

Advance Programme

BAR, WIRE & TUBE DRAWING

IWD

INTERNATIONAL
WORKSHOP

2017

BERGAMO · ITALY · 30/11 >> 01/12 · 2017

TRADUZIONE
SIMULTANEA
DALL'INGLESE
ALL'ITALIANO

Organised by

Plastic Deformation of Metals Study Group of



**ASSOCIAZIONE
ITALIANA DI
METALLURGIA**

Patronized by



UNIVERSITÀ DEGLI STUDI DI BERGAMO



CENTRO INOX



Federacciai

siderweb
THE ITALIAN STEEL COMMUNITY

Sponsored by



ArcelorMittal

GFELTI

www.aimnet.it/iwd2017.htm



Scope

The cold drawing of the metal alloys is a fundamental step for the production of high quality products featured by good surface and reliable performances.

The thermo-mechanical cycle involving the cold drawing aims at obtaining smooth surfaces, hardened alloys, good machinability, strict control of the geometric tolerances and of the microstructural features (i.e. grain size).

This international meeting aims at sharing the knowledge about the manufacturing processes of drawn products, design, optimization and control of these processes and issues related to the management and logistics in the metal industry.

Workshop Chairman

Ing. Sandro Fraccia

Scientific & Steering Committee

Gabriele Bizzozzero · Agrati Group, Italy

Marina Cabrini · University of Bergamo, Italy

Guido Capoferri · President of AIM Plastic Deformation of Metals Study Group

Mario Cusolito · Italy

Sandro Fraccia · Rolafer, Italy

Carlo Mapelli · Politecnico di Milano, Italy

Enrico Mariani · Rodacciai, Italy

Renato Nemfardi · Eure Inox, Italy

IWD 2017 Organising Secretariat

ASSOCIAZIONE ITALIANA DI METALLURGIA

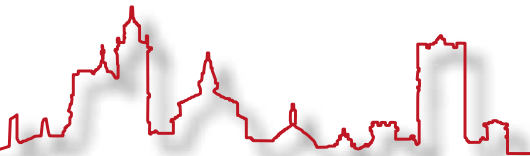
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www.aimnet.it/iwd2017.htm



November 30, 2017

13.00 Registration of attendees

13.40 Welcome address by
Prof. Carlo Mapelli - AIM President
Ing. Sandro Fraccia - IWD 2017 Chairman

Chairpersons: **Sandro Fraccia, Carlo Mapelli**

14.00 **Defects, their source and detection in wire drawn products**
C. Mapelli, S. Barella, A. Gruttadauria, D. Mombelli - Politecnico di
Milano, Italy
M. Cusolito - Italy

14.25 **Non destructive testing on stainless steel**
I. Calmet - Ugitech, France

14.50 **DEFECTOARRAY - a new concept for eddy current**
R. Sailer, M. Zorcic - Foerster
P. Valsecchi - Foerster Italia, Gaggiano, Italy

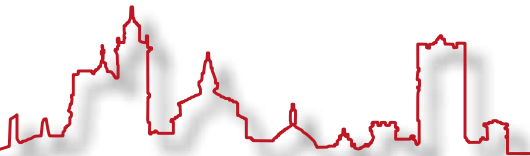
15.15 **The perfect surface drawing machine. History and actuality**
M. Beaupain - ZT, Schio, Italy

15.40 Coffee break

16.00 **ArcelorMittal Europe longs products advanced high strength
steels for automotive applications**
M-T. Perrot-Simonetta - ArcelorMittal Europe, Luxembourg

16.25 **Continuous annealing by resistance heating furnace**
R. Nemfardi, R. Bedini, G. Zucchelli, D. Bonora - Eure Inox, Italy
C. Mapelli, S. Barella, A. Gruttadauria, D. Mombelli - Politecnico di
Milano, Italy

- 16.50 **Surpassing steel performance by creating a very fine grained microstructure**
M.I. Lembke, L. Oberli, G. Olschewski, R. Dotti - Steeltec AG, Switzerland
- 17.15 **Hot-rolled steels for special purposes: high carbon wire-rod for cold-drawing**
N. Bolognani, A. Parimbelli - Caleotto, Italy
- 17.40 **In line non contact measurement and quality improvement solutions**
I. Valeri - Zumbach Electronic, Italy
- 18.05 **Recent developments in Eddy Current testing of cold drawn wire**
D. Poltronieri - Prüftechnik, Cesano Boscone, Italy
- 19.15 Workshop dinner



December 1, 2017

8.15 Registration of attendees

Chairperson: **Mario Cusolito**

9.00 **Innovative and eco-friendly cleaning process for high speed wire-drawing system**

G. Orlando - Decapaggio&Passivazione Consulting, Italy

L. Trombi, R. Giovanardi - Università di Modena e Reggio Emilia, Italy

9.25 **Hard metal tools for drawing process by CERATIZIT**

A. Valsecchi - Ceratizit Italia, Italy

9.50 **A new generation of lubricants for wire drawing, free from substances that are potentially harmful or dangerous to persons and environment**

G. Arrighetti - TKT group, Italy

G. Garoli - Koner, Italy

10.15 **The benefits of drawing dies with long reduction cone and forced lubrication**

D. Di Maggio, D. Vassena - Vassena Filiere, Malgrate, Italy

10.40 Coffee break

Chairperson: **Lorenzo Caserta**

11.10 **Cold drawing pipes: a case study**

R. Bedogni, M.M. Ladron de Guevara, M. Maj, L. Caserta

TenarisDalmine, Italy

11.35 **Muffle tubes: choose the right material for longer service life**

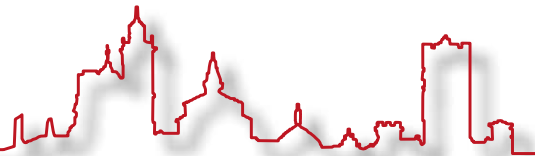
A. Spaghetti - Sandvik, Italy

- 12.00 **Advantages of atmosphere control during heat treatment for tubes production**
L. Bustamante Valencia - Air Liquide France Industrie, France
- 12.25 **Tube fixed plug drawing: determination of the friction coefficients and drawability of 316 LVM stainless steel**
N. Chobaut, E. Rosset - Haute Ecole du Paysage d'Ingénierie et d'Architecture, Geneva, Switzerland
J-M. Drezet, S. Mischler, V. Nguyen - Ecole Polytechnique Fédérale de Lausanne, Switzerland
B. De Marco, S. Dobler - Swiss-Tube LN Industries SA, Champagne, Switzerland
- 12.50 **Development of new tests to assess sulfide stress corrosion cracking of linepipes**
M. Cabrini, S. Lorenzi, T. Pastore, D. Pesenti Bucella - Università di Bergamo, Italy
A. Paggi, E. Paravicini Bagliani, P. Darcis - TenarisDalmine, Italy
- 13.15 Lunch
- 14.30 **Drawing market outlook**
Co-organised with
siderweb
Speakers: Stefano Ferrari, Achille Fornasini
- 15.30 Final discussion
- 16.00 End of the Workshop

NOTE ON THE PROGRAMME

This programme is a preliminary programme. It is not definitive and it may be slightly modified.

Possible changes in the programme will be communicated before the beginning of the event.



General Information

Workshop Venue

The Workshop will be held at the University of Bergamo, Sala Conferenze S. Agostino - room 5, in Piazzale S. Agostino - Bergamo alta.

Accommodation

For information on accommodation in Bergamo, we invite you to visit the Workshop website: www.aimnet.it/iwd2017.htm

Language

The official language of the Workshop will be English. A service of **simultaneous translation (English-Italian)** will be provided.

Proceedings

The presentations will be published in the form of electronic proceedings and issued to attendees on arrival at the Workshop.

A selection of the best papers will also be published on "La Metallurgia Italiana – International Journal of the Italian Association for Metallurgy", the scientific journal of Associazione Italiana di Metallurgia which is covered in the Science Citation Index Expanded by Thomson Reuters and in Scopus by Elsevier B.V.

Registration fees

EARLY BIRD REGISTRATION FEES (by October 31, 2017)

N.B: Speakers registration deadline: October 31, 2017

	AIM member	NON member
SPEAKER / SESSION CHAIR/ COMMITTEE MEMBER (*)	€ 250	€ 340
DELEGATE (non presenter) (*)	€ 350	€ 440
STUDENT (**)	FREE	€ 240

STANDARD REGISTRATION FEES (after October 31, 2017)

	AIM member	NON member
SESSION CHAIR/ COMMITTEE MEMBER (*)	€ 250	€ 340
DELEGATE (non presenter) (*)	€ 390	€ 480
STUDENT (**)	FREE	€ 280

Additional ticket for Social event: 90 € (22% VAT included)
(Includes only the Workshop dinner on November 30).

(*) *Registration fees are revenue stamp included.*

(**) *Students registration fees are VAT included. Student will have to provide valid proof of student status. Workshop dinner on November 30 is not included.*

Registration information

Workshop Registration fees include:

- admittance to technical sessions
- Workshop bag with electronic proceedings
- Workshop dinner November 30
- coffee breaks
- lunch
- For non-members the fee includes AIM Membership for the last quarter of 2017 and for the year 2018 (students fee excluded).

Payment and remittance

- by bank transfer, to the order of Associazione Italiana di Metallurgia – AIM at “Banca Popolare Commercio e Industria (UBI Banca)”, Branch no. 2 – Via Borgogna, 2/4 - 20122 Milano- Italy, account no. 000000022325 - cod. ABI 03111 - CAB 01604 - CIN O, IBAN: IT4900311101604000000022325, swif code BLOPIT22. The transfer order must specify the name of the delegate and the reference “IWD 2017”. A copy of the transfer order must be sent to AIM, together with the Registration Form.
- by credit card online (www.aimnet.it/iwd2017.htm)

Speakers registration

Please be aware that only presentations submitted on time and with presenting author regularly registered (registration fee paid) **before October 31, 2017** will be included in the final programme and published in the Workshop proceedings.

Registration forms will not be processed without payment.

A maximum of two papers will be accepted for each author 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, 2017**.

Advanced registration

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

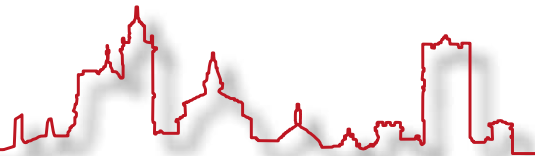
www.aimnet.it/iwd2017.htm or fill in the enclosed Registration Form and send it to the Organising Secretariat best **before October 31, 2017** (early-bird registrations deadline).

Please use a separate form for each participant.

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

Cancellation and refund policy

A refund, less 20% deduction for administrative costs, will be issued for written cancellations received by **October 31, 2017**. For attendees who notify their cancellation after October 31, 2017 or will not attend the Workshop, a charge of 100% of the Workshop fee will be withheld and a copy of the proceedings will be sent after the event.



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 Workshop. Participants should therefore take whatever steps they consider necessary as regards insurance.

Visa Application Form

If you need an official invitation please send your request to the Organising Secretariat best before November 6, 2017 complete with family and first name, Mr/Mrs, birth date, passport number, arrival and departure dates, nationality and fax number of the Italian Embassy for your Country.

Sponsorship opportunities

Companies will be able to reinforce their participation and enhance their corporate identification by taking advantage of the benefits offered to them as Contributing Sponsors of the Workshop.

For further information, please refer to the Workshop Secretariat (aim@aimnet.it).

Workshop dinner

The Workshop dinner will be held on the evening of November 30 at TAVERNA COLLEONI DELL'ANGELO - Piazza Vecchia 7- Bergamo Alta, in order to give delegates the opportunity to meet informally.

Venue

The Workshop will be held in 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. Also known as the "Città dei Mille", or City of the Thousand, in honor of those 180 Bergamo young men who departed from here in 1860 to participate in the expedition "of the thousand" led by Garibaldi that resulted in the unification of Italy, Bergamo's streets bear signs of its ancient history, a story that's still in the making.

Among museums, works of art and splendid natural surroundings, cobbled streets and buildings with beautiful facades, religious and contemporary artistic treasures and masterpieces of taste and wine, events that are held throughout the year: 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.

How to reach the Workshop venue

Bergamo is in the centre of Lombardy, more or less 50 km from Milan.

By plane

The International Airport of Orio al Serio (www.orioaeroporto.it) is just 5 km from Bergamo and 45 km from Milan. It is connected to many Italian and European destinations, and is known for its large number of low-cost airlines. The Airport Bus service runs daily to and from the airport every 30 minutes and the journey takes about 20 minutes; for further info visit www.atb.bergamo.it.

By train

Bergamo railway station is directly connected to Milan, Lecco and Brescia (with connections for Lake Garda, Verona, and Venice). The journey times for Milan-Bergamo and Brescia-Bergamo are approximately one hour. The station is located in Lower Bergamo and is connected to Città Alta (Upper Bergamo) by bus, which departs about every 10 minutes. Trenitalia ph. 89.20.21 (call center) - <http://www.trenitalia.com>

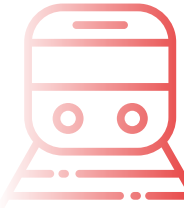
By car

You can reach the town by motorway (A4)

By bus

The journey from Milan Lampugnano, Cadorna and Piazza Castello to Bergamo Bus Station with the Trasporti NET Nord Est company takes about one hour with smooth flowing traffic conditions. The connection from Milan Cadorna, Central Station and Lampugnano to the Orio al Serio Bergamo airport is run by Autostradale and the journey time is about one hour with flowing traffic conditions.

For both companies, buses depart approximately every 30 minutes. The bus station and ticket off is located in Piazzale Marconi next to the train station.



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