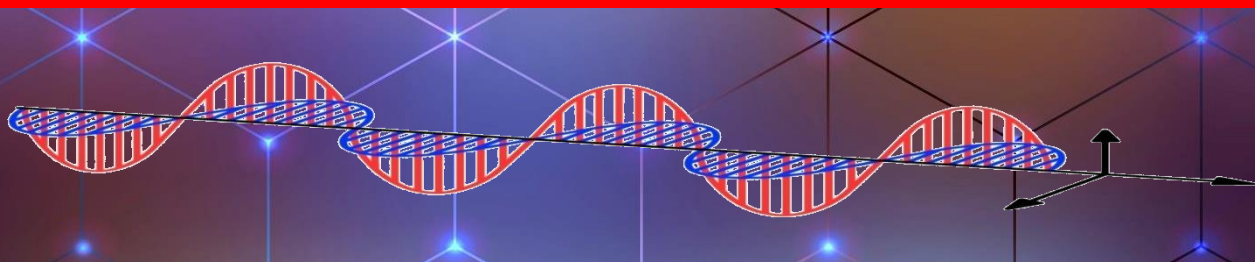


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Physical properties of minerals: how and why to dive into their knowledge



Monday, February 12th

15:00-16:45 – Gabriella Salviulo - Physical properties of minerals: past, present and future

16:45-17:15 – coffee break

17:15-19:00 – Gabriele Giuli – Electrochemical properties of minerals

Tuesday, February 13th

09:00-10:45 – Marco Pasero - Single crystal X-ray diffraction: a powerful analytical tool

10:45-11:15 – coffee break

11:15-13:00 – Enrico Mugnaioli - Electron crystallography: imaging and diffraction

13:00-14:30 – Lunch

14:30-16:15 – Simona Ferrando - Raman spectroscopy in Earth Sciences

16:15-16:45 – coffee break

16:45-18:30 – Francesco Di Benedetto - EPR spectroscopy and magnetometry of minerals: insights to crystal chemistry

20:00-22:00 – Social dinner

Wednesday, February 14th

09:00-10:45 – Paola Comodi - Elastic properties of minerals: theory and practice

10:45-11:15 – coffee break

11:15-13:00 – Fernando Cámara - Collecting high temperature single crystal diffraction data

13:00-14:30 – Lunch

14:30-16:15 – Omar Bartoli - A continent entrapped inside a mineral

16:15-16:45 – coffee break

16:45-18:30 – Annalisa Martucci - Micro and mesoporosity of inorganic materials:
ion exchange properties

Thursday, February 15th

09:00-10:45 – Matteo Ardit - Long- vs. short-range properties along binary solid solutions: the interplay between
X-ray diffraction and absorption spectroscopies

10:45-11:15 – coffee break

11:15-13:00 – Luca Valentini - Industrial minerals in the spotlight: optimizing their environmental performance
for sustainable development