

A-STEP-2030

Summer School for STEM Students

18th, 19th, 20th August 2021



The A-STEP 2030 Summer School provides an opportunity for STEM students to develop skills in future orientated thinking. The school has been designed based on best practice techniques from different teaching approaches throughout Europe.

Participants will:

- Collaborate and build a network with international students
- Practice future-orientated thinking
- Identify trends and forces influencing future engineering
- Become familiar with problem-posing and –selection techniques
- Apply scenario building methodologies
- Apply critical thinking
- Develop scenarios for future sustainable engineering
- Develop scenarios for future engineering education

The event will take place over (6x2 hour sessions) using online methods and participants will also be expected to undertake some work outside of formal sessions. Learning certificates and a digital badge will be awarded to participants who engage in all aspects of the summer school.

Wednesday - August 18th 2021

(9am -11am, GMT+1) – Introductions and Future Thinking

(2pm – 4pm, GMT+1) – Future thinking Workshop

Thursday - August 19th 2021

(9am -11am, GMT+1) – Introduction to Scenario writing

(2pm – 4pm, GMT+1) – Scenario writing workshop - future engineering problems

Friday - August 20th 2021

(9am -11am, GMT+1) – Scenario writing workshop - future engineering education

(2pm – 4pm, GMT+1) – Team outcomes and celebration

Participants will have the opportunity to engage with engineering education researchers and to contribute to proposals to prepare engineering students for a sustainable future. These proposals will be published and circulated to the engineering academic community.

Organisation

The summer school is organised to foster discussion and engage students in teamwork activities thus numbers will be limited to 30 students from a broad range of countries. All sessions will have an interactive format, facilitating exchange of ideas and opinions.

What is included?

There is no cost for student participation, however all participants are required to make themselves available and engage in all aspects of the summer school.

Who can attend?

Applications are open to all students registered on STEM courses worldwide who are sufficiently fluent in English to participate. The selection team aims to select a diverse body of students. The application form is available [HERE](#).

Applications to be submitted by 31st May 2021.

Students will be advised if they have been successful by 25th June 2021.

This summer school is facilitated and supported by the following universities:

- Aalborg University, Denmark
- Metropolia University, Finland
- ENSTA Bretagne, France
- TU Dublin, Ireland

For further information, please contact una.beagon@tudublin.ie

