



First announcement of the

"2nd International Workshop on Corrosion Monitoring in Nuclear Systems (Research and Applications)"

during EUROCORR'2011 (Stockholm, Sweden, 5-8 September 2011).

Scope and objectives

Even if the plant availability of nuclear power plants has increased and the radiation build-up has been effectively mitigated, corrosion continues to influence plant performance and availability. Recent examples are stress corrosion cracking attacks on type 316L stainless steel in boiling water reactors, attacks on nickel-base alloys in pressurised water reactors and irradiation-assisted stress corrosion cracking incidents in both types of reactors. Therefore, reliable observation or prediction of the corrosion behaviour of given materials is considered important for the safe and economic future operation of existing plants, which commonly are subject to life-time extension and power uprating. In addition, managing corrosion problems in future nuclear waste disposal systems is another task where reliable corrosion monitoring techniques could help to further increase safety.

After a successful workshop on "Corrosion Monitoring in Nuclear Systems" during EUROCORR' 2007 in Freiburg (Germany) and publication of a "Green Book" of the EFC (EFC Publication No. 56), a 2nd workshop will be organised during EUROCORR' 2011 in Stockholm (Sweden). This workshop is arranged to reveal the progress in corrosion monitoring research and applications reached during the last 4 years and to gather new insights in this topic. Contributions are invited covering research on or the application of any kind of corrosion monitoring or related techniques (e.g., electrochemical noise, ACPD/DCPD methods, acoustic emission, electrochemical impedance spectroscopy, monitoring corrosion potentials, activity monitoring, etc.) for all types of fission reactors (incl. secondary side), nuclear waste disposal or other industrial nuclear systems (e.g., reprocessing plants). Papers presenting more basic research on corrosion monitoring techniques are also very welcome.

Organiser: EFC WP 4 "Nuclear Corrosion" in co-operation with the ECG-COMON

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**Abstracts should be submitted to the EUROCORR'2011 website
(<http://www.eurocorr.org>) by January 31, 2011!**

The papers presented at this workshop will be published in the **proceedings** of EUROCORR' 2011 (CD-ROM). In addition, it is planned to submit selected papers (after a review process) in a special issue of a journal or an EFC Publication ("Green Book")!