Announcement of Joint Session / Workshop on "Accelerated Atmospheric Corrosion Testing - The Way forward"

This workshop is foreseen as follow-up action to the joint session on "Accelerated Corrosion Testing - Science - Lab & Field" held at Eurocorr 2016 in Montpellier. This successful session has clearly shown the high need from the industrial side for more reliable accelerated corrosion test methods. It has been also quite obvious that there is still a lack in understanding of atmospheric corrosion and of the corresponding processes happening in the different phases of cyclic corrosion testing methods.

Advanced testing methods should represent the environmental conditions and may not change the dominating corrosion and degradation mechanisms. Furthermore the tests should be applicable to all relevant and new materials and protection systems. Of course this approach will compromise the achievable acceleration factors.

New accelerated methods are applied now already in industry, but there are still a lot of issues to be solved. The complexity of the test methods increases and proposed testing procedures are difficult to realize due to demanding requirements for the chambers. Investment costs are (too) high whereas specification of relevant conditions is challenging and comparison of results from different labs will be difficult to achieve.

This workshop shall be a next step in improving understanding of environmental corrosion testing, definition, developing and selection of reliable test methods. The workshop addresses:

- Correlation between lab test and in service conditions
- Long term performance and prognostics
- Reviews on outdoor exposure and field reference testing as well as round robin testing.
- Critical review on chamber requirements
- Needs for standardization
- Mechanisms of atmospheric corrosion in relevant service conditions
- Experimental progress on corrosion in thin electrolyte films
- Modelling of atmospheric condition at the micro- and mesoscale
- Modelling of atmospheric in service corrosion processes
- Validation of simulation results
- Monitoring of environmental conditions

Please submit your abstract online via www.eurocorr.org before 17 January 2017.
Besides the call for regular lectures it is intended to call/invite for several specific key note lectures.

We are looking forward to your contribution to and participation in EUROCORR 2017/20th International Corrosion Congress & Process Safety Congress 2017.

Philippe Marcus
Chair WP 6: "Surface Science and Mechanisms of Corrosion and Protection"

Elizabeth Szala
Chair WP 17: "Corrosion Control in Aerospace"

Arjan Mol
Chair WP 8: "Physico-chemical Methods of Corrosion Testing"

Theo Hack
Chair WP 22: "Corrosion Control in Aerospace"

Wolfram Fürbeth
Chair WP 14: "Coatings"

Expected duration: 1 full day

Audience: 100 attendees