



DOCTORAL RESEARCH TOPIC:

Investigation of the process inside the nuclear fuel during wet and dry storage

RESEARCH FIELD:

Energetics and Power Engineering (T 006)

BRIEF DESCRIPTION OF RESEARCH TOPIC:

Experimental research of the processes in the nuclear fuel rod is the complex and sometimes difficult to implement, thus the reliable numerical analysis capable to model the processes during short-term storage in spent fuel pools and intermediate dry storage containers in the spent fuel is needed.

The dissertation work will be carried out using numerical analysis methods and the latest software for modeling processes in fuel rods.

This dissertation topic is closely related to the ongoing international project coordinated by the IAEA. Participation in this project will give an opportunity to participate in the mobility program. Under this mobility program, PhD students will be able to participate in trainings or conduct part of research in foreign research organizations. The PhD student will be involved in an international team which is working on this topic.

SCIENTIFIC SUPERVISOR:

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