

First Announcement



Funded by
the European Union

DELISA-LTO Workshop II on

*Application of non-destructive testing (NDT) methods in
characterisation of long-term treated NPP design materials*



Manor House Kočovce, Slovakia

10.- 14. February 2025

www.delisa-lto.eu



We would like to invite you to a workshop in the field of long-term operation (LTO) of nuclear power plants (NPP), assessment of the integrity of the main structural components of NPP by application of Non-destructive techniques and evaluation of thermal ageing of materials after operation in NPP. The workshop is organised by the Slovak University of Technology between 10th – 14th February 2025 in Kočovce, Slovakia. The workshop aims to spread knowledge about PWR reactors, long-term operation, and material degradation to students and young professionals. The workshop is organised within the European-funded project DELISA-LTO.

Important information:

- This workshop is intended for students and young professionals in the field of nuclear engineering under the age of 40.
- The lectures will be led by experts from practice and research institutes in Slovakia, the Czech Republic, Ukraine, and Hungary. All lectures will be in English.
- An experimental part of the workshop will include measurements using non-destructive techniques in laboratories of the Slovak University of Technology in Bratislava and Jaslovské Bohunice.
- A technical visit to the material research laboratories of VUJE and Slovenské elektrárne is planned.
- One afternoon will be reserved for a social program – a visit of SPA town Piešťany or the museum in Beckov/ Čachtice.
- Participation costs will be approx. 250 – 300 € and will be paid to the local accomodation facilities. It will include:
 - 5 days accommodation in shared room / single room (limited capacity) – 140 € / 160 €
 - 5 days full-board – approx. 110 €
- Organizators will fund the lectures, coffee breaks, bus transport to the technical part of the workshop, and social events such as welcome and farewell parties.
- The costs regarding the visit of the SPA Piešťany will not be included.
- Due to the experimental character of the workshop, participation is limited to 25 attendees. If interest exceeds this number, the organisers reserve the right to select participants based on their field, age, and registration date.

If you are interested in participating, please send a completed application to jana.veternikova@stuba.sk up to 20.12.2024. For more information, do not hesitate to contact us.

We look forward to your attendance.

Preliminary topics:

- Introduction to LTO and non-destructive techniques used in NPP, surveillance programs and material research
- Spectroscopy techniques – Positron annihilation and Mossbauer spectroscopies
- Small-sized samples mechanical techniques – Nanohardness, Small Punch Tests
- Microscopy techniques – SEM, TEM, Atomic force microscopy, Optical microscopy
- Ultrasounds methods
- X-ray techniques
- Magnetic measurements

Map of the workshop locality.

