

EUROCORR 2017 20th INTERNATIONAL CORROSION CONGRESS & Process Safety Congress 2017

September 3-7, 2017
Prague Congress Centre
Czech Republic



EFC Event No. 417

Announcement of workshop “Microscopy for understanding and preventing corrosion”

“Seeing is believing.”

No corrosion research group, testing laboratory or expert can work without tools allowing for visual characterization. Precise information on the material microstructure, corrosion morphology, fracture pattern, initiation site or other visual characteristics is often necessary for concluding on the mechanism of corrosion processes, reason for structure failure or optimal corrosion protection solution providing the ultimate proof needed for acceptance of any particular explanation or hypothesis.

Analytical techniques with micrometre and higher resolution went through rapid development in past years and techniques with high lateral resolution such as Raman spectroscopy, x-ray diffraction, atomic force microscopy, Auger electron spectroscopy and others are now available in many laboratories.

Modern materials with complex compositions and fine microstructures require precise characterization tools with sub-micrometre resolution. There is thus a strong need for novel imaging and analytical techniques. The goal of the workshop is to bring together producers of advanced visualization and local analytical solutions and corrosion practitioners from industrial, consultancy and expert companies as well as corrosion protection engineers and researchers to share knowledge and discuss future needs and developments.

Papers on advances in visualisation and analytical techniques, including those with very high resolution, and application of such methods in failure analyses, product development and corrosion research are invited.

The workshop will be practically oriented with focus on industry needs and relevant for both corrosion and process safety experts.

Please submit your abstract online via www.eurocorr.org before 17 January 2017.

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

Tomáš Prošek
President of the Congress

Milan Kouřil
Chairman of the Local Organizing Committee

Expected duration: ½ day

Audience: 50 – 100 attendees