

# 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**  
CONSORZIO NAZIONALE RICICLO  
& RECUPERO IMBALLAGGI ACCIAIO

**PROGRAMME**

100

million euros invested  
in process improvements  
and R&D

28

companies  
contributing zinc  
residues

50%

of Italian  
EAF dust  
valorised

150

thousand tonnes  
of dust valorised  
each year

# Let's forge a better future together.

multi-consult.com

For thirty years, we have been valorizing EAF dust to give new life to residues and make the circular economy model a reality. A commitment that generates from the collaboration with all members of the steel supply chain and results in a valuable public service: constant controls, digitized processes and the ability to imagine a more sustainable future for the entire sector.



**Pontenossa**  
Recycle for *lifecycle*

**Pontenossa SpA**  
VIA PREALPINA OROBICA, 60  
24028 PONTE NOSSA BG  
PONTENOSSA-SPA.IT

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.

## **CONFERENCE CHAIRPERSON**

Carlo Mapelli – Politecnico di Milano

## **ORGANISING COMMITTEE**

Riccardo Carli - Prosimet

Serena Fasolini - Deref

Gianpaolo Foglio – Feralpi Siderurgica

Federico Fusari – Consorzio Ricrea

Davide Mombelli – Politecnico di Milano

Domenico Rinaldini – Consorzio Ricrea

Romano Pezzotti - Fersovere

[www.aimnet.it/estad2025](http://www.aimnet.it/estad2025)



# 7<sup>TH</sup> ESTAD

**VERONA, ITALY**  
**6-9 OCTOBER 2025**

Palaexpo Veronafiere

IRONMAKING

STEELMAKING

ROLLING OF FLAT AND LONG  
PRODUCTS, FORGING

STEEL MATERIALS AND THEIR APPLICATION,  
ADDITIVE MANUFACTURING, SURFACE TECHNOLOGIES

HYDROGEN-BASED STEELMAKING, CO<sub>2</sub>-MITIGATION,  
TRANSFORMATION /ENVIRONMENT /ENERGY

DIGITAL TRANSFORMATION

Organised by



**ASSOCIAZIONE  
ITALIANA DI  
METALLURGIA**

Sisters societies

**ASMET**<sup>®</sup>

**Jernkontoret**

**Stahl**

Stahlinstitut  
VDEh

From 8:30 Registration of attendees

## OPENING SESSION

9:30 Welcome addresses

9:40 Longaretti Award

## ENERGY RECOVERY AND STORAGE

CHAIRPERSON: **Carlo Mapelli**

10:00 **CMet\_001 Waste-to-energy plants producing steel as by-product - the future of steel mills? implications?**

A. Schlemminger, B. van Stuijvenberg, A. Kunz – QuantoLux, Germany

10:20 **CMet\_009 Hydrogen storage from a circular economy perspective using  $TiFe_{0.8}X_{0.2}$  (X = Al, Cr, Co, Cu) alloys potentially derived from scrap materials**

E. Garelli, A. K. Patel, E. Dematteis, M. Baricco, P. Rizzi – Università di Torino, Italy  
C. Carbone, A. Agostini – ENEA, Italy  
V. Stavila – Sandia National Laboratories, USA

10:40 Coffee break

## RECOVERY OF VALUABLE ELEMENTS FROM WASTES

CHAIRPERSON: **Gianluca Dall'Osto**

11:10 **CMet\_002 Decarbonization of the Waelz process**

M. Leuchtenmueller – Montanuniversitaet Leoben, Austria

11:30 **CMet\_030 Mechanism of reduction in hydrogen-based EAF dust recovery**

E. Shpilevaia, M.I. Leuchtenmüller, J. Schenk, J. Eisbacher-Lubensky – Montanuniversität Leoben, Austria

11:50 **CMet\_008 DRI Expansion Project**

M. Shorakaei – ARFA Iron and Steel Company, Iran

12:10 **CMet\_014 High temperature physical chemistry of metals recovery from industrial wastes: Pathway to circular metallurgy via slag chemistry**

J. Park – Hanyang University, Korea

12:30 **CMet\_005 ResQTool Project: sustainable recycling of critical raw materials**

F. Pirone, S. Tedeschi, G.P. De Gaudenzi, G.C. Marcheselli – F.I.L.M.S., Italy  
B. Vicenzi, K. Boz – EPMA, France

12:50 Lunch

## SLAG VALORIZATION

CHAIRPERSON: **Davide Mombelli**

- 14:00 CMet\_026 Enhancing slag valorization through LIBS technology**  
M. Guzzon – Tenova, Italy  
V. Scipolo – Tenova Goodfellow, Canada
- 14:20 CMet\_003 Challenges for slags from next generation steel making and opportunities for today's EAF slags**  
D. Algermissen, A. Morillon – FEHS-Building Materials Institute, Germany
- 14:40 CMet\_011 Sustainable use of electric arc and ladle furnace slags as fillers in nitrile butadiene rubber**  
A. Gobetti, G. Cornacchia, M. Gelfi, G. Ramorino – Università di Brescia, Italy
- 15:00 CMet\_039 Advances in grinding sludge valorisation and recovery in the manufacturing industries**  
R. Sesana, M. Dehghanpour, S. Lamparelli, M.S. Javadi, S. Rizzo – Politecnico di Torino, TN (Tsubaki Nakashima), Italy

## RECOVERY AND RECYCLING OF THE REFRACTORIES

CHAIRPERSON: **Massimiliano Di Cosmo**

- 15:20 CMet\_013 Assessment of a comprehensive recoverability of spent furnace linings from copper and nickel metallurgy**  
K. Witt, S. Steinlechner – Montanuniversität Leoben, Austria
- 15:40 CMet\_012 Green steel initiatives supported by CERO Waste Refractory Concept, enhanced slag engineering and using circular metallurgical additives**  
E. Kek, K-M. Zettl – RHI Magnesita, Austria  
D. Giunta – RHI Magnesita, Italy  
N. Tanasic, P. Stahl – MIRECO, Germany  
M. Lin – RHI Magnesita / MIRECTO, Austria  
P. Trezzi – Refrattari Trezzi, Italy
- 16:00 CMet\_019 Recycling of exhausted refractory – an opportunity to reduce the CO2 emission in steel making**  
S. Fasolini, M. Faverjon, M. Proietti – Deref, Italy
- 16:20 Coffee break**

## BY-PRODUCTS

CHAIRPERSON: **Cosmo Di Cecca**

- 16:50 CMet\_007 ZHYRON project: valorization of iron-rich & zinc-containing steelmaking by-products via hydrogen-based reduction**  
J.L. García Cimadevilla, N. Vega Aguirre, H. Boucard, L.C. Villa – ArcelorMittal Global R&D  
M. Kaplan, L. Ahl – GreenIron  
F.J. Real Salas – CIRCE  
L. Fraikin, F. van Loo, B. Mignon – CRM  
P. Ivashechkin – BFI  
F. Guerrero, J-B. Wauters – JGI-HYDROMETAL
- 17:10 CMet\_010 Feasibility study on the use of a recycled solution of Arabic gum in bonding self-reducing briquettes of basic oxygen furnace dust and blast furnace sludge**  
S. Scolari, D. Mombelli, G. Dall'Osto, C. Mapelli – Politecnico di Milano, Italy
- 17:30 CMet\_027 Investigation on binding conditions and reduction behaviors of DRI with millscale**  
H. Yoo, Y. Kang – Dong-A University, Korea
- 17:50 CMet\_029 Solid pyrolytic lignin as a substitute for fossil-derived carbon binders in the manufacture of bio-carbon electrodes for metallurgy and steelmaking**  
L. M. López-Renau, J. F. White, B. Glaser – KTH Royal Institute of Technology, Sweden
- 18:10 CMet\_028 A study on the properties of recaburizing alternatives to coal in electric arc furnaces process**  
J. Kim – Dong-A University, Korea
- 18:30** End of the session
- 19:00** Transfer service
- 19:30 Meeting dinner at Il Circolino**  
Bergamo Alta Restaurant  
Vicolo Sant'Agata 19 • BERGAMO

## RECYCLING

CHAIRPERSON: **Riccardo Carli**

- 8:30 CMet\_037 Recycling of titanium and nickel by continuous extrusion**  
M. Duchek, D. Hradil – COMTES FHT, Czech Republic
- 8:50 CMet\_031 Recycled metallic silicon for casting powder formulation**  
R. Carli, M. Alloni, M. Mahdi – Prosimet, Italy  
R. Vecchiola, A. Tocco – ORIM, Italy
- 9:10 CMet\_025 Assessment of different copper removal techniques for sustainable steel recycling**  
I. Hussain, N. Dogan, Y. Yang – Delft University of Technology, The Netherlands  
F. N.H. Schrama, R. Botinha Lopes Cancado – Tata Steel, The Netherlands;  
Delft University of Technology, The Netherlands
- 9:30 CMet\_004 Latest developments of a circular economy model in the production of hardmetal**  
S. Tedeschi, F. Pirone, M. Garabelli, G.C. Marcheselli, G.P. De Gaudenzi – F.I.L.M.S., Italy
- 9:50 CMet\_032 Model for the optimization of scrap as a function of its bulk density**  
C. Mapelli, G. Dall'Osto, D. Mombelli – Politecnico di Milano, Italy  
V. Zanaglio – ZATO, Italy
- 10:10 CMet\_020 Circular metallurgy potential of metallic composite phase change materials for heat harvesting**  
E. Gariboldi – Politecnico di Milano, Italy  
P. Bassani – CNR ICMATE, Italy
- 10:30 Coffee break**

CHAIRPERSON: **Marta Guzzon**

- 10:50 CMet\_015 On the influence of the composition of lithium-ion battery waste on hydrometallurgical recycling**  
J. van de Ven, S. Abrahams, Y. Yang – Delft University of Technology, The Netherlands
- 11:10 CMet\_022 Chromium oxidation in a pilot scale EAF**  
R. Botinha Lopes Cancado, F. Schrama – Tata Steel, The Netherlands;  
Delft University of Technology, The Netherlands  
D. Papamantellou – Tata Steel, The Netherlands  
A. Smith – Materials Processing Institute, United Kingdom  
N. Dogan, Y. Yan – Delft University of Technology, The Netherlands

## SCRAP

CHAIRPERSON: **Marta Guzzon**

**11:30 CMet\_016 DEM modelling of scrap dynamics in the BOF: enhancing the operational potential**

M.B.A. Hassan, N. Dogan, Y. Yong – Delft University of Technology, The Netherlands  
F. Charruault, B.K. Rout, F.N.H. Schrama – Tata Steel Netherlands, The Netherlands  
J.A.M. Kuipers – Eindhoven University of Technology, The Netherlands

**11:50 CMet\_017 AI-based monitoring of steel scrap properties for improved utilization in scrap based steelmaking**

B. Kleimt, Z. Kargar, V. Peiss – VDEh-Betriebsforschungsinstitut, Germany  
A. Arteaga Ayarza, D. Mier Vasallo, M. Ferrer Prieto – Sidenor I+D S.A., Spain  
I. Unamuno Iriondo – Sidenor Aceros Especiales, Spain

**12:10 CMet\_024 Growing towards Green Steel – Maximising scrap use in the Netherlands**

F.N.H. Schrama, R. Botinha Lopes Cancado – Tata Steel, The Netherlands; Delft University of Technology, The Netherlands  
F. van den Berg – Tata Steel, The Netherlands  
H. van der Weijde – Tata Steel IJmuiden, the Netherlands; M2i, The Netherlands  
P.C. Kuiper – Auto Recycling Nederland, the Netherlands; M2i, The Netherlands  
N. Dogan, Y. Yang – Delft University of Technology, The Netherlands

**12:30 CMet\_021 Industrial demonstrator for heavy melting scrap (HMS) analysis**

F. van den Berg, F. Schrama, B. Ennis, W. Verloop, R. Botinha – Tata Steel, The Netherlands  
M. Sandtke, A. Maas, S. Groenheide – Spectral Industries, The Netherlands  
F. Leinenbach, M. Rabung – Fraunhofer Institute IZFP, Germany  
B. Palm, B. Kleimt – VDE BFI, Germany  
F. Egger, K. Winkler, C. Gruber – K1-MET, Austria

**12:50 CMet\_023 I-SCoRe-2: Identifying and removing chromium from steel**

R. Botinha Lopes Cancado – Tata Steel, The Netherlands; Delft University of Technology, The Netherlands  
N. Dogan – Delft University of Technology, The Netherlands

**13:10 Lunch offered by**  **Pontenossa**  
Recycle for *lifecycle*

## **WAEZ TECHNOLOGY ROADMAP:**

### **TOWARDS A MORE SUSTAINABLE WAEZ PROCESS**

CHAIRPERSONS: **Alina Tito, Claudia Palamini, Dario Bonaldi**

- 14:10 CMet\_034 Analysis of the Waelz dust and relation between the revealed chemical composition, the phased contained in the dust and Zn extraction yield**  
G. Dall'Osto, C. Mapelli, D. Mombelli – Politecnico di Milano, Italy  
D. Bonaldi, C. Bonetti, C. Palamini, A. C. Tito – Pontenossa, Italy
- 14:30 CMet\_036 How DRI use in steel production could affect secondary zinc? A practical test of DRI steel dust in a Waelz kiln**  
T. Kaya, R. Sherry – Global Steel Dust Gulf, Saudi Arabia  
Zinc Resources, USA
- 14:50 CMet\_038 Technological integration of lead and zinc production in KCM AD Plovdiv Waelz process – main technology for waste treatment and metals recycling**  
A. Iliev – KCM AD, Bulgaria
- 15:10 CMet\_033 The carbon footprint of Waelzing**  
S. Grund, H. Sharma – International Zinc Association, Germany
- 15:30 CMet\_035 Zinc Extraction process (ZEP) – a circular dust recycling solution for the green steel transition**  
B. Voraberger, C. Prietl, K. Pastucha, G. Wimmer – Primetals Technology Austria, Austria

**PRELIMINARY PROGRAMME SUBJECT TO CHANGES**

Updated on November 13, 2024

### VENUE

The International Meeting 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)).

### ACCOMMODATION >>[link](#)

### LANGUAGE

The official language of the Meeting will be English.

### 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 Scopos by Elsevier B.V) are invited to inform the Editorial Secretariat ([met@aimnet.it](mailto:met@aimnet.it)).

### ADVANCED REGISTRATION

If you plan to attend, please register online on the Meeting website

[www.aimnet.it/circmet.htm](http://www.aimnet.it/circmet.htm) or fill in the PDF registration form and send it to

[aim@aimnet.it](mailto:aim@aimnet.it) best **before November 11, 2024** (early-bird registrations deadline).

Please use a separate form for each participant.

Please contact the Organizing Secretariat by fax or e-mail, if possible.

### PAYMENT AND REMITTANCE

- by bank transfer, to the order of Associazione Italiana di Metallurgia - AIM at "CREDITO EMILIANO SpA", Branch no. 052 Milano Sede - Via Andegari, 14 - 20121 Milano - Italy, account no. 010000480455 cod. ABI 03032 - CAB 01600 - cin M - IBAN: IT33M0303201600010000480455, swift code BACRIT22MI The transfer order must specify the name of the participant and the reference "CIRCMET2024". A copy of the transfer order must be sent to AIM, together with the Registration Form.
- by credit card online (<https://www.aimnet.it/eng/pagamento.php>).

### CANCELLATION AND REFUND POLICY

A refund, less 20% deduction for administrative costs, will be issued for written cancellations received by November 10, 2023. For attendees who notify their cancellation **after November 11, 2024** or will not attend the conference, a charge of 100% of the conference fee will be withheld and a copy of all presentations will be sent after the event.

### EXHIBITION & SPONSORSHIP OPPORTUNITIES

All information are available at: <https://www.aimnet.it/circmet.htm>

### REGISTRATION FEES

Registration fees (after November 11, 2024)

ALL REGISTRATION FEES ARE REVENUE STAMP INCLUDED

	AIM MEMBER	NON-MEMBER
• SPEAKER • SESSION CHAIRPERSON • COMMITTEE MEMBER	€ 470	€ 550
• PARTICIPANT (NON-PRESENTER)	€ 540	€ 620

For non-members, the fee includes AIM Membership for the last quarter of 2024 and for the year 2025

STUDENT	Student will have to provide valid proof of student status.	€ 400 (VAT included)
---------	---	----------------------

**Additional ticket for Meeting dinner for accompanying persons: € 100** (VAT included)

(Includes only the Meeting dinner on November 28, 2024)

#### MEETING REGISTRATION FEES INCLUDE:

- Admittance to the technical sessions
- Meeting bag with electronic proceedings
- Meeting dinner on November 28
- Coffee breaks and lunch

#### SPEAKERS REGISTRATION

Please be aware that only presentations submitted on time and with presenting author regularly registered (registration fee paid) **before October 31, 2024** will be included in the final programme and distributed to all attendees.

Registration forms will not be processed without payment. A maximum of two presentations will be accepted for each speaker registered in time.

#### SPEAKERS CANCELLATION AND REFUND POLICY

A refund, less 20% deduction for administrative costs, will be issued for written cancellations received by **October 31, 2024**. For speakers who notify their cancellation **after October 31, 2024** or will not attend the Meeting, **a charge of 100% of the conference fee will be withheld**. Their presentations will be distributed anyway, and a copy of all presentations will be sent after the event.

### MEETING DINNER

In order to give delegates, the opportunity to meet informally, AIM organized a Meeting dinner, that will be held in the evening of November 28 at **Il Circolino** Città Alta Restaurant • Vicolo Sant'Agata 19 – Bergamo

A transfer service will be provided. The bus will leave at 19:00 in front of the Congress Center Giovanni XXIII. After the dinner, the bus transfer will bring back the guests to Congress Center Giovanni XXIII.

### INSURANCE

The Organising Secretariat cannot assume any responsibility for personal accident, loss or damage to the private property of participants and accompanying persons, which may either occur during or arise from the Meeting. Participants should therefore take whatever steps they consider necessary as regards insurance.

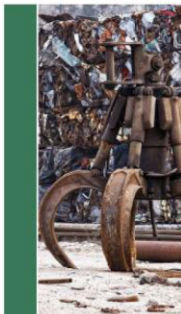
### BERGAMO

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.



# CIRCULAR METALLURGY

*international  
meeting*



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

**BERGAMO  
28-29 NOVEMBER  
2024**

Please complete and return this form by **November 22, 2024** to: **AIM** - Associazione Italiana di Metallurgia  
Via Filippo Turati 8 – 20121 Milano (Italy) – phone: +390276397770 email: [aim@aimnet.it](mailto:aim@aimnet.it) – <https://www.aimnet.it/eng/>

## TO REGISTER PLEASE FILL-IN THE FOLLOWING REGISTRATION FORM IN ALL ITS PARTS.

(IT IS ALSO POSSIBLE TO REGISTER ONLINE - <https://www.aimnet.it/circmet.htm>)

### PERSONAL DATA

Please use **BLOCK** letters throughout form

FAMILY NAME \_\_\_\_\_

FIRST NAME(S) \_\_\_\_\_

E-MAIL FOR CORRESPONDENCE \_\_\_\_\_

COMPANY ROLE \_\_\_\_\_

TEL. \_\_\_\_\_

### INVOICING DATA

COMPANY NAME \_\_\_\_\_

COMPANY FISCAL ADDRESS \_\_\_\_\_

ZIP CODE \_\_\_\_\_ TOWN \_\_\_\_\_

COUNTRY \_\_\_\_\_

E-MAIL FOR INVOICING AND BILLING INFORMATION \_\_\_\_\_

VAT NUMBER \_\_\_\_\_

ORDER REF. NUMBER (IF REQUESTED ON THE INVOICE) \_\_\_\_\_

### ONLY FOR ITALIAN SOCIETIES

Indirizzo posta elettronica certificate (PEC) \_\_\_\_\_

Codice destinatario \_\_\_\_\_

### REGISTRATION FEES

	AIM MEMBER	NON-MEMBER
• SPEAKER • SESSION CHAIRPERSON • COMMITTEE MEMBER	€ 470	€ 550
• PARTICIPANT (NON-PRESENTER)	€ 540	€ 620
STUDENT	€ 400 (VAT included) Student will have to provide valid proof of student status.	

For non-members, the fee includes AIM Membership for the last quarter of 2024 and for the year 2025

- [ ] SPEAKER PAPER CMET \_\_\_\_\_  
[ ] SESSION CHAIRPERSON  
[ ] COMMITTEE MEMBER  
[ ] PARTICIPANT  
[ ] STUDENT  
[ ] AIM MEMBER  
[ ] IZA MEMBER

TOTAL AMOUNT € \_\_\_\_\_

[ ] ADDITIONAL TICKET FOR MEETING FOR ACCOMPANYING PERSONS: € 100 (VAT INCLUDED) (INCLUDES ONLY THE MEETING DINNER ON NOVEMBER 28, 2024)

### PAYMENT AND REMITTANCE

by bank transfer, to the order of Associazione Italiana di Metallurgia - AIM at "CREDITO EMILIANO SpA", Branch no. 052 Milano Sede – Via Andegari, 14 - 20121 Milano – Italy, account no. 010000480455– cod. ABI 03032– CAB 01600 - cin M IBAN: IT33M0303201600010000480455, swift code BACRIT22MIL. The transfer order must specify the name of the participant and the reference "**CIRCMET 2024**". A copy of the transfer order must be sent to AIM, together with the Registration Form.

by credit card online <https://www.aimnet.it/eng/pagamento.php>

against invoice

### PRIVACY

I, the undersigned, have read the Privacy notice at the following page and I accept that AIM processes my personal data in accordance with articles 13-14 of EU Regulation no. 679/2016 (GDPR). Furthermore, I authorize AIM:

- to send any invitations to events of interest from other worldwide metallurgical associations:

yes  no

- to insert my name in the list of event participants:

yes  no

Date \_\_\_\_\_

Signature \_\_\_\_\_

## PRIVACY NOTICE

### Pursuant to artt. 13-14 EU REG. n. 679/2016 (GDPR)

AIM, Italian Association of Metallurgy (VAT number 00825780158), in person of the legal representative Mr. Silvano Panza (hereinafter the "Data Controller"), current in Milan, via F. Turati n. 8, informs you that, pursuant to art. 13 of the EU Regulation n. 2016/679 (hereinafter "GDPR"), your data will be processed in the manner and for the following purposes.

#### 1. Personal Data.

The Data Controller processes personal identifying data (i.e.: name, surname, company name, address, telephone number, e-mail address, username, bank and payment details, hereinafter referred to as "Personal Data") that you have communicated on the occasion of the paper registration or through the website [www.aimnet.it](http://www.aimnet.it)

#### 2. Purpose of the treatment.

Your data will be processed by the Data Controller for the following possible purposes:

- transmission of periodic communications by e-mail;
- invitation to activities and/or events promoted by the Data Controller;
- in case of registration on the website [www.aimnet.it](http://www.aimnet.it), registration on the site and creation of a user (username and password);
- in case of registration for events, inclusion in the list of participants at the event, receipt of invitations for relevant events from other worldwide metallurgical associations and invoicing of the fee for the participation at the event, if due;
- in case of association with AIM, sending of the membership card;
- in case of purchase of books or other material, delivery of the same and invoicing.

#### 3. Processing methods.

The processing of your personal data is carried out by means of the operations indicated in art. 4 n. 2) GDPR and more precisely: collection, registration, organization, storage, consultation, processing, modification, selection, extraction, comparison, use, interconnection, blocking, communication, cancellation and destruction of data.

Your personal data are subjected to both paper and electronic processing. The Data Controller will process personal data for the time necessary to fulfill the aforementioned purposes and in any case for no more than 10 years from the termination of the relationship.

#### 4. Access to the Data.

Your data may be made accessible, for the purposes referred to in art. 2, to the employees and collaborators of the Data Controller, in their capacity as persons in charge and/or internal managers of the processing and/or system administrators.

#### 5. Data communication and data transfer abroad.

The Data Controller may communicate your name, nationality and e-mail address to foreign associations, exclusively in the case of participation in itinerant congress editions.

The aforementioned associations, operating in countries located in or outside the EU, may not provide adequate data protection safeguards (a complete list of countries providing adequate data protection safeguards is available on the EU Guarantor's website for the Protection of Personal Data). In such cases, the transfer of your data will be carried out in compliance with the applicable international rules and agreements, as well as with the adoption of appropriate measures (e.g. standard contractual clauses).

Personal data are stored on servers located in Milan (IT), within the European Union. In any case, it is understood that the Data Controller, if necessary, will have the right to move the servers even outside the EU. In this case, the Data Controller hereby ensures that the transfer of non-EU data will take place in accordance with the applicable legal provisions, subject to the stipulation of the standard contractual clauses provided by the European Commission.

#### 6. Rights of the Data Subject.

In your capacity as a Data Subject, you have the rights set forth in art. 15 GDPR and, precisely, the rights of:

- to obtain confirmation of the existence or not of personal data concerning you, even if not yet registered, and their communication in an intelligible form;
- to obtain the indication: a) of the origin of personal data; b) of the purposes and methods of the processing; c) of the logic applied in case of treatment carried out with the aid of electronic instruments; d) of the identification details of the Data Controller, the data processors and the designated representative pursuant to art. 3, paragraph 1, GDPR; e) the subjects or categories of subjects to whom the personal data may be communicated or who may become aware of it in their capacity as designated representative in the territory of the State, managers or agents;
- to obtain: a) updating, rectification or, when interested, integration of data; b) the cancellation, transformation into anonymous form or blocking of data processed unlawfully, including data whose retention is unnecessary for the purposes for which the data were collected or subsequently processed; c) the attestation that the operations referred to in letters a) and b) have been brought to the attention, also as regards their content, of those to whom the data have been communicated or disseminated, except in the case where such fulfillment is it proves impossible or involves a use of means manifestly disproportionate to the protected right;
- to object, in whole or in part, for legitimate reasons to the processing of personal data concerning you, even if pertinent to the purpose of the collection.

Where applicable, it also has the rights referred to in articles 16-21 GDPR (right of rectification, right to be forgotten, right of limitation of treatment, right to data portability, right of opposition), as well as the right of complaint to the Guarantor Authority.

#### 7. How to exercise rights.

You can exercise your rights at any time by sending: a registered letter to AIM, Italian Association for Metallurgy, via Turati n. 8, Milan or an e-mail to [info@aimnet.it](mailto:info@aimnet.it).

#### 8. Data Controller and person in charge.

The Data Controller is AIM, Italian Association of Metallurgy, via F. Turati n. 8, Milan. The person in charge of data processing is Ms. Federica Bassani, via F. Turati n. 8, Milan - e-mail [info@aimnet.it](mailto:info@aimnet.it).

The updated list of data processors is kept at the Data Controller's headquarters.

**SPONSORED BY**



**Pontenossa**  
Recycle for *lifecycle*

**ORGANISING SECRETARIAT**



**ASSOCIAZIONE  
ITALIANA DI  
METALLURGIA**

Via Filippo Turati 8

20121 Milano · Italy

t. +39 0276021132

t. +39 0276397770

[aim@aimnet.it](mailto:aim@aimnet.it)

[www.aimnet.it](http://www.aimnet.it)