Announcement of a Special Session on:

"Corrosion properties of stainless steel- seen from an engineering perspective"

EUROCORR
THE ANNUAL CONGRESS OF THE EUROPEAN FEDERATION OF CORROSION
PRAGUE 2027
23TH INTERNATIONAL CORROSION CONGRESS
ICC PRAGUE2027

Don't forget…abstract submission deadline: January 31, 2027!

Why this session

Recent years have brought new families of corrosion-resistant alloys, including modern duplex and super austenitic grades, offering new choices but also challenges for implementation. Choosing the right alloy is only half the story. Corrosion behaviour depends not just on chemical composition but on the final condition of the material, shaped by fabrication, processing, and surface treatment.

What we will cover

The workshop will focus on practical, application-oriented knowledge.

- Relative performance: how stainless steels compare with other corrosion-resistant materials.
- New materials: emerging alloy families and their corrosion behaviour.
- Composition and properties: how alloying elements shape corrosion resistance.
- Testing and specification: methods for evaluating and specifying corrosion-resistant materials.
- Fabrication effects: how processing, including pickling and strength level, influences application properties.
- Pre-treatments: approaches to improve performance in harsh environments.

We welcome researchers, materials and corrosion engineers, fabricators, end users, and specification writers.

Session organisers:

Václav Šefl, University of Chemistry and Technology, Prague

Ulf Kivisäkk, Alleima, Sandviken

Dirk Engelberg, The University of Manchester

Saman Hosseinpour, Outokumpu

Expected duration: 1 day

Expected audience: 50-80 persons

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The European Corrosion Congress

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Please submit your abstract online via www.eurocorr.org before the end of January 2027. We are looking forward to your contribution & participation in EUROCORR & ICC 2027 (September 12-16, 2027, Prague, Czech Republic)!