



Conference organisers



**ASSOCIAZIONE ITALIANA DI METALLURGIA**

p.le Rodolfo Morandi 2 · 20121 Milano · Italy  
phone: +39 02.7602.1132 or +39 02.7639.7770  
fax +39 02.7602.0551 · e-mail: aim@aimnet.it  
conference website: [www.aimnet.it/ht2015.htm](http://www.aimnet.it/ht2015.htm)

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**1<sup>st</sup> ANNOUNCEMENT - CALL FOR PAPERS**

**VENICE (ITALY), 20-22 MAY 2015**

# European Conference on Heat Treatment 2015 & 22<sup>nd</sup> IFHTSE Congress

## Heat Treatment and Surface Engineering From tradition to innovation

Organised by



**Associazione  
Italiana  
di Metallurgia**



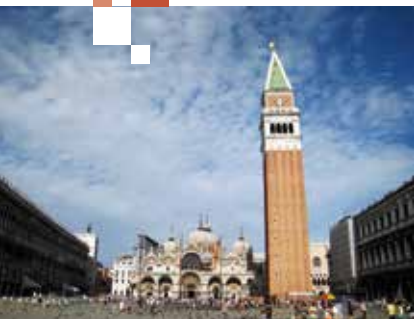
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In cooperation with



Event no. 395  
of the EFC





## Scope

The long-standing co-operation between **AIM - Associazione Italiana di Metallurgia** - and the **IFHTSE - International Federation for Heat Treatment and Surface Engineering** - has already led to the joint organisation of significant events, such as the Congresses held in Florence in 1982 and in 1998 and the Congress on automotive applications organised in Riva del Garda in 2005.

Now, our combined efforts resources will be focused on the organisation of a Conference that will deal with tradition and innovation in heat treatment and surface engineering. The Conference will join the **European Conference on Heat Treatment 2015** and the **22<sup>nd</sup> IFHTSE Congress**.

The Conference will bring together managers, engineers and researchers from heat treatment shops, tool makers and users, suppliers of heat treatment and surface engineering plant and equipment, as well as material scientists. This meeting is aimed at creating an opportunity for a technical exchange at an international level among the numerous experts involved in the heat treatment and surface engineering route.

## Topics

The Conference will cover the overall development of technologies in heat treatment and surface engineering, with particular focus on the following topics:

- **Thermo-chemical treatment (carburizing, nitriding, nitrocarburising,...)**
- **Surface hardening (induction, laser,...)**
- **Coating technology and coatings (PVD, CVD, plasma, thermal spray,...)**
- **Design and construction of industrial heat treatment equipment**
- **Equipment for measurement and process control**
- **Quenching technology, equipment and quenchants**
- **Residual stress and distortion**
- **Environmental impact of heat treatment**
- **Environmental aspects of surface engineering**
- **Tribology and tribological testing methods**
- **Wear and wear protection**
- **Modeling and simulation of heat treatment and surface engineering related aspects**
- **Reliability and process control**
- **Cost analysis and reduction in manufacturing**
- **Energy saving**
- **Bulk heat treatment**
- **Mechanical properties**

## International Steering Committee

**Federica Bassani** - AIM, Italy  
**Sylvain Batbedat** - A3TS, France  
**Pierre Bruchet** - A3TS, France  
**Bruno Hribernik** - ASMET, Austria  
**Patrick Jacquot** - IFHTSE, France  
**Xu Kewei** - IFHTSE, China  
**Zoltán Kolozsváry** - IFHTSE, Romania  
**Jürg Läderach** - SVW/ATT, Switzerland  
**Ottavio Lecis** - AIM, Italy  
**Klaus Löser** - AWT, Germany  
**Reinhold Schneider** - IFHTSE, Austria  
**Pavel Stolar** - ATZK, Czech Republic  
**Bernard Vandewiele** - VWT, Belgium and the Netherlands  
**Robert Wood** - IFHTSE, United Kingdom

# International Programme Committee

**Herwig Altena** - Aichelin Holding GmbH, Austria  
**Paolo Luca Antona** - Università di Ferrara, Italy  
**Antonio Bavaro** - Laboratorio Prove Bavaro, Italy  
**Massimiliano Bestetti** - Politecnico di Milano, Italy  
**Mario Cusolito** - Rodacciai, Italy  
**Sabine Denis** - Université Henri de Poincaré, Nancy, France  
**Kiyoshi Funatani** - MTI Institute, Japan  
**G. Marina La Vecchia** - Università degli Studi di Brescia, Italy  
**Nora Lecis** - Politecnico di Milano, Italy  
**Thomas Lübben** - IWT Bremen, Germany  
**Rafael Mesquita** - Villares, Brazil  
**Massimo Pellizzari** - Università degli Studi di Trento, Italy  
**Danilo Petta** - Gearchem, Italy  
**Emilio Ramous** - Università degli Studi di Padova, Italy  
**Vladimir Skorobogatykh** - CNIITMASH, Russia  
**Paul Stratton** - Matscribe, United Kingdom  
**George Totten** - Texas A&M University, USA  
**Eva Troell** - Swerea IVF, Sweden  
**Valentina Vicario** - FOMAS Group, Italy  
**Hans-Werner Zoch** - IWT Bremen, Germany

## Language

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

## Call for papers

Prospective authors wishing to present papers are invited to submit a tentative title and an abstract of about 300 words (in English) to the Organising Secretariat ([aim@aimnet.it](mailto:aim@aimnet.it)). The abstract should provide sufficient information for a fair assessment and include the title of the paper, the author's names and contact details (address, telephone and fax numbers and e-mail address). The name of the presenting author should be underlined.

There are two ways to submit papers:

- fill in the form on the conference web site at: <http://www.aimnet.it/ht2015.htm>
- send the requested information by e-mail to: [aim@aimnet.it](mailto:aim@aimnet.it)

A **poster session** will be included if the number of accepted paper exceeds the space available for oral sessions.

**Awards**, each of EUR 500, will be made for the three best posters, as judged by an independent panel of experts. IFHTSE's **Tom Bell Young Author Award**, sponsored by the Linde Group and which has a cash value of the order of EUR 1,500, will also be available. Eligible papers must be presented in person by the candidate author. In the case of a paper with multiple authorship, therefore, an author who is a candidate for the Award must be the author named in the programme as the presenter (though not necessarily the first-named author of the paper); the candidate must be aged 35 or less on the first working day of the Congress; prospective candidates should indicate their interest when submitting a paper.

## Deadlines

- Submission of abstracts: **14 November 2014**
- Notification of acceptance: **19 December 2014**
- Preliminary Program: **19 January 2015**
- Submission of full papers: **20 March 2015**



## Registration fees

All registration fees are revenue stamp included

### Standard fees (*NON* members)

Regular participant:	780 € (830 € after 23 April 2015)
Speaker/ Session chairperson:	690 €
Student:	350 €

### AIM member fees

Regular participant:	650 € (700 € after 23 April 2015)
Speaker/ Session chairperson:	560 €
AIM junior members:	free

### Accompanying person

(includes only the social events) 122 € VAT incl.

Conference Registration fees include admittance to technical sessions, Conference bag with CD-Rom proceedings, coffee breaks, lunches and the social events. For non-members the fee includes AIM Membership for the last three quarters of 2014 and for the year 2015.

In the Student fee, the social events are **not** included.

## Proceedings

The full text of the accepted papers will be published in the CD-Rom proceedings and issued to attendees on arrival at the Conference.

Certain papers may be considered for publication in the AIM journal *La Metallurgia Italiana* and in the IFHTSE Journal *International Heat Treatment and Surface Engineering*.

## Exhibition & Sponsorship

The Conference will feature a technical exhibition that will represent many areas of industry with latest equipment, facilities and instruments, products and services in the field of heat treatment and surface engineering.

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

Companies interested in taking part in the exhibition or sponsoring the Conference may contact the Organising Secretariat ([marketing@aimnet.it](mailto:marketing@aimnet.it) · tel. +39 02 76021132).

Further information on exhibition and sponsorship and the relative forms will be available on the Conference website starting from June 2014: [www.aimnet.it/ht2015.htm](http://www.aimnet.it/ht2015.htm).

## Conference venue

The Conference will be held in Venice mainland, at NH Laguna Palace (Viale Ancona 2, Venezia Mestre, Venice - Italy).

## Venice

Mestre is one of the six boroughs of the city of Venice and it is the mainland gateway to Venice Island.

Venice, "La Serenissima", holds a mystical aura and is one of the most enchanting places in the world. Built on 117 small islands in a lagoon, Venice is a unique blend of water, art and romance with exquisite canals, charming bridges, magnificent palaces and churches, and world famous landmarks rising from the water's surface up to sky.

Whether skimming over a canal on a gondola or strolling around its "calle", visiting Venice is a magical experience for everyone. It is an artistic and architectural treasure.

