

## SUBMISSION OF PAPERS

All paper proposals must be submitted online. Please visit: [www.metec-estad2023.com](http://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](http://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 & 6<sup>th</sup> ESTAD 2023

[www.metec-estad2023.com](http://www.metec-estad2023.com)

## HOST

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[www.vdeh.de](http://www.vdeh.de)

## ORGANIZATION

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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  
40474 Düsseldorf | Germany | [www.duesseldorfcongress.de](http://www.duesseldorfcongress.de)  
Phone: +49 211 4560-8401 | Fax: +49 211 4560-8556

## 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 & 6<sup>th</sup> ESTAD it is strictly prohibited to discuss competitively sensitive subjects such as price-fixing agreements or agreements on quantities.

[www.metec-estad2023.com](http://www.metec-estad2023.com)



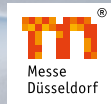
# METEC & 6<sup>TH</sup> ESTAD 2023

**DÜSSELDORF, GERMANY**  
CCD CONGRESS CENTER DÜSSELDORF  
12 – 16 JUNE 2023

## CALL FOR PAPERS

**CO<sub>2</sub> MITIGATION, ENVIRONMENTAL AND ENERGY ASPECTS**

...accompanying  
the METEC Trade Fair.



[www.metec-estad2023.com](http://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 6<sup>th</sup> European Steel Technology and Application Days 2023 (6<sup>th</sup> 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<sub>2</sub> MITIGATION, ENVIRONMENTAL AND ENERGY ASPECTS

INDUSTRY 4.0

### CO<sub>2</sub> MITIGATION, ENVIRONMENTAL AND ENERGY ASPECTS

#### CO<sub>2</sub> mitigation in iron and steelmaking

- Target for reaching green steel production in different regions of the world
- Smart carbon usage technologies
- CO<sub>2</sub> capture in iron and steelmaking processes
- CO<sub>2</sub> storage and use from iron and steelmaking
- Energy management systems
- Use of CO<sub>2</sub> from process gases for new products
- Carbon direct avoidance technologies
- Use of biomass and biofuels

#### Environmental and energy aspects in iron and steelmaking

- BAT in iron and steelmaking
- Regulations on clean air
- Mitigation of SO<sub>2</sub>, NO<sub>x</sub>, dust and dioxin emissions
- Energy savings and energy efficiency optimization
- Use of waste gas and waste heat
- Use of secondary raw materials and wastes in iron and steelmaking
- By-product management in iron and steel production
- Improvement, treatment and usage of iron and steelmaking slags
- Zero waste approach
- Water cascades and recirculation
- Recovery of process chemicals
- Examination and remediation of contaminated sites
- New and alternative technologies