



INTERNATIONAL WORKSHOP

HSS

HIGH STRENGTH STEELS

Bergamo · Italy, 26-27 October 2023

www.aimnet.it/hss23.htm

Increasing demand from the structural, energy, vehicles applications as well as oil & gas sector has boosted the rapid growth of the market for High Strength Steels. Steel manufacturers are constantly seeking the possibility of increasing strength, maintaining good toughness and weldability. Such a goal can be achieved by several routes: micro-alloying, advanced thermal treatment (i.e. intercritical quenching, bainitic quenching, quench and partitioning procedure etc.), high alloying by Mn and Al, thermo-mechanical processing. The scope of the workshop is to bring together the international community to highlight state-of-the-art research and development of such steel grades.

MAIN TOPICS

Both fundamental and applied aspects will be covered concerning:

- Alloying design
- HSLA steels
- AHSS
- Advanced heat treatment
- Thermo-mechanical processing

The workshop will be performed through presentations both invited and selected on the basis of the submitted abstracts. The event will be a suitable meeting place for those involved in research, development and applications of HSS, interested to share recent advances on metallurgical design, set-up of production routes, paying attention to surface and inner quality, properties of HSS products. The deadline for abstract submission is July 14, 2023 in order to fulfil the selection for the final program.

WORKSHOP CHAIRPERSON

Ettore Anelli – Franchini Acciai
Ilchat Sabirov – IMDEA Materials Institute

ORGANISING COMMITTEE

Silvia Barella – Politecnico di Milano
Federica Bassani – AIM
Manuele Dabalà – Università di Padova
Andrea Di Schino – Università di Perugia
Carlos Garcia-Mateo – CENIM-CSIC
Carlo Mapelli – Politecnico di Milano
Roumen Petrov – University of Ghent
Marina Polyakova – Nosov Magnitogorsk State Technical University
Dirk Ponge – Max Planck Institute

CALL FOR PAPERS & PROCEEDINGS

Prospective speakers wishing to present are invited to submit a tentative title and an abstract of about 400 words (in English) to: met@aimnet.it or online at: www.aimnet.it/hss23.htm **by July 14, 2023.**

A special number of “La Metallurgia Italiana – International Journal of the Italian Association for Metallurgy” – which is covered in the Science Citation indexed by Clarivate Analytics, and in Scopus by Elsevier B.V – will collect the peer-reviewed submitted Workshop’s papers.

ORGANISING SECRETARIAT



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