



Bergamo (Italy)
21-22
November
2019

Trends and
future of alloys
for automotive
and trucks

International
Meeting
**METALS
FOR ROAD
MOBILITY**

Organized by



**ASSOCIAZIONE
ITALIANA DI
METALLURGIA**

in co-operation with

siderweb
THE ITALIAN STEEL COMMUNITY

supported by



ASSOFOND
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Federacciai

Scope

The Meeting will focus on the development and innovation of the metallic materials used for the car body structures, equipments and the new propulsion architectures that will condition the mobility technologies in the next years. The attention will be devoted, in particular, on cast irons, steels, aluminium and magnesium alloys. The discussion will involve the microstructural aspects and the technological ones for the production of high performance and reliable materials to fit the safety and the environmental requirements of both current regulation and its upcoming evolution.

MeMo aims at providing a forum for information transfer among producers, components manufacturers and suppliers, research and academics, designers and engineers, active in the mobility (automotive and trucks) field.

Trends and future of automotive sector will be widely discussed during the plenary session, organized by Siderweb in the second day of the Meeting. **AIM is looking forward to welcoming you in Bergamo!**

Language

The Meeting will be held in English.

Topics

The Meeting will be performed through invited presentations and speeches selected from abstracts sent by authors and companies interested in sharing their updated knowledge on the following topics:

Metal alloys & components

- _Steel plates, bars, rods and wires
- _Cast iron castings
- _Light alloy castings
- _Aluminium extruded profiles
- _Use of tube and tubular components
- _Metal alloys for the car body, engine, mechanical transmission components, bolts and fasteners
- _Gears, bearings and shafts

Performance

- _Mechanical performances
- _Corrosion performances
- _Prediction of product performances
- _Environmental performance and safety aspects
- _Life Cycle Assessment
- _Failure analysis and prevention
- _Joining performances

Call for papers

Prospective authors wishing to present a paper are invited to submit a tentative title and an abstract of about 400 words (in English) to the Organising Secretariat by June 12, 2019. 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 Conference website at <http://www.aimnet.it/memo.htm>
- 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

Certain papers may be considered for publication in the AIM journal "La Metallurgia Italiana - International Journal of the Italian Association for Metallurgy", which is covered in the Science Citation Indexed by Clarivate Analytics (formerly Thomson Reuters), and in Scopus by Elsevier B.V.

Important dates

Titles and abstracts:	June 12, 2019
Notification of acceptance:	June 28, 2019
Opening of online registration:	June 2019
Submission of presentations:	October 31, 2019

Processing solutions

- _Metal plastic drawing, metal blanking and fine blanking
- _Forging and forming
- _Foundry solutions
- _High Pressure Die Casting
- _Low Pressure Die Casting
- _Investment casting
- _Powder Metallurgy
- _Additive Manufacturing (3D printing of metal alloys)
- _Heat treatment
- _Welding
- _Zinc and Aluminium coating for steels
- _Process simulation, control and optimization
- _Surface engineering
- _Metals extrusion

Market

- _Market perspectives

Committees

(to be completed)

ORGANISING COMMITTEE

Federica Bassani - Associazione Italiana di Metallurgia
Giovanni Maria Caironi - President of AIM/Assofond Foundry Study Group
Guido Capoferri - President of AIM Plastic Deformation of Metals Study Group
Paola Cristiani - IPSAI
Lucio Dall'Angelo - Siderweb
Maurizio Grillo - President of AIM Light Metals Study Group
Carlo Mapelli - President of AIM Steelmaking Study Group
Federico Mazzolari - Associazione Italiana di Metallurgia
Emanuele Morandi - Siderweb
Piero Parona - President of AIM Diecasting Study Group
Danilo Petta - President of AIM Heat Treatment and Metallography Group

SCIENTIFIC & STEERING COMMITTEE

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Jacopo Tatti - CRF, FCA company
Roberto Venturini - Acciaierie Arvedi
Paolo Veronesi - Università degli Studi di Modena e Reggio Emilia
Cinzia Vezzosi - Assofermet
Franco Zanardi - Fonderie Zanardi

Sponsorship opportunities

Companies interested in sponsoring the event may contact the Organising Secretariat: aim@aimnet.it - tel. +39 02 76021132. Information and forms will also be available on the Meeting website: www.aimnet.it/memo.htm

Venue

The Meeting will be held in Bergamo at Kilometro Rosso Innovation District, Via Stezzano, 87 (<http://www.kilometrorosso.com>).

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 filed 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.



ASSOCIAZIONE ITALIANA DI METALLURGIA

member of
FEMS
FEDERATION OF EUROPEAN MATERIALS SOCIETIES

Organizing Secretariat



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