Joint Session on "Accelerated Atmospheric Corrosion Testing – Exchange Platform for Advanced Methods"

Being strongly encouraged by the high attendance and success of the joint session on "Accelerated Atmospheric Corrosion Testing" at EUROCORR 2017 in Prague we would like to invite you to join the next edition of the event at the EUROCORR 2018 in Krakow. The need for further intensification of the exchange of experiences on accelerated and cyclic corrosion testing between OEMs and their supply chain, SMEs and the producers of testing facilities was clearly identified during the discussion. Combining it with relevant progress from academia in terms of mechanistic understanding and modelling is also essential.

In the next step during the Joint Session at EUROCORR 2018 we would like to continue especially with sharing experience and critically reviewing obtained results on development and application of accelerated corrosion testing methods in transport industry application (automotive aerospace, railway). Contributions from other fields of application exposed to atmospheric environment (e.g. marine application, buildings, infrastructure and electronics) are also appropriate and welcome. It is intended to coordinate this session very closely with the planned new Task Force "Atmospheric Corrosion", which will organize a session devoted to recent advances on experimental and simulation work on thin film electrolytes and on relevant conditions for atmospheric corrosion.

This joint session on "Accelerated Atmospheric Corrosion Testing" will be used as a platform for exchanging experience and providing nuclei for further networking activities and addresses the following topics:

- Correlation between lab test and in service conditions
- Reviews on outdoor exposure and field reference testing as well as round robin testing.
- Critical review on chamber requirements
- Application of corrosion monitoring techniques for design of more relevant accelerated corrosion tests
- Needs for standardization
- Experimental progress on corrosion in thin electrolyte films with relevance for development of accelerated corrosion tests.
- Modelling of atmospheric condition at the micro- and mesoscale as a tool for test development
- Validation of simulation results
- Long term performance and prognostics
- Monitoring of environmental conditions during application

Please submit your abstract online via http://eurocorr.org before 16th of January 2018.

We are looking forward to your contribution and participation in EUROCORR 2018 "Applied Science with constant Awareness" September, 9-13 2018, Krakow, Poland

The session is supported by:

***WP 6: "**Surface Science and Mechanisms of Corrosion and Protection"*	*Philippe Marcus*
***WP 8:** "Physico-chemical Methods of Corrosion Testing"*	*Arjan Mol*
***WP 14:** "Coatings"*	*Wolfram Fürbeth*
***WP 17:** "Corrosion in Automotive"*	*Elizabeth Szala*
***WP 22:** "Corrosion Control in Aerospace"*	*Theo Hack*
***WP 23:** "Corrosion reliability of Electronics"*	*Rajan Ambat*
***TF** "Atmospheric Corrosion"*	*Tomas Prosek*

Expected duration: ~ 1 full day

Expected Audience: ~ 100 attendees