



**Seminar: Division of Nuclear Energy and Environmental Studies (UZ3)
Department of Complex Systems (DUZ)
Tuesday: 18.02.2025, 11:30 AM**

Hybrid seminar: room 172, building 39 (Cyfronet, 3rd floor)

Online broadcast: <https://www.gotomeet.me/NCBJmeetings/uz3-and-phd4gen-seminars>

Speaker: in person

Jacek Kałowski
NCBJ

**Summary of MARIA Research Reactor historical reliability data
analysis**

Abstract:

The scope of the presentation is the summary of analysis performed on the historical reliability data of MARIA Research Reactor that spans the last 25 years of operation. The data contains information on failures of reactor Systems, Structures and Components (SSC). Results of statistical modeling of the data are presented. They are compared to available industry databases like US NRC for Nuclear Power Plants and IAEA Research Reactor database. Advanced statistical models (Crow-AMSAA) are used to investigate aging behavior of analyzed systems.

You are cordially invited,
Tomasz Kwiatkowski, Mariusz Dąbrowski

Bio:

Jacek Kałowski – Author has almost 15 years of experience as a reliability and safety engineer from various industries, including automotive, defence, semiconductors and oil&gas. In NCBJ he serves as a safety analysis specialist.