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Session: "Corrosion and corrosion protection of additive manufactured metals"

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In many industrial sectors, additive manufacturing (AM) of metals is receiving a lot of interest due to the design flexibility of products, weight savings by optimized design, shorter lead times for production, no need for extensive assembly, possibility for AM as repair operation etc, just to mention a few of the AM advantages. Knowing however that by AM generally very different microstructures are created compared to the conventional ones in casting, rolling or extrusion, new challenges arise when it comes to the metal properties, with corrosion of course as a critical one in many industrial applications. In this AM session we welcome presentations dealing with corrosion and corrosion protection of additive manufactured metals made by all possible AM techniques and for various applications. If your work is aimed at biomedical applications, there is a dedicated joint session on "AM for biomedical applications"; for all other fields of application: welcome!