



Announcement of a joint session of WP 3 and WP 4 on “Corrosion in molten salts and ionic liquids for energy applications”

Molten salts and especially their impurities often play a major role in the material degradation in many industries and processes such as nuclear and concentrated solar power (CSP). Additionally, due to currently used heterogeneous fuels, salt-containing deposits with low melting temperatures have become a key factor in high-temperature corrosion in combustion-based power production. Regardless of the industrial application, material degradation has to be taken into account in inspection and maintenance costs. Therefore, optimised process conditions and more durable materials are imperative to hinder the consequences of corrosion. For this, more information addressing molten salt-induced corrosion and the role of impurities in it is needed for a comprehensive fundamental understanding and improved material feasibility, lifespan prediction, and maintenance concepts.

The aim of this joint session is not only to bring together academics and industrials concerned with material subjected to degradation by molten salts but also to gather scientists and engineers from different industry sectors. Regardless of the varying structural materials and heat-transfer media in different industrial applications, the approaches and methods used to gain new insights on the molten salt-induced corrosion may be of interest to different kinds of industries and academic fields.

The joint session intends to collect oral and poster presentations on high-temperature corrosion in nuclear, CSP, and other power production industries with the focus on the role of molten salts and ionic liquids. Please submit your abstract online via www.eurocorr2021.org before the end of January 2021.

We are looking forward to your contribution and participation in EUROCORR 2021 “Materials science and advanced technologies for better corrosion protection”, on September 19-23, 2021, in Budapest, Hungary.

Juho Lehmusto & Mathias Galetz

WP 3 – Corrosion by Hot Gases and Combustion Products;

https://efcweb.org/Scientific+Groups/WP3+_Corrosion+by+Hot+Gases+and+Combustion+Products-p-16.html

Laure Martinelli & Stefan Ritter

WP 4 – Nuclear Corrosion; <https://efcweb.org/WP4.html>

Expected duration: 1 day

Expected audience: 30-50 attendees