

Corrosion and corrosion protection of additively manufactured metals

Chairs: Iris De Graeve, Reynier Revilla

In this session we welcome all contributions dealing with surface properties, with the main one of course **CORROSION**, and **surface treatments for the creation of enhanced properties** on additive manufactured metals. As AM metals have unique, often non described and out of equilibrium microstructures, the properties of the AM metals are totally different than those of conventionally produced metals even if the feedstock alloy is exactly the same in composition. This implies that these properties need to be closely studied and that surface treatments need to be adapted.

AM is being used and/or considered in many industrial fields of applications, including marine, aerospace, automotive, energy storage and transport, oil and gas... and many properties need to be assured. Contributions in all these industrial sectors are very welcome! The presentations dedicated to biomedical applications can also be submitted in the dedicated *AM for biomedical session* that is closely related to this general AM session.