

**On the occasion of the CORROSION AWARENESS DAY 2022 the EFC Working Party 4 will hold its 3<sup>rd</sup> online seminar on nuclear corrosion:**

## **Environmentally-assisted cracking of structural materials in light water reactors**

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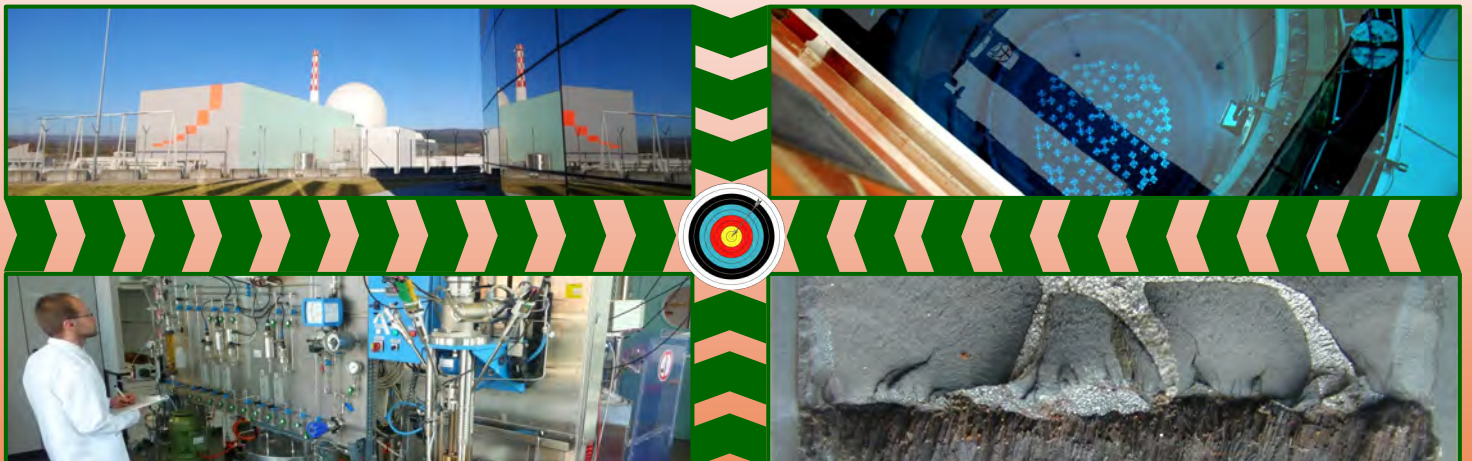
**Monday, April 25, 2022, 16:00 to 17:30 CEST (UTC+2)**

**Online via Zoom**

Please register (free of charge) to receive the link to the virtual meeting room:

[https://dechema.zoom.us/webinar/register/WN\\_G1p0jIFgQJa1ZdE5u2\\_LCQ](https://dechema.zoom.us/webinar/register/WN_G1p0jIFgQJa1ZdE5u2_LCQ)

The assurance of safe and economic long-term operation of nuclear power plants in the context of material ageing is a key topic for both nuclear power industry and nuclear safety authorities. Pressure boundary components in the primary coolant circuit of light water reactors are made of low-alloy steels, stainless steels and Ni-base alloys and are very critical components with regard to safety and lifetime. Environmentally-assisted cracking (EAC) of structural materials in pressurized (PWRs) and boiling water reactors (BWRs) is one of the biggest challenges. An accurate knowledge on the system conditions which may lead to EAC initiation and growth is thus evidently indispensable to ensure the safe and economic long-term operation in this context. In the current lecture the state-of-the-art on EAC research on primary-circuit materials in high-temperature water will be presented and discussed.



**For more activities of the WP 4, please visit [www.efcweb.org/wp4.html](http://www.efcweb.org/wp4.html) !**