

May 28, 2025

Session III

ELECTRICAL POWER ENGINEERING NUCLEAR POWER ENGINEERING

Committee: **doc. Ing. Gabriel Farkas, PhD. – chairperson**
Ing. Jana Šimeg Veterníková, PhD.
Ing. Attila Kment, PhD.

8:30 - 11:30

- 1. Reducing obtrusive light in electrical substations**
David Kompan and Peter Janiga
- 2. The past, present and near future of wind energy in Slovakia**
Lubomir Polonec
- 3. Simulation study of transient phenomena during system restoration: HPP-NPP route**
Ivan Bednárík, Žaneta Eleschová and Matúš Ludva
- 4. Estimation of the computational bias in criticality safety simulation of SMR version of sodium-cooled fast reactor**
Otto Glavo, Branislav Vrbán, Jakub Lúley, Štefan Čerba and Vladimír Nečas
- 5. Preliminary testing of neutron defectoscopy system**
Filip Revai, Branislav Vrbán, Jakub Luley, Štefan Čerba, Otto Glavo, Vendula Filová, Vladimír Nečas, Nikita Saito and Juraj Valluš
- 6. Design of an enriched dataset for the NILM system**
Juraj Londak
- 7. The study of fading of the PADC detectors irradiated by fast neutrons**
Vendula Filová, Branislav Vrbán, Pavol Blahušiak, Štefan Čerba, Jakub Lúley, Otto Glavo, Filip Révai, Vladimír Nečas

14:00 Award Ceremony (Lecture Hall AB-150)