COST-COSY School

Computational Physics of Confined Systems: From Life to Material Sciences

The School will be organized in Kyiv at the Bogolyubov Institute for Theoretical Physics of the NAS of Ukraine (BITP) under the umbrella of COST Action CA21101 / Confined Molecular Systems: From a New Generation of Materials to the Stars (COSY).

The purpose of this School is to introduce students and early-career researchers to computational studies of confined systems, bridging life and materials sciences. Emphasis is placed on advanced modelling methods and on connecting computational results with theoretical approaches and experiments. The School includes hands-on tutorials, scientific communication training, and aims to inspire young researchers to explore this interdisciplinary field.

June 25-27, 2026

Hybrid format
in-person & online
Free participation

BITP, Kyiv, Ukraine

Information & registration

Web: put here QR code

Topics

- Biomolecular structure (nucleic acids and proteins)
- Liquids in confined and bulk environments
- Novel materials (graphene, Dirac materials, atomic clusters)

Speakers

Francesca Mocci (UNICA, Italy)
Sonja Grubisic (University of Belgrade, Serbia)
Erik Laurini (UniTS, Italy)
Khrystyna Gnatenko (LNU, Ukraine)
Vitalii Tymshyshyn (BITP, Ukraine)
Domenico Marson (UniTS, Italy)
Taras Bryk (ICMP, Ukraine)
Ari Paavo Seitsonen (ENS-PSL, France)
Tetiana Bubon (BITP, Ukraine)
Sergiy Perepelytsya (BITP, Ukraine)

Scientific committee

Sergiy Perepelytsya
Maria Pilar de Lara-Castells
Francesca Mocci
Sonja Grubisic

Local organizers

Sergiy Perepelytsya
Tetiana Bubon