

## 3<sup>rd</sup> EELISA Scientific Student Competition – Bucharest, Romania

- under EELISA 2.0 project coordination -

### What is the Scientific Student Competition?

Participating students submit 20-60 pages long research reports prepared with the help of experienced supervisors. They give a presentation at the conference in sessions according to their field of profession. A jury of leading experts in the field evaluates the reports and presentations. The best ones receive valuable prizes. Reports and presentations will be made in English.

The benefits of participating are the following:

- Writing a research paper like those in the Scientific Student Associations movement.
- The competition allows students to dig deeper into a particular field of study and closely examine a particularly interesting professional question.
- Working with a supervisor allows students to build professional relations and learn from an authentic expert in a particular field. The paper may form the basis for a larger project, such as a thesis.
- Successful performance at the Competition can provide new opportunities for students beneficial for their academic or professional careers;
- After graduation, successful participation is considered positive both by academic and industrial bodies when applying for a job, MSc, or Ph.D. program.
- Participation helps develop soft skills such as academic writing and presentation.
- Success at the faculty level, especially at the national-level competition, may bring a great degree of moral and professional satisfaction.

### Organization

*Organizing board:* Main organizer is the National University of Science and Technology Politehnica Bucharest (UPB) with the support of the BME and EELISA WP9 members. Proper representation of students is also envisaged.

*Scientific board:* Professors of UPB, BME and invited professors from EELISA partners; 1-2 professors from each institutions / Faculties.

## Program and sessions of the event

Participation at the 3<sup>rd</sup> Scientific Student Competition can be in-person and/or online. The event will be therefore organized in a hybrid way. Sessions of the competition are planned as follows:

- Electrical Engineering and Informatics
- Civil Engineering
- Architecture
- Mechanical Engineering
- Chemical Technology and Biotechnology
- Economic and Social Sciences
- Transportation and Vehicle Engineering
- Natural Sciences
- Artificial Intelligence (*Special session 2025*)

The number of sessions will be finalized based on the number of participants and the scientific fields of submissions.

## Invited participants

For the competition, students from EELISA partners (BSc/MSc or PhD students) are invited to participate. EELISA communities are also welcome. Students from outside of the EELISA community can also participate (in addition to the registration, please write e-mails to [kovesdi.balazs@emk.bme.hu](mailto:kovesdi.balazs@emk.bme.hu) and [juliana.biru@upb.ro](mailto:juliana.biru@upb.ro) on the participation requests).

## Evaluation process

**Registration:** online via [bit.ly/eelisa2025](https://bit.ly/eelisa2025) by sending personal data, title of the research work and an abstract.

Abstract length is max. 400 words.

**Registration deadline: 31.03.2025.**

*Application:* A 20–60-page long research report submitted 6 weeks before the competition (further details on the uploading platform will be announced later). The research report can be the result of the student work which has been executed under the supervision of the academic staff of the university. Improved/extended versions of Master diploma thesis can be also nominated to the event.

*Presentation:* 12-15 minutes long presentation + 3-5 minutes' discussion / candidate.

Each research report will be checked and evaluated by two reviewers before the event. Students get their reviews one week before the presentation, so they can prepare their answers and correct the results and research findings upon necessity.

*Evaluation aspects:*

- Scientific impact of the research topic
- Research strategy and applied solution methodology
- Layout and quality of the research report
- Quality of the figures, tables, and diagrams
- Evaluation and applicability of the research results
- Quality of the presentation
- Discussion, answers to the reviewer's comments and questions

*Total points achieved:* 50% given for the research report based on the evaluation of the two reviewers.

50% provided by the conference jury at the conference.

## Process

Awarding ceremony is organized at the end of the conference. The best research works, and presentations will be awarded with "Best paper awards" and/or "Best innovation awards".