

“Corrosion in Sustainable and Green Technologies“



A joint session during EUROCORR 2015
6-10 September 2015, Graz, Austria

New technologies are being introduced worldwide to reduce the consumption of fossil resources and to minimize carbon dioxide emission to the atmosphere. Besides reliable operation the safety and sustainability of these technologies have become a widely discussed issue.

Regarding corrosion, CO₂ and other dissolved gasses can interact with the materials used for compression/transportation/injection of emission gasses from combustion or other industrial processes as well as those carrying such mixtures from energy resources. Therefore, selection of appropriate materials and understanding the mechanisms that can affect integrity are key factors in order to increase the safety and reliability of such new technologies as a basis of their reliability and acceptance.

EFC WP 13 “Corrosion in Oil and Gas Production” and TF “CO₂-Corrosion” will organize a joint session within EUROCORR 2015.

The session shall provide a platform for presentation on research, case studies and information exchange about the following topics:

- CO₂-corrosion in industrial applications (e.g. CCU, EOR, sequestration, geothermal energy, molten carbonates)
- corrosion in renewable energy production
- corrosion in unconventional oil and gas resources

The session is planned for specialists in corrosion, energy, metallurgy and fabrication of metals and alloys, specialists in project design, inspectors, owners of plants and others.

The topic has a high industrial impact and thus abstracts addressing both industry needs and latest breakthroughs in fundamental R&D are welcome.

Please submit your abstract before 16 January 2015