Announcement of a session on "Mechanisms, Modelling and Methods (3M)"

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!

This joint session of WP 6 (Surface Science and Mechanisms of Corrosion and Protection) and WP 8 (Corrosion Testing Methods and Data Management) brings together researchers working across fundamental corrosion science, advanced experimental methods and data-driven innovation. The session aims to showcase how robust/innovative experimental, analytical and digital approaches establish deeper mechanistic understanding of corrosion and mitigation strategies, enabling key challenges to be addressed.

Contributions are invited on topics including operando, in-situ and high-throughput methods, corrosion imaging, electrochemical and surface analytical techniques, modelling, uncertainty quantification, data management, interoperability and machine learning. Emphasis is placed on studies that combine experimental observations with mechanistic insights, modelling and data analytics. Work involving large-scale research facilities (e.g., synchrotrons), novel analytical methodologies, and the integration of experiments, modelling and data science across multiple length and time scales are especially welcome.

Session organisers:

Robert Lindsay
The University of Manchester, UK
WP 6 – Surface Science & Mechanisms of Corrosion & Protection

Noémie Ott
Eastern Switzerland University of Applied Sciences (OST), CH
WP 8 – Corrosion Testing Methods & Data Management

Expected duration: >3 days

Expected audience: 50-100 persons

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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)!