

Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)
Departament Badań Układów Złożonych (DUZ)
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**Probabilistic Safety Assessment: state of the art and
approach to address multiple hazards**

Abstract:

For a long period of time Probabilistic Safety Assessment (PSA) for Nuclear Power Plants were performed using Fault Tree (FT) and Event Tree (ET) technique. This technique has its pros and cons as any other currently used methodology. After Fukushima Daiichi accident problem with addressing multiple hazards had arrived and many scientists are trying to address it with new approaches for example Bayesian techniques.

During the presentation a pros and cons of a commonly used FT and ET approach will be discussed and a possibility to combine the two techniques with the Bayesian Belief Networks will be proposed in order to better address the multiple hazards within the PSA studies.

Serdecznie zapraszamy,
M. Dąbrowski, T. Kwiatkowski