

# Nuclear Research Reactor Course

CTU Instructor Bios (January 2024)

## CTU Faculty



**Lubomír Sklenka**, PhD

Faculty in the Department of Nuclear Reactors at Czech Technical University in Prague. Hailing from Slovakia, first studied nuclear engineering in Trnava before continuing at the university in Prague. Lubomir is committed to teaching and crossing the natural science and social science divide.



**Jana Matoušková**, Doctoral Candidate

Doctoral student at CTU who recently submitted her dissertation/thesis. Her research focuses on advancing neutron imaging opportunities in lower power reactors for the study of ancient antiquities and other cultural artifacts. She received the 2023 Henri Becquerel Prize in Nuclear Sciences, awarded by the French Embassy in the Czech Republic. Jana works with Lubomir on the course design and administration.



**Tomáš Bílý**, PhD

Tomáš earned his PhD in nuclear engineering from CTU in 2014. He previously worked as a nuclear instrumentation specialist (neutron science) with the International Atomic Energy Agency in Rakousko. He specializes in radiation detection, nuclear reactors, reactor physics, radiation dosimetry, and radiation protection. He has also worked on an online training and education program in the VR-1 reactor.



**Filip Fejt**, Master of Science

Filip studied nuclear engineering at CTU and focuses his research and teaching on reactor physics. His research includes a study on neutronics of VVER-1200 with accident tolerant fuel cladding. He also conducted research on the analysis of a small-scale reactor core with PARCS/Sepent.



**Lenka Frýbortová, PhD**

Lenka is a nuclear physicist at CTU in Rozstrel. Her research includes the study of a combined approach to incident cause analysis, a review of the training reactor VR-1 after 30 years of operation, and a recommended strategy with limitations of burnable absorbers used in VVER fuel assemblies.



**Ondřej Huml, PhD**

Ondřej's research includes activation analysis of Tibetan coins and thermal neutron flux measurement at the VR-1 training reactor, and dosimetry with salt in mixed radiation fields of photons and neutrons. He will lead sessions on radiation and neutron detection in practice.



**Jan Rataj, PhD (Department Head)**

Jan is head of the Department of Nuclear Engineering at CTU. His expertise includes nuclear energy, nuclear reactors, radiation detection, nuclear fission, nuclear safety, experimental nuclear physics, and neutron activation analysis. He will lead a session on delayed neutrons in practice.