

## **Session 5:**

# **NUCLEAR POWER ENGINEERING**

**Chairman: doc. Ing. Gabriel Farkas, PhD.**

**9:00 - 11:00**

- 1. THE ISSUES OF INPUT DATA IN THE CALCULATION OF EXTERNAL EXPOSURE**  
Martin Hornáček, Vladimír Nečas
- 2. ANALYSIS OF ISOTOPIC COMPOSITION OF SPENT NUCLEAR FUEL FOR THE GEOLOGICAL DISPOSAL PURPOSES**  
Dana Barátová, Vladimír Nečas
- 3. VERIFICATION OF ENDF/B-VII.1 AND JENDL-4.0 NUCLEAR DATA LIBRARIES FOR CRITICALITY CALCULATIONS**  
Amine Bouhaddane, Gabriel Farkas, Ján Haščík and Vladimír Slugeň
- 4. CLEARANCE OF THE UNDERGROUND RESERVOIRS AT NPP A1 SITE (BOHUNICE, SLOVAKIA)**  
Martin Listjak, Alojz Slaninka and Vladimír Nečas

**10:00 – 10:15 Coffee Break**

- 5. INVESTIGATION OF RADIATION DAMAGE IN JAPAN MODEL REACTOR PRESSURE VESSEL STEELS**  
Stanislav Pecko, Martin Petriska and Vladimír Slugeň
- 6. RADIATION IMPACT OF THE MELTING OF RADIOACTIVE SCRAP METAL ON THE WORKERS AND THE PUBLIC**  
Andrej Slimák, Vladimír Nečas
- 7. CFD MODELLING OF COOLANT MIXING PROCESSES IN FUEL ASSEMBLY HEAD OF NUCLERA REACTOR VVER 440**  
Jakub Jakubec, Vladimír Kutíš

# ELITECH '15



**17<sup>th</sup> Conference of Doctoral Students**

**Faculty of Electrical Engineering and Information Technology, May 25, 2015**