



Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)
Departament Badań Układów Złożonych (DUZ)
Wtorek: **20.02.2024, godz. 11:30**

Seminarium hybrydowe: sala 172, bud. 39 (Cyfronet, III piętro)

transmisja online: <https://www.gotomeet.me/NCBJmeetings/uz3-and-phd4gen-seminars>

Jessica Lybark, Antun Hroh
Vattenfall

Fuel outage inspections at Ringhals Nuclear Power Plant

Abstract:

Each outage the fuel and core department at the Ringhals need to verify that each fuel element is operational for the next intended cycle. This include visual inspection, fuel assembly bow and length measurement, visual inspection of the top and bottom nozzles. If we had any fuel updates or changes introduced it could also implicate new inspection or extended inspection of some sort.

The intention of this presentation is to give an introduction of these inspections and explanation to what we can detect and why this is important.

Serdecznie zapraszamy
Mariusz Dąbrowski, Tomasz Kwiatkowski

Bio:

Jessica Lybark did her master at Chalmers University of Technology, Master's program in Nuclear Science and Technology, Gothenburg. Her professional career started at Ringhals AB, at the Department of Core and Fuel Analysis. Her title is Physicist Core Analysis and Fuel Technology.

She has full responsibility of residual heat calculations, shared responsibility for criticality calculation and is part of the team that does the yearly fuel analysis during outages. She also works as a technical project manager for fuel related projects. Since 2022 she's been a board member of Young Generation Sweden.

She's a co-author of the paper CONFIRMATION OF DESIGN IMPROVEMENT FOR FUEL ASSEMBLY BOW MITIGATION - TopFuel Conference 2021.

Antun Hroh is a Senior Physicist, Core and Fuel Management at Ringhals AB. BSc Chemical Engineering with Engineering Physics (Chalmers University of Technology).

Mainly he works as a Project Manager with licensing and implementation of new nuclear fuel types. During yearly outage's he works with assessments of nuclear fuel inspection results. His work also includes gathering and sharing of experience considering operation of nuclear fuel, mainly through TUG (The Utility Group).