

On the occasion of the **CORROSION AWARENESS DAY 2021** the **EFC Working Party 4** will hold its **2<sup>nd</sup> online seminar on Nuclear Corrosion:**

## **Journey to the heart of the corrosion processes involved in a spent nuclear fuel recycling plant**

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**Friday, April 23, 2021, 9:00 to 10:15 CEST (16:00 to 17:15 JST)**

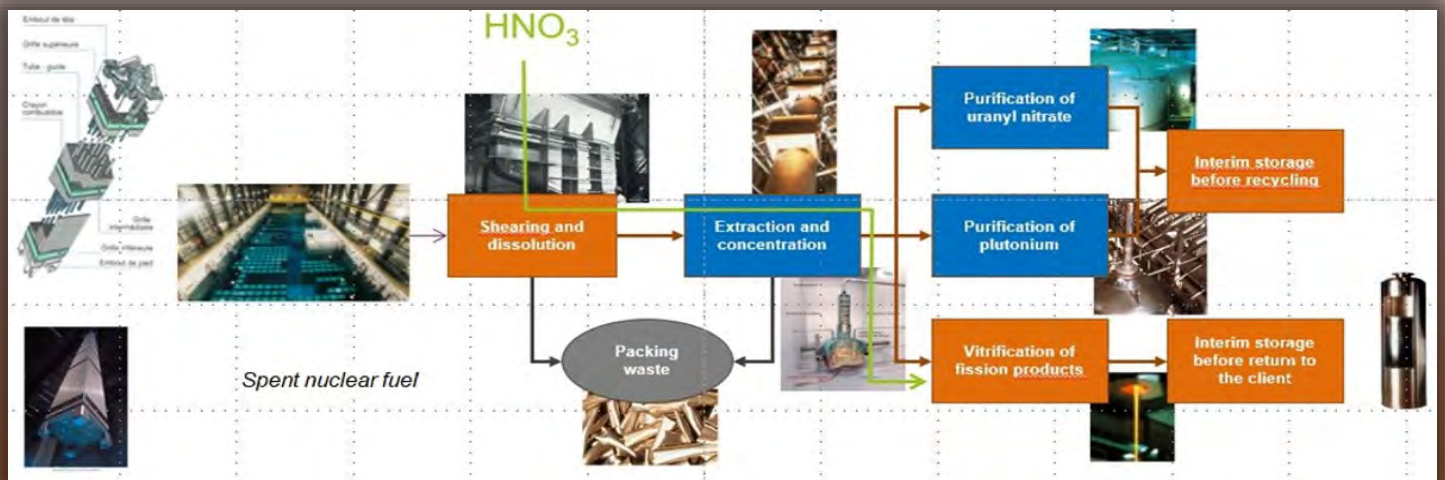
**Online via Zoom**

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

[https://dechema.zoom.us/webinar/register/WN\\_C\\_w7rSEyRhixtgMP9I0KvA](https://dechema.zoom.us/webinar/register/WN_C_w7rSEyRhixtgMP9I0KvA)

### **Abstract**

The durability and safe operation of the spent nuclear fuel recycling plant in La Hague are major industrial challenges. Among other criteria, a key point is the assessment of corrosion of the structural materials (mainly stainless steel and zirconium) in contact with the oxidizing dissolution medium (hot and concentrated nitric acid with impurities). This goal is achieved both by a continuous and precise control of the evolution of the wall thickness of the plant equipment and by a detailed investigation of the corrosion processes involved. The aim of this talk is to give an insight on both, cathodic and anodic processes occurring in such systems, including oxide film characterization and modelling results.



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