



## INTERNATIONAL WORKSHOP ON IMAGING

Villa Monastero, Varenna (Como Lake), Italy  
September 26 – 29, 2023

### Organized by

- \* "Piero Caldirola" International Center for the Promotion of Science and ISPP, Italy
- \* Milano Bicocca University, Italy
- \* ANTHEM Milano-Bicocca, Italy
- \* CNR-Nanotec of Lecce, Italy
- \* INFN Department of Milano-Bicocca, Italy
- \* Calabria University, Italy

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### Conference Chair

Alberto Bravin	Milano-Bicocca University, STAR – Calabria University, INFN and CNR-Nanotec, Italy
Daniela Di Martino	Milano-Bicocca University and INFN, Italy

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Marco Paganoni	Milano-Bicocca University and INFN, Italy

### Abstracts

One page abstract, related to invited talks, proposals for oral and poster presentations should be sent **by April 26, 2023** to: [imaging23@unimib.it](mailto:imaging23@unimib.it)  
Detailed instructions on the conference website <https://www.icpc.it/imaging/imaging-2023/>

### Proceedings

The journal "European Physical Journal Plus" (EPJ+ by Springer) has agreed to host a new special issue (Focus Point) entitled "Recent advances in X-ray and neutron imaging for cultural heritage and biomedicine" dedicated to the works presented at the Imaging'23 conference.

Only papers (orals or selected posters) that have been presented at the conference by one of the authors will be accepted for this special issue.

Every submitted article will be subjected to the usual journal peer-review procedure.

The proceedings of the conference will be published in the Journal of Instrumentation:

<https://iopscience.iop.org/journal/1748-0221>

Further details will follow on the website.

### With the contribution of:



### Purpose

Imaging has become a paradigmatic and irreplaceable investigation tool in many scientific fields. Besides, X-ray, neutron and nuclear medicine imaging, combined with advanced image reconstruction and analysis techniques, also exploiting artificial intelligence-based approaches, permit to obtain planar and 3D information on the inner morphological, chemical and functional characteristics of the samples, in fields like Medicine, Biology, Cultural Heritage.

The workshop seeks to identify common approaches across different fields of research, techniques and scale lengths. Topics addressed will include:

- Technical approaches to the imaging modalities
- Multi-parametric molecular imaging
- Imaging for the Heritage Science
- Imaging for Homeland security
- Image formation and processing
- Algorithms for image reconstruction and analysis, also based on Artificial Intelligence
- Big Data management

The Conference strongly encourages participation by young scientists.

### Best Poster Award

#### Best oral communication

A best presentation contest will take place to honour the most inspiring talk.

#### Best poster

To encourage the participation of young researchers, a best poster contest will take place to honour the research presented by a PhD student or a Post-doc researcher (it is still possible to submit abstracts for poster presentations).

### Registration fee

Registration fee: Early € 500 to be paid by June 30<sup>th</sup>, 2023; Late € 600 to be paid by September 8<sup>th</sup>, 2023.

The registration fee covers admission to the workshop, social events and lunches of 26-27-28 September. Different social events are planned, including the welcome party and the social dinner. Please follow the webpage regularly for updates.

Pay by bank transfer to:

Banca Popolare di Sondrio, Italy. Account opened in favour of

"International Center Piero Caldirola"

IBAN: IT40B056965149000041377X47 BIC/SWIFT: POSOIT22

Please, state as motivation of payment: **YOUR FULL NAME - Participation "IMAGING2023"**

All bank expenses are at participants' charge.

In case of difficulties paying through bank transfer, we accept **cash payment** in Varenna at the registration desk (please notify in this case).

**Note credit cards cannot be accepted for payment of the registration fee.**

### APPLICATIONS

**Deadline for application: June 30<sup>th</sup>, 2023**

Application and hotel reservation form to be downloaded from the conference website.

Details regarding hotels on the conference website.

Requests for financial support should be addressed to [imaging23@unimib.it](mailto:imaging23@unimib.it)

### Important Dates

Abstract submission

Notification of abstract acceptance:

Submission of Post-deadline posters

Registration and hotel reservation

Early fee payment

Late fee payment

**April 26<sup>th</sup>, 2023**

**May 31<sup>st</sup>, 2023**

**June 2<sup>nd</sup>, 2023**

**June 30<sup>th</sup>, 2023**

**June 30<sup>th</sup>, 2023**

**September 8<sup>th</sup>, 2023**

### Information

**Scientific Information:** Alberto Bravin, Daniela Di Martino: [imaging23@unimib.it](mailto:imaging23@unimib.it)

**Organizing Information:** Donatella Pifferetti [secretariat@icpc.it](mailto:secretariat@icpc.it)

**Conference Website:** <https://www.icpc.it/imaging/imaging-2023/>