



DTMI 2025

International Workshop Carlo Longaretti
on Digital Tools for the Metallurgical Industry

BERGAMO · ITALY · 27-28 NOVEMBER 2025

Organised by



**ASSOCIAZIONE
ITALIANA DI
METALLURGIA**



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SCOPE

DTMI 2025, the International Workshop Ing. Carlo Longaretti on Digital Tools for the Metallurgical Industry, will be an international meeting of excellent level for sharing knowledge and results about the applications of Artificial Intelligence, Machine Learning, Computational Simulation and Data Protection in the metallurgical fields. Theory, methodology, results and further potentialities will be dealt with. The aim of the Workshop is to provide a platform where researchers and practitioners from both academia will meet and share cutting-edge development about the aspects that are ruling the digital transitions.

Authors are invited to contribute to the Workshop by submitting presentations that illustrate research results, projects, surveying works, successful histories and industrial experiences that describe significant advances in the areas of computer science, engineering and applications applied to the Metallurgical sector.

CALL FOR PRESENTATIONS

Prospective speakers wishing to present are invited to submit a tentative title and an abstract of about 400 words (in English) to the Organising Secretariat (conference@aimnet.it).

The abstract should provide sufficient information for a fair assessment.

Two ways to submit papers will be available:

- to send the title and the abstract, together with the requested information (Name and Surname, Affiliation, Mailing Address, Phone and e-mail) by e-mail to: conference@aimnet.it
- to fill in the form on the International Workshop page at www.aimnet.it

DEADLINES

Submission of abstracts	31 July 2025
Information on acceptance	30 September 2025
Opening online registration	30 September 2025
Submission of pdf presentations	7 November 2025
Submission of full papers (optional)	After the Conference



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TOPICS

The Workshop will be performed through invited presentations and on the basis of the selection of the abstracts sent by authors and companies interested in sharing their updated knowledge on the following topics.

- Artificial Intelligence Tools and Application
- Data Mining and Machine Learning Tools
- Computational simulation and modeling
- Simulations of metallurgical phenomena
- Improvement of the process efficiency
- Digital Twins
- Application of digital tools for quality assurance
- Innovative computational approach
- Control and simulation of Plastic Deformation
- Control and simulation of Melting and Solidification Process
- Control and simulation of the Thermal Treatments
- Simulation of Microstructural Evolution
- Robotics
- Recent Trends and Developments
- Successful and promising applications of the digital tools in the metallurgical fields

PROCEEDINGS

All participants will receive the pdf presentations in digital format at the Workshop.

Authors interested in writing full papers for publication on "La Metallurgia Italiana - International Journal of the Italian Association for Metallurgy" (the scientific journal of AIM, which is covered in the Science Citation indexed by Clarivate Analytics (formerly Thomson Reuters), and in Scopus by Elsevier B.V) are invited to inform the Editorial Secretariat (met@aimnet.it) best while submitting their abstract.

LANGUAGE

The Workshop language will be English.

EXHIBITION & SPONSORSHIP OPPORTUNITIES

All information will be available at www.aimnet.it in the next months.

VENUE

The Workshop will be held in Bergamo at the Congress Center Giovanni XXIII, Viale Papa Giovanni XXIII, 106 (www.congresscenter.bg.it).

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WORKSHOP CHAIRPERSON



Carlo Mapelli
Politecnico di Milano

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BERGAMO

Bergamo greets visitors with its Venetian Walls. Surrounded by rivers and lush, verdant valleys, crossed by paths that widen to Parco dei Colli, the area's largest park, the city looks like a lounge filled with art, culture and nature, with a fascinating and complex history just waiting to be shared with others. The "upper and lower" city reveals a mixture of pleasant surprises and unexpected encounters, such as those with Gaetano Donizetti, the great composer of international renown, Bartolomeo Colleoni, the Bergamo leader who served under the Republic of Venice and Lorenzo Lotto, among the most famous Italian Renaissance artists who lived and worked in Bergamo for over a decade.

ORGANISING SECRETARIAT



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