EXHIBITION & SPONSORSHIP OPPORTUNITIES
As an integral element of the event, ICS 2018 will feature an Exhibition that will enable excellent exposure for company products, technologies, innovative solutions or services. At this opportunity the Organizers will set an area strategically located. This area will be a focal point of the Congress, so that enough time will be available to guarantee a perfectly targeted potential customer’s environment. Companies will be able to reinforce their participation and enhance their corporate identification by taking advantage of the benefits offered to them as Sponsor of the Congress. Companies interested in exhibiting and/or sponsoring the event may contact SIDERWEB:
e-mail: commerciale@ siderweb.com
tel: +39 0302540006 - fax +39 0302540041.

COOPERATING ORGANISATIONS
- Austrian Society for Metallurgy and Materials
- Brazilian Metals and Materials Association
- Centro Nacional de Investigaciones Metalúrgicas
- Centre de Recherches Métallurgiques
- The Chinese Society for Metals
- Croatian Metallurgical Society
- Czech Steel Federation
- DVM, German Association for Materials Research and Testing
- Fédération Française de l’Acier
- Hungarian Mining & Metallurgical Society
- The Institute of Materials, Minerals and Mining
- International Stainless Steel Forum
- The Iron and Steel Institute of Japan
- Jernkontoret
- Korean Institute of Metals and Materials
- The Minerals, Metals & Materials Society
- Société Française de Métallurgie et de Matériaux
- Steel Institute VDEh

CONGRESS VENUE
The Conference will be held in Venice Mestre mainland, at NH VENEZIA CONGRESS CENTER - Laguna Palace (Viale Ancona 2, 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, “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.

ICS 2018 Organising Secretariat
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7TH INTERNATIONAL CONGRESS ON SCIENCE AND TECHNOLOGY OF STEELMAKING
THE CHALLENGE OF INDUSTRY 4.0
13-15 June 2018
Venice - Italy

1ST ANNOUNCEMENT - CALL FOR PAPERS
Organised by: ASSOCIAZIONE ITALIANA DI METALLURGIA
In cooperation with by: siderweb
www.aimnet.it/ics2018.htm
INTRODUCTION
The 7th International Congress on Science and Technology of Steelmaking (ICS 2018) will be organized by AIM, the Italian Association for Metallurgy, in Italy in June 2018.
ICS 2018 will provide a forum for researchers and manufacturers involved in the scientific and technical developments of steelmaking.
This meeting is aimed at creating an opportunity for a technical exchange at an international level among the numerous experts involved in the steelmaking.
AIM will host as an integral part of ICS 2018 its traditional Conference on Heat Treatments - XXVI Convegno Nazionale Trattamenti Termici - which will start on 13 June, with a whole day in Italian language for Italian technicians and researchers and will go on the following days with technical sessions exclusively in English language. Therefore the topics of ICS 2018 will be integrated with the topics of Heat Treatments and Surface Engineering.
We kindly invite you to participate in ICS 2018 and are looking forward to meeting you in Venice!

TOPICS
The following general topics will be involved in the program of ICS 2018:

Science & Technology in Steelmaking
- Fundamentals of Steelmaking
- Thermodynamics
- Thermophysical properties, Thermochemistry & Kinetics
- Solidification
- Slags and fluxes
- Process modelling and Process control
- Sensors, Measurement & Process characterisation
- Electric arc furnace
- Basic Oxygen Furnace
- Primary and secondary steelmaking
- Continuous casting
- Refractory
- Quality
- Sustainability & Environment, Recycling and use of by-products
- Industry 4.0
- Automation

Heat Treatment & Surface Engineering
- 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
- Tribology and tribological testing methods
- Wear and wear protection
- Modelling 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
- Cryogenic treatment
- Mechanical properties

ICS 2018 BACKGROUND
1996 Japan
2001 United Kingdom
2005 USA
2008 Japan
2012 Germany
2015 China

INTERNATIONAL ADVISORY BOARD
(to be completed)
Chairman: prof. Carlo Mapelli - Politecnico di Milano, Italy
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Sweden
- Seshadri Seetharaman - Royal Institute of Technology

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- Rob Boom - Delft University of Technology

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- Brian G. Thomas - University of Illinois

ORGANIZING COMMITTEE

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Gabriele Rampinini - Forgiatura A. Vienna, Italy - President of AIM Forge Technical Committee

CALL FOR PAPERS - ABSTRACT SUBMISSION
Prospective authors wishing to present papers are invited to submit a tentative title and an abstract of about 300 words (in English), specifying a maximum of two topics for each proposal, to the Organising Secretariat (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. A poster session might be organized as well.

DEADLINES
Deadline for submission of abstracts: January 31, 2018
Information on Acceptance: February 28, 2018
Opening of the online registration: February 28, 2018
Deadline for Full Paper Submission: April 16, 2018

LANGUAGE
The official language of the Congress will be English.

PROCEEDINGS
The full texts of all papers will be published in the electronic form proceedings and issued to delegates on arrival at the Congress. A selection of the best papers will be also published in “La Metallurgia Italiana - International Journal of the Italian Association for Metallurgy” - the scientific journal of AIM, or in “Ironmaking and Steelmaking: Processes, Products and Applications”, published by Taylor & Francis on behalf of the Institute of Materials, Minerals and Mining (IOM3). Both journals are covered in the Science Citation Index Expanded by Thomson Reuters and in Scopus by Elsevier B.V.