

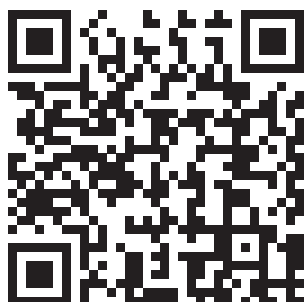
2023



PERSEPHONE | WINTER
+ SMART-X | SCHOOL

The Winter School is a joint event of two MSCA - Innovative Training Networks, PERSEPHONE and SMART-X. They aim at the training of scientists on the development of a **new technological platform based on perovskites** for photonics and on the **development of time resolved X-ray spectroscopy** for the study of new functional materials. The event will have parallel and joint sessions, where lectures will be provided by internationally renowned scientists and Early Stage Researchers enrolled in the program.

Full program available
at [persephoneitn.eu/
news-and-events/perse-
phone-winter-school-2023](https://persephoneitn.eu/news-and-events/persephone-winter-school-2023)



8-13 JANUARY 2023

Hotel Palace Bormio, Bormio (SO), Italy

LECTURES

PERSEPHONE

2D and 3D hybrid perovskites as ionizing radiation detectors

Prof. Beatrice Fraboni

Development of high-performance Sn based halide perovskite transistors

Prof. Yong-Young Noh

Imaging photoexcited phenomena in semiconductors in real space with time-resolved photoemission microscopy (TR-PEEM)

Prof. Keshav Dani

Lead-free perovskite solar cells

Prof. Antonio Abate

LEDs using inorganic and organic-inorganic ionic materials

Prof. Henk J. Bolink

Optoelectronic properties of metal-halide perovskites: A computational modeling approach

Prof. Filippo de Angelis

Perovskites in displays

Dr. Bernard Wenger

Trends in scientific publishing

Dr. Oliver Graydon

SMART-X

Monitoring conical intersections with ultra fast X-ray spectroscopy - a theoretical perspective

Prof. Markus Kowalewsky

Open Science Training

Dr. Gina Pavone

Photoexcitation dynamics in two-dimensional materials

Prof. Christoph Gadermeier

Resonant inelastic X-ray scattering of transition metal oxides

Prof. Frank de Groot

Round table on applications of ultrafast x-ray spectroscopy

Chair: Dr. Jens Biegert

Round table on theoretical approaches for ultrafast x-ray spectroscopy

Chair: Prof. Markus Kowalesky

Theoretical spectroscopy of complex system: fundamentals and challenges

Prof. Claudia Draxl

Tracking Charge and Spin in real-time

Prof. Martin Schultze

Ultrafast exciton dynamics in moiré heterostructures: a time-resolved momentum microscopy study

Dr. Marcel Reutzler

Organizing committee

Dr. Annamaria Petrozza (IIT)

Dr. Caterina Vozzi (CNR)

Lidiane Maria Steffen (IIT)

Egle Molotokaite (CNR)

PERSEPHONE
SMART-X



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