



Announcement & Call for Abstracts



20 years together



FOR GREEN STEEL

3rd INTERNATIONAL CONFERENCE

meets



A CIRCULAR ECONOMY DRIVEN
BY THE EUROPEAN STEEL



Tue 29 – Thu 31 October 2024
voestalpine Stahl, Linz, Austria

voestalpine

ONE STEP AHEAD.

ESTEP Annual Event 2024

The Scope

Estep 2024 Event aims at bringing together the European steel community to discuss two pillars of the Clean Steel Partnership towards C-lean processes: the hydrogen exploitation and the circular economy application. Achievements, challenges and future expectations will be analysed thanks to contributions from different European steelmaking actors and to the presentations of current CSP projects. The event will allow the steel sector to meet other industrial sectors involved in the European Green Deal which are active actors in industrial symbiosis (e.g. cement, water and aluminium)

The Event will include a tour of voestalpine Linz steelmaking plant and a celebration of 20th year of ESTEP foundation.

The Topics

- Hydrogen based steelmaking
 - Opportunity and limits
 - Operating conditions challenges and optimization
- Hydrogen heating technologies in downstream metal processes
- Hydrogen exploitation safety and permitting
- Renewable energy and hydrogen integration
- The new challenges for the circular economy due to the transition from traditional to C-lean production processes
- Industrial Symbiosis and sector coupling
- Residue management and valorization
- Circular economy regulations
- Digitalization, upskilling and social innovation

Duration, venue and facility visit

The three-day event (29-31 Oct) will take place in person at voestalpine Stahl Linz, first floor, voestalpine-Straße 3 4020 Linz, Austria. The morning of the first day (29 Oct) will be dedicated to a plant tour.

Scientific Committee

Agnieszka Morillon (FEhS)
Bernhard Voraberger (Primetals)
Enrico Malfa (Tenova)
Ismael Matino (Scuola Superiore Sant'Anna)
Marten Sprecher (HKM)
Thomas Buergler (voestalpine)
Thomas Echterhof (RWTH Aachen University)
Valentina Colla (Scuola Superiore Sant'Anna)

Organising Committee

Akhilesh Swarnakar (ESTEP)
Claudia Leimhofer (voestalpine)
Delphine Snaet (ESTEP)
Ismael Matino (Scuola Superiore Sant'Anna)
Karin Aussersdorfer (voestalpine)
Klaus Peters (ESTEP)
Ulrike Redl (voestalpine)

Abstract submission

Authors wishing to present a contribution are asked to prepare maximum 500 words or two-page abstract including figures and references. Please submit the abstract by 8 September 2024 to ESTEP via e-mail: D.Snaet@estep.eu. In addition, please indicate the topic and the intention (or not) to submit a paper for the dedicated special issue.

Dedicated special issue

A dedicated special issue will be announced soon.

Sponsorship Opportunities

Sponsorship is always welcome. Members of ESTEP interested in sponsoring the event (cost 1,200 € and above) are invited to contact the ESTEP Secretariat via e-mail: D.Snaet@estep.eu

Participation Fee and Registration

Plant tour: 50 € (Students 25 €)

-Two options: blast furnace + automotive components or automotive components and H₂ electrolyzer
For organizational reasons only first 100 (50 per option) registered people will be admitted to the Plant tour

All in one – conference+catering+dinner+sightseeing: 310 € (Students 150 €)

Speakers/Invited people: Free (only one speaker/invited person per contribution is free)

For students a short motivation email - half a page – has to be produced and sent to Ms. Delphine Snaet, D.Snaet@estep.eu. In addition, the student status (i.e. bachelor, master and PhD) must be certified.

Fee is used by ESTEP for conference/visit organization as well as generation, provision of the abstract booklet and related publications.

Key Dates & Deadlines

Abstract submission	8 September 2024
Abstract selection, sharing of presentation template and info	27 September 2024
Sponsorship	4 October 2024
Program publication	4 October 2024
Registration	16 September - 21 October 2024
Presentation submission	25 October 2024
Plant tour + Conference + ESTEP Celebration 20 th anniversary	29 October 2024
Conference + Sightseeing + Dinner	30 October 2024
Conference (including HylInHeat clustering session) + Farewell Greetings	31 October 2024

Information and contact

For information, contact the ESTEP Secretariat, Ms. Delphine Snaet - D.Snaet@estep.eu