



Tamas Siklossy

PSAM12 Speaker Bio

External Events PSA for the Spent Fuel Pool of the Paks NPP

Short Statement: I'm one of the authors.

BIOGRAPHY

Mr. Siklóssy is a research fellow in the Risk Assessment Division of NUBIKI. He has got experience in system reliability analysis for the VVER 440/213 units of the Paks NPP. Also, he took part in the preparation of Bid Invitation Specifications for New Nuclear Power Plants in Hungary, focusing on the PSA related requirements. In 2011 he contributed to the Targeted Safety Reassessment of the Paks NPP by characterising extreme meteorological events.



As his primary research topic, he has been working in the field of level 1 PSA of natural external events, especially on meteorological events. He had key responsibilities in hazard identification at the Paks site, screening of hazards, also in hazard assessment with extreme value approach. Later he was working on the natural external hazard induced fragility assessment, as well as on PSA model development and risk quantification for the Paks NPP. On the basis of the external events PSA for the reactor, he performed a similar assessment for a selected spent fuel pool of the Paks plant in 2013.

Besides working on natural external hazard issues, he contributed to elaborating an assessment methodology on human induced external hazards for the purposes of site evaluation and licensing relevant to the vicinity of the Paks NPP. Moreover, he also played a major part in a recent update of the low power and shutdown PSA for the Paks NPP that included a complete renewal of the accident sequence models and the human reliability analysis of post-initiator actions in order to model the effects of implementing new, symptom oriented emergency operating procedures for low power and shutdown situations at the plant.