Announcement of a session on "Corrosion and Corrosion Protection of Additive Manufactured Metals for Biomedical Applications"

EUROCORR DUBLIN 2026
EUROPEAN CORROSION CONGRESS

Don't forget…abstract submission deadline: January 16, 2026!

Additive manufacturing (AM) of metals for biomedical applications is by now a well-established concept as the design freedom and patient specific printing of implants is of high value and interest. Products with complex shapes, scaffolds, gradient compositions and structural features and even biodegradable metals can be made by AM, just to mention a few AM advantages.

Due to the unique microstructures of the AM metal alloys, bulk and surface properties are however generally quite different than the ones we know from the conventionally produced biometals. Some of those open questions are corrosion resistance and surface functionalizing behaviour in the complex physiological environment.

In this session, we welcome presentations on the corrosion mechanisms of AM materials microstructure and 3D-printed component surfaces obtained by the various AM methods for applications in the biomedical field as well as their corrosion protection strategies.

Session organiser(s):

Patrik Schmutz

TF – Corrosion of Medical Implants and Devices

Iris De Graeve

TF – Corrosion and Corrosion Protection of Additive Manufactured Metals

Expected duration: 0.5 days

Expected audience: 30-50 persons

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Please submit your abstract online via www.eurocorr.org before the deadline. We are looking forward to your contribution and participation in EUROCORR 2026, on September 6-10, 2026, in Dublin, Ireland!