

SIMULATION COMPETITION

FOR ENGINEERING STUDENTS

CALL FOR PAPERS



THE AIM OF THE ENGINEERING SIMULATION COMPETITION...

...is to give students who are open to the challenges of technical tasks the tools they need to broaden their engineering capabilities, deepen their technical knowledge, and increase their potential to enter the labor market.

PROJECT REQUIREMENTS

The project can be based on a semester assignment, paper for Scientific Students' Conference, Master's thesis, or PhD dissertation.

To complete the project, the student will use **Ansys** (general finite element, finite volume simulation) and/or **Moldex3D** injection molding simulation software.

In the project work, the simulation should be presented in one of the following ways:

- ▶ for a single physical area, or
- ▶ separately for multiple areas, or
- ▶ several, linked physical areas (mechanical, thermal, fluid dynamics, electromagnetics, optimization).

The student should submit a documentation on the project's objectives and results, using the template provided, and containing **at least 5 result images** and **at least 2 result videos**. In addition, **the simulation files in the run state**, generated in Ansys and/or Moldex3D should be uploaded by the student to the indicated surface.

Submission deadline: 20 February 2024.

EVALUATION CRITERIA FOR THE PROJECT WORK

Projects completed individually will be given preferential treatment.

The attention-grabbing idea of using simulation and the curiosity of the project are more important than the complexity of the geometry.

Only submissions received by the deadline will be considered for an award.

AWARDS

The first three places will receive a total prize of 300,000 HUF (~€770).

Presentation of the awards and recognition of the consultants will take place in spring 2024 at the 22nd Econ Conference.

APPLICATION AND CONTACT

To enter the competition, please fill in the registration form available on the link below or the QR code above. Following this, applicants will be given individual access to upload their projects.

Any questions about the competition should be sent to training@econengineering.com.

