



# International AIC School 2026

Crystallography: From Basic Principles to Emerging Horizons

20–23 July 2026 — Bari, Italy

University of Bari

Department of Earth and Geoenvironmental Sciences

Organized under the auspices of the **Italian Crystallographic Association (AIC)**



An advanced training school covering modern crystallography from fundamentals to frontier research, with lectures and software demonstrations by leading international experts.

Target audience: *PhD students, Postdocs, Early-career researchers*

<b>DAY 1</b>	<ul style="list-style-type: none"> <li>• <b>From Diffraction to Structure Determination</b> X-ray Diffraction, Phase Problem, Small-Molecule and Macromolecule Crystallography</li> </ul>
<b>DAY 2</b>	<ul style="list-style-type: none"> <li>• <b>Structure Solution and Refinement</b> X-ray Powder Diffraction, Electron Diffraction Software: EXPO, SIR, Olex2</li> </ul>
<b>DAY 3</b>	<ul style="list-style-type: none"> <li>• <b>Methods, Techniques and Computation</b> Advanced Materials and Nanostructures, PDF Analysis, Structure-Property Relationships Software: SUNBIM, CSD, Quantum ESPRESSO</li> </ul>
<b>DAY 4</b>	<ul style="list-style-type: none"> <li>• <b>Interdisciplinary Crystallography</b> Natural Materials, Pharmaceuticals, Structural Defects, Artificial Intelligence, Protein Crystallization, Drug Design</li> </ul>
<i>short oral contributions, poster sessions</i>	

**JOIN US IN BARI** - Explore the present and future of crystallography

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