

## CALL FOR PAPERS

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

The abstract should provide sufficient information for a fair assessment.

Two ways to submit papers will be available:

- to fill in the form on the International Meeting website at [www.aimnet.it](http://www.aimnet.it)
- 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: [aim@aimnet.it](mailto:aim@aimnet.it)

## DEADLINES

Submission of abstracts .....	31 July 2024
Information on acceptance .....	30 September 2024
Opening online registration .....	30 September 2024
Submission of pdf presentations .....	8 November 2024
Submission of full papers (optional).....	After the Conference

## CONFERENCE CHAIRPERSON

Carlo Mapelli - Politecnico di Milano

## ORGANISING COMMITTEE

Federica Bassani - AIM

Riccardo Carli - Prosimet

Filippo Cirilli - Rina Consulting - CSM

Sabrina De Donato - AIM

Michele De Santis - Rina Consulting - CSM

Serena Fasolini - Deref

Gianpaolo Foglio - Feralpi Siderurgica

Federico Fusari - Consorzio Ricrea

Carlo Mapelli - Politecnico di Milano

Davide Mombelli - Politecnico di Milano

Domenico Rinaldini - Consorzio Ricrea

Romano Pezzotti - Fersovere

## PROCEEDINGS

All participants will receive the pdf presentations at the Meeting.

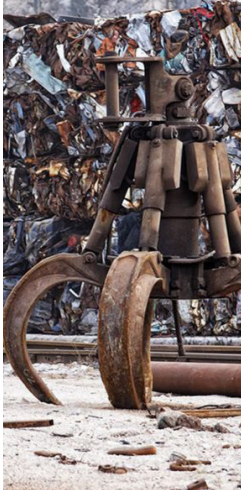
Authors interested in writing full papers for publication on "La Metallurgia Italiana - International Journal of the Italian Association for Metallurgy" (the scientific journal of AIM, which is covered in the Science Citation indexed by Clarivate Analytics (formerly Thomson Reuters), and in Scopus by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

## VENUE

The Conference will be held in Bergamo at the Congress Center Giovanni XXIII - Oggioni room, Viale Papa Giovanni XXIII, 106 ([www.congresscenter.bg.it](http://www.congresscenter.bg.it)).

# CIRCULAR METALLURGY

*international  
meeting*



**RAW MATERIALS,  
BY-PRODUCTS  
& RECYCLING**

**BERGAMO  
28-29 NOVEMBER  
2024**



**ORGANISED BY  
ASSOCIAZIONE  
ITALIANA DI  
METALLURGIA**

**WITH THE SUPPORT OF**



**RICREA**

CIRCUMET

## ORGANISING SECRETARIAT



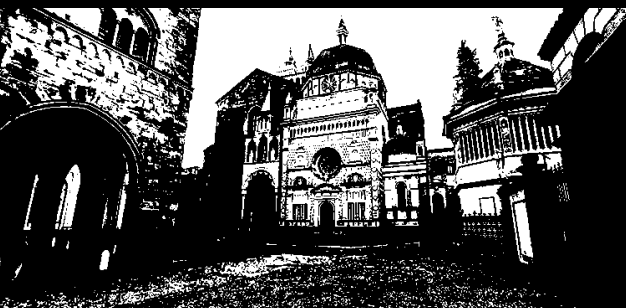
**ASSOCIAZIONE  
ITALIANA DI  
METALLURGIA**

Associazione Italiana di Metallurgia  
Via Filippo Turati 8  
20121 Milano - Italy  
t. +39 0276021132  
t. +39 0276397770  
aim@aimnet.it  
www.aimnet.it/circmet.htm



## 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.



## SCOPE

The environmental and economical sustainability of the metallurgical industries depends on the possibility to recover and recycle the metallic materials after the use of the metallic products. The new challenge is a zero-waste metallurgical process including the recovery of the materials composing the products.

Such a challenging achievement can be fulfilled by a perspective involving commercial, economic and technical issues. Although recycling is an intrinsic feature of all the metallurgical processes, an efficient circular approach needs to take into account a correct selection and cleaning of the metallic and glassy-ceramic materials in order to allow their use in the process avoiding or limiting the exploitation and the consumption of the natural resources.

Such a view imposes a multidisciplinary approach where the application of complex mechanical system, innovative chemical plants, electromagnetic devices, biotechnological techniques and managing algorithm even ruled by artificial intelligence (i.e. for scrap selection, removal of the organic burden, extraction of valuable chemical elements etc.) have to be applied.

An efficient action inspired to the circular economy has to take into account a comprehensive vision where the recycling is associated to an efficient material and energy exploitation that implies an overall decrease of the polluting elements and greenhouse gases.

## TOPICS

The Meeting 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. The deadline for the abstract undergoing the selection is on July 31, 2024, in order to fulfill the final program.

- Scrap
- Scrap conditioning and management
- Recycling
- Recycling of the cans and materials for packaging
- Technique and processes to fit European regulation for packaging
- Tramp elements
- Slag recycling
- Slag valorization
- Recovery of valuable elements from wastes
- Recovery and recycling of the refractories
- Management of the oxide scales
- Treatment of dusts produced by metallurgical processes
- Sludges
- Biometallurgy
- Hydrometallurgy
- Biotechnological system for water treatment
- Heat harvesting for material recovery
- CO2 capture and use
- By-products