

CONFERENCE  
ORGANISERS



**ASSOCIAZIONE  
ITALIANA DI  
METALLURGIA**

Via Filippo Turati 8  
20121 Milano - Italy  
phone: +39 02 76397770  
fax: +39 02 76020551  
e-mail: aim@aimnet.it  
Conference website: [www.aimnet.it/echt2019.htm](http://www.aimnet.it/echt2019.htm)

# ECHT 2019 CALL FOR PAPERS

## CONFERENCE CHAIRMAN



Enrico Morgano  
CRF - an FCA Company, Italy

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## Organised by



**ASSOCIAZIONE  
ITALIANA  
DI METALLURGIA**

## In cooperation with



# SAVE THE DATE



# HEAT TREATMENT & SURFACE ENGINEERING FOR AUTOMOTIVE

## 5-7 JUNE 2019

**Bardolino**  
Garda Lake - Italy

[www.aimnet.it/echt2019.htm](http://www.aimnet.it/echt2019.htm)

The Conference will be held at the Hotel Caesius Thermae & SPA Resort in Bardolino (Verona), via Peschiera 3.

### LAKE GARDA AND BARDOLINO

Along the shores of Lake Garda the landscape is soft, cadenced by charming villages that maintained their typical characteristics and personality, and dominated by vines and olive groves. Bardolino land and the adjacent areas offer lots of attractions that vary from historical to cultural to natural attractions, all to be visited, while the beaches and the theme parks of Gardaland, Movieland and all others promise pure fun. You'll have the chance to practice your preferred sport choosing among golfing, biking and mountain biking, walking, trekking, windsurfing, sailing, horseback riding, hang gliding, and playing tennis. Lake Garda influences also the local cuisine and the wine and food traditions. The most typical and characteristic element is the extra-virgin olive oil, famous for its light and delicate taste which combines perfectly with lake fish and with meats and polenta from the farming traditions. Excellent combination for every dish is the high quality wine produced by Garda wine-growers: Bardolino red and Lugana white. There are different itineraries that run across the wine producing areas, leading visitors in a journey at the discovery of the flavours and fragrances of the land. The vicinity with Verona, which can be reached in less than 30 minutes, will allow you to be immersed in an atmosphere where art and history merge in a continuous and fascinating relationship: the Arena, Piazza delle Erbe, Castelvecchio and the Basilica of San Zeno. Other historical cities near Lake Garda with world unique monuments are Mantua, Vicenza, Padua and Venice.

# ECHT 2019

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### TOPICS

Following the successful Conference organised in 2015 in Venice, the Italian Association for Metallurgy (AIM) is proud to announce the ECHT 2019 Conference, with focus on Automotive, that will be held in the beautiful Bardolino on Garda Lake on 5-6-7 June 2019.

Prospective authors wishing to present papers are invited to submit a tentative title and an abstract 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

### EXHIBITION & SPONSORSHIP

The Conference will feature a table-top 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 table-top exhibition or sponsoring the Conference may contact the Organising Secretariat ([aim@aimnet.it](mailto:aim@aimnet.it)).



# ECHT 2019

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### 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)) **by December 19, 2018**. 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 number 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/echt2019.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.

The Conference language will be English.

### DEADLINES

|                               |                         |
|-------------------------------|-------------------------|
| Submission of abstracts:      | <b>19 December 2018</b> |
| Notification of acceptance:   | <b>31 January 2019</b>  |
| Preliminary Program:          | <b>15 February 2019</b> |
| Opening of the registrations: | <b>15 February 2019</b> |
| Submission of full papers:    | <b>12 April 2019</b>    |

### PROCEEDINGS

The full text of the accepted papers will be published in the electronic proceedings and issued to attendees on arrival at the Conference. 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 Index Expanded by Thomson Reuters and in Scopus by Elsevier B.V.

