Submission of papers

All paper proposals must be submitted online. Please visit:
www.metec-estad2023.com and go to the Call for Papers section.
There you will find an easy to use online submission form.
Your abstract can be a maximum of 300 words.
Please note that papers will only be accepted online.

Language

The conference language is English.

Deadline

Please submit your abstracts by 31 January 2023 at the very latest. All abstracts will be refereed by the scientific international experts. In the case of too many submissions, abstracts of equal quality will be accepted on a first come, first serve basis.

Paper proposal submission

To submit an abstract, please proceed as follows:
1) Write your abstract (max. 300 words).
2) Submit your abstract online at: www.metec-estad2023.com
   > Call for Papers section (please completely fill out all fields).
3) Papers must be submitted in English.
4) All papers must focus on best practices.

Important dates

31 January 2023	Abstract submission deadline.
January/February 2023	Scientific international experts will evaluate submitted abstracts.
February 2023	Paper proposers will be informed about decision of the Scientific international experts. Delivery of authors guidelines.
28 April 2023	Full paper submission deadline.
30 May 2023	PowerPoint presentation slides deadline.
12 – 16 June 2023	METEC & 6th ESTAD 2023

www.metec-estad2023.com

Host

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In Cooperation with

The Austrian Society for Metallurgy and Materials (ASMET), Austria
The Swedish Steel Producers Association (Jernkontoret), Sweden
Associazione Italiana di Metallurgia (AIM), Italy

Venue

CCD Congress Center Düsseldorf | DüsseldorfCongress Veranstaltungsgesellschaft mbH | Stockumer Kirchstraße 61
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Travel

Düsseldorf is easily reachable by plane to Düsseldorf International Airport (DUS), railway or car. The CCD Congress Center Düsseldorf is set on the bank of the Rhine and linked to Messe Düsseldorf exhibition center.

Compliance Rules

The Steel Institute VDEh and all cooperating organizations are committed to adhering strictly to all applicable antitrust laws. Within the context of METEC & 6th ESTAD it is strictly prohibited to discuss competitively sensitive subjects such as price-fixing agreements or agreements on quantities.

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METEC & 6TH ESTAD 2023

Düsseldorf, Germany

CCD Congress Center Düsseldorf

12 – 16 June 2023

Call for Papers

IRONMAKING

...accompanying
the METEC Trade Fair.

METEC | Stahl | Messe Düsseldorf

www.metec-estad2023.com

About ESTAD 2023

Only those who continue to develop their business remain competitive. The prerequisite for this development means being constantly informed about the latest and most sophisticated technological advances, exchanging ideas and initiating and expanding networks with clients, partners and suppliers. With the accompanying METEC conference 6th European Steel Technology and Application Days 2023 (6th ESTAD 2023) the Steel Institute VDEh offers visitors the perfect opportunity to reach these objectives. At this event you will acquire the latest information on new ideas and developments as well as on the state-of-the-art in metallurgical process technologies iron and steel production, steel materials and steel application:

Main Topics:

- IRONMAKING
- STEELMAKING
- ROLLING AND FORGING
- STEEL MATERIALS AND THEIR APPLICATION, ADDITIVE MANUFACTURING, SURFACE TECHNOLOGIES
- CO_2 MITIGATION, ENVIRONMENTAL AND ENERGY ASPECTS
- INDUSTRY 4.0

IRONMAKING

Cokemaking
- Fundamentals in cokemaking
- Coal blending practise
- Latest developments in slot oven plant technology and design
- Latest developments in heat recovery oven plant technology and design
- New cokemaking technologies
- Coke oven repair techniques and life prolongation
- Measures for improving coke quality
- Measurement of wall displacement and pressure of coke oven chamber
- Coke plant operation, instrumentation and automation
- Improving productivity and safety
- Stamp charging technology
- Coke oven gas cleaning and utilization of by-products
- Graphite formation at coke ovens
- Coke quenching technologies
- Coke oven refractories
- Alternative use of coke oven gas
- New coking plants

Sintering and pelletising
- Chemical analysis and raw materials testing
- Fundamentals in sintering
- Sinter plant construction and layout
- Sinter process optimisation
- Sinter plant operation and automation
- Use of concentrates in sinter mix
- Sinter quality
- Sinter cooling
- Sinter plant waste gas cleaning
- Energy recovery and use in sinter plants
- Fundamentals in pelletising
- Pellet plant construction and layout
- Pellet plant operation and automation
- Production of acid and fluxed pellets
- Use of hematite and/or magnetite pellet feed for pellet production
- Pellet qualities and coating of pellets
- Reduction of pellets under different conditions
- Briquettes

Blast furnace ironmaking
- Overview on blast furnace operation
- Fundamentals in blast furnace ironmaking
- Hot metal pretreatment
- Blast furnace construction and design
- Blast furnace process optimization and automation
- Modern process control techniques and models
- Blast furnace relinings
- Blast furnace campaign life extension
- Blast furnace refractories and cooling
- Blast furnace charging
- Blast furnace productivity
- Blast furnace hearth management
- Hot metal and slag quality
- Coke quality requirements and reduced coke rates
- Injection of auxiliary reductants (coal, oil, gas, plastics) and oxygen
- Hot blast stoves and blowers
- New blast furnaces
- Blast furnace liquid management and casting practice
- Gas cleaning devices
- Top gas expansion and recovery turbines
- Oxygen and top gas recycling blast furnace
- Alternative blast furnace processes
- Injection of hydrogen and biomass

Direct reduction and smelting reduction
- Fundamentals in direct reduction and smelting reduction
- Production and use of DRI and HBI
- Gas-based DRI processes and new developments
- Hydrogen based DRI processes
- Coal-based DRI processes and new developments
- Transport and charge of hot DRI to electric arc furnaces
- Shipment of DRI and HBI
- Current status of Corex and Finex processes
- Status of Hlsarna process
- Other smelting reduction processes

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