



**Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)
Departament Badań Układów Złożonych (DUZ)**

Wtorek: **03.12.2024, godz. 11:30**

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

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

Speaker: online

Karol Kowal
NCBJ

**On how to integrate safety and reliability studies of HTGR-based
nuclear-chemical plants**

Abstract:

The presentation will cover probabilistic safety and reliability studies for the foreseen HTGR-based nuclear-chemical facilities. It will introduce a new framework integrating the mutual dependence of nuclear and chemical systems into safety analyses, emphasizing its relevance to the licensing process and the implementation of HTGRs into the Polish chemical industry.

Serdecznie zapraszamy
Tomasz Kwiatkowski, Mariusz Dąbrowski

Bio:

Dr inż. Karol Kowal - An assistant professor and project manager at NCBJ, a degree in Nuclear Physics from AGH University and a PhD in Electrical Engineering from Lublin University of Technology. His current research focuses on safety, reliability, and risk-informed decision-making for nuclear facilities.