

A4see | WP 2.1 | UAS Technikum Wien

Industry Collaboration Experience | Summer 2021

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The European Alliance for Sports Engineering Education (A4SEE) is a consortium of Universities and Industry partners that strive to improve the education of both student and professional sport engineers.

The Alliance will develop and host Innovation fellowships, online courses and dedicated learning activities for students and industry professionals.

Find out how to get involved, read about the latest news or find out more about the A4SEE project and partners.

What

What is ICE? | Definition

Industry Collaboration Experience

... **scientific research project** where research questions based on acquired data are answered

... a kind of **summer school** spanning a whole semester and ending in a **measuring week as highlight**.

... brings together **students, teachers and company representatives** from different Universities, different countries and different cultures.

... mixed student groups are **collaborating** on Sports Engineering **Industry related topics** in dislocated teams and culminating in a week of measuring and learning.

... learning outcomes: **technical contents** of the given projects and **working in teams** in person, but also **international cooperation** in teams distributed across different countries using online cooperation tools.

What is ICE? | Details I

Preparation

- Student groups working on hands-on industry research topics
- A4see companies suggest research projects
- student teams work on these projects (March-June)
 - Approx. 5 students per Team
 - Mixed from different Universities
 - Preparation of measurement-setups and data-processing algorithms



ICE measurement week | July 4th-9th 2021

- All Company representatives
- All University lecturers
- All student groups
 - Come-together in the heart of Europe
 - Final measurements | data collection
 - Data processing
 - Discussion
 - Presentation of the results
- 6 ECTS (=3 ECTS preparation, 3 ECTS measurement week) | possibly accredited by home university



Who

Who can participate

- Master Students of all A4see Universities
 - Aalborg University (DEN)
 - TU Delft (NED)
 - TU Chemnitz (GER)
 - Sheffield Hallam University (GBR)
 - UAS Technikum Wien (AUT)

Applications

Will be possible beginning of March
see [6 How to apply](#)



Where and When

Venue and Schedule

The Venue

- Brno, Czech Republic
- Sports Centre of the Technical University Brno
 - Sports facilities
 - Seminar rooms
 - Mechanical and electronics workshops
 - Student accommodation (see: [5 Costs](#))

The Schedule

- March: Applications and groups
- March-June: Remote group-work, literature research, setup, planning
- July 4th to 9th: Measurement week



Which Companies

Companies involved I



Topics

Topics will be proposed by the partner companies

- Catapult Sports
- Labosport
- Magura
- Motek
- Vaude

and will be made available during the application process.

Companies involved II

Catapult

We create technology to help athletes and teams perform to their true potential

Magura

As a Swabian traditional company, we are one of the largest manufacturers of hydraulic brake systems in Germany. We are known worldwide for our expertise in bicycle components.

Motek

We Innovate 3D animation and performance capture, Developments of assets, content, formats, custom pipelines and solutions to both technical and creative challenges.

Companies involved III

Labosport

Labosport is a leading company in sports field testing and certification. We set the benchmark for validating sports surfaces and sports equipment. We assist our clients in delivering safety, performance, durability and sustainability to sport facilities and playgrounds.

Vaude

Thinking with foresight. Being considerate in our dealings with others. Acting from the heart. This is how we can move forward. In outdoor sports. In everyday life. And in the development of sustainable products. Because future generations will only be able to enjoy the mountains and a pristine planet if we conserve what we love.

How much

What does it cost?

Student Housing

- Almost directly at the facilities
- Double Rooms* | 700 CZK | 27 €/room
- Double single use* | 450 CZK | 17 €/room
- Use of all sports-facilities included
- Breakfast not included

Travel and subsistence grants**

- Erasmus+ funding is available
- Limited number of grants available



* Please note: might be subject to minor change

** Please note: in case of Covid-19 restrictions the event will be held online

How to apply

Contact your University-representative

Aalborg



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Looking forward
to your applications