



AURORA

ENTREPRENEURIALIS

STEAM into Entrepreneurship

Oulu

23.-25.4.2025

Program

Wed. 23rd of April

Location: University of Oulu, Pentti Kaiteran katu 1 90570 Oulu

11:30-12:30 Lunch (*University restaurant Lipasto*)

12:30-13:15 Welcome words (*Lecture hall, L3*)

Keynote speech by Elise Pietarila, Gimmeyawallet Productions Oy

13:15-14:15 Teambuilding & introduction to STEAM process (*Tellus Stage and Tellus Backstage*)

Student group program

14:15-14:30 Break / walking to the study visit

14:30-16:30 Study visits at the University
"coffee to go"

Teacher / headmaster program

14:15-14:45 Coffee & mingle (*Tellus Stage*)

14:45-15:45 Workshop: Promoting future skills
through working life and entrepreneurship
education (*Tellus Backstage*)

16:00-16:30 Workshop: Judging process for
innovation camp (*Tellus Backstage*)

16:45 Busses leave to the city center

- Check-in at the Sokos Hotel Arina for those staying at the hotel
- Free time (what to do in Oulu: see below in this welcome package)
- Getting to know your own team

18:30-19:30 Dinner (*Sokos Hotel Arina, 1st floor, restaurant Frans & Camille*)

19:30- Free time

Thu. 24th April

06:30-08:15 Breakfast at hotel (Sokos Hotel Arina) for those, who those staying at the hotel

08:30 Buses leave to the university (in front of the hotel)

Student group program

9:00 Workshop: Ideation
(*Tellus, Stage / Tellus, Backstage*)

Small group work in team spaces

10:00 Workshop: Planning
(*Tellus, Stage / Tellus, Backstage*)

Small group work in team spaces

11:15 Workshop: Execution lecture
(*Tellus, Stage / Tellus, Backstage*)

small group work in team spaces

Teacher / headmaster program

9:00-11:00 OuLukiopäivät program at *Saalastinsali* OR
9:00-10:30 Study visit at *the FabLab*

10:30/11:00 -11:30 Job Shadowing students work
(*Tellus*) OR visiting the stands (*in front of Saalastinsali*)

11:30-12:30 Lunch (*Julinia Garden*)

Group A: Teachers

12:30-14:00 Workshop: Makerspacing (*KTK 149*)

14:00-14:30 Coffee & mingle (*Tellus*)

14:30-16:00 Job shadowing students work
(*Tellus / FabLab*)

Group B: Principals

12:00-13:00 Lunch (<i>Julinia Garden</i>)	12:30-14:00 Seminar: "Collaboration, Entrepreneurship, and STEAM in Upper Secondary Schools" (<i>Tellus, Stage</i>)
13:00-16:00 Group work: Execution of the solution in team spaces / FabLab	14:00-14:30 Coffee & mingle (<i>Tellus, Stage</i>) 14:30-15:00/16:00 Job shadowing students work and/or one-on-one collaboration discussions (City of Oulu principals intern meeting)
<i>15-20 min coffee break when suitable for team between 14:00-15:00</i>	

16:15-	Buses leave to the city center
	Free time at the city center
18:00-19:00	Dinner (<i>Sokos Hotel Arina, 1st floor, restaurant Frans & Camille</i>) walking to the evening activity resort
19:30-21:30	Game night (<i>Isokatu 97, 90120 Oulu</i>) NOTE! possibility for City of Oulu participants to travel with our bus to Oulunsalo high school or to Haukipudas at 9 PM.

Fri. 25th April

06:30-08:45 Breakfast at hotel (Sokos Hotel Arina) for those staying at the hotel

08:45-9:00 Checkout

09:00 busses leave to the university (in front of the hotel)
(*leave the luggage in the bus*)

09:30-09:45 Short lecture: Pitching (*Tellus, Stage / Tellus, Backstage*)

Student group program

09:45-10:45 Finalizing the solution, creating the pitch and making the plan for the judging time
(*team space / FabLab*)

teacher / headmaster program

09:45 -10:45 Open Space: Cross-border collaboration
(*Tellus, Stage*)

15 minutes biobreak / time to find a seat in Stage or Backstage

11:00-11:30 Pitching sessions (*Tellus, Stage / Tellus, Backstage*)

11:30-12:30 Lunch at Julinia Garden

12:30-13:30 Judging sessions (*Team spaces, Tellus*)

Student group program

13:30-14:15 Cleaning up own team space
Coffee & mingle, when space is ready

teacher / headmaster program

13:30-14:15 Judges meeting by coffee
(*Stage*)

14:15-15:00 Final ceremony and closing words (*Lecture hall, L3*)

Heading home!

Travel schedules for participants from Torne Valley and Norrbotten

The bus schedules will be published in a separate email by group leaders:

- Raija Paasimaa (participants from Torne Valley)
- Linda Strandheden (participants from Norrbotten)

Accommodation & Food

The event includes **free** accommodation for participants outside of the City of Oulu area and food (breakfast, lunch, coffee, dinner) for all participants.

Accommodation for participants arriving from outside of Oulu:

Sokos Hotel Arina

Address: Pakkahuoneenkatu 16, 90100 Oulu

Phone: +358 8 3123111

Email: sales.oulu@sokoshotels.fi

[Link to website](#)

Breakfast: Buffet provided at the hotel at 06:30-10:00

Things to bring with you

Here is a small list of things that you should pack with you:

- Valid ID for Swedish participants
- Pen
- Comfortable shoes for walking
- Smiles and positive energy

Most of the activities happen indoors but there will be a little bit of walking outside during the event. Please check the weather forecast and pack appropriately.

Emergencies

In all health-related situations, please consult your schoolteacher and act according to the insurance policy of your school institution. The public emergency unit in Oulu:

Oulu University Hospital

Address: OYS, A1 entrance, Kajaanintie 50, Oulu

Emergency number: 112

Project description

The objective of the Aurora Entrepreneurialis project is to develop the entrepreneurship education of secondary-level schools in a multifaceted way. The project focuses on three key development areas: 1. entrepreneurial culture in schools, 2. sustainable entrepreneurship in education, and 3. cross-border collaboration. The activities include creating cross-border networks, high-quality teacher training, innovation events & company visits for students, and collaboration between schools.

Sustainability is an overarching theme of the project. We have a thematic focus on sustainable entrepreneurship, dealing with the ability to discover, create, and utilize entrepreneurial opportunities that help to build sustainable societies. The skills upper secondary students learn while working with entrepreneurship, such as collaboration, initiative, courage, creativity, and responsibility, are useful when tackling complex wicked problems like sustainability issues.

Study visits

As a student you have registered to the event and chosen three challenges that interest you the most. At the event, you will hear, which **one** of these you get to solve in a small group with your team members. Each challenge has all in all three study visits that take place in the university building. Each group has one same study visit place: Fab Lab. Fab Lab can also support you to produce your model solution, if this is the best way to present your idea.

As a teacher you get to visit the Fab Lab on Thursday morning, if you have selected the visit as part of your innovation camp program. If not, no worries, you get to dive into “makerspacing” on Thursday afternoon with the specialist Iiris Kivioja in KTK 149 space.

Fab Lab

Fab Lab Oulu is a Nordic Super Node, a fabrication laboratory with versatile capability for digital fabrication. Fab Lab Oulu complies with open innovation concept developed by MIT in the United States. It operates within University of Oulu premises and provides a large set of tools, equipment, software, and practices - shared according to [the Fab Lab concept](#). Fab Lab provides access and support for the following equipment: 3D printers, 3D scanners, Laser cutters, Vinyl cutters, CNC precision milling machine, CNC router, Electronics workbenches, Open source design software.

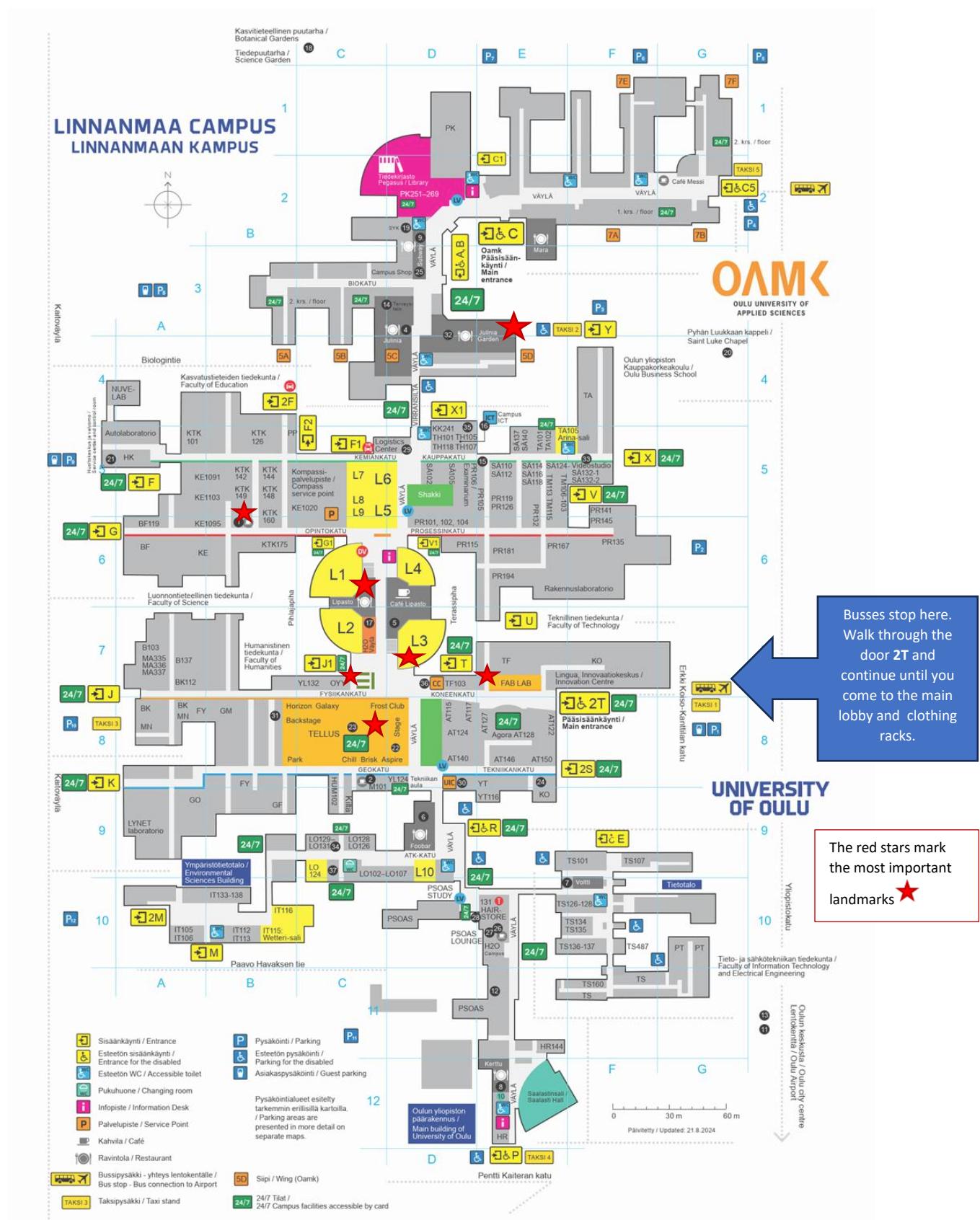
Study visits partners

University of Oulu: Innovation center; Space Physics and Astronomy Research Unit; Fab Lab, Tellus Arena; Faculty of Education and Psychology; Water, Energy and Environmental Engineering Research unit; Nano and Molecular Systems Research Unit

Oulu University of Applied sciences: PrinLab, HybridLab, OSAKO, Business Corner

Other stakeholders: Laatikainen Enterprises Oy, Botnian Arc Association, Sanataiteen aarrearkku - model

Map of the University building



What to do in Oulu during free time?

As you can see in the schedule, there is some free time, where you can go for a walk in the city, do shopping, or different kinds of activities. The free time activities are not covered by the project, so if you wish to do some activities together, these are paid by you. Here is a list of things you might be interested to do:

Cultural walk at the City of Oulu – Citynomadi

<https://citynomadi.com/route/d1de4e7d6a93c219f64fa3e3fd6105b3>

Citynomadi visualizes interactivity and functionality on maps in both urban and natural environments. In Oulu, Citynomadi can be used to enhance city exploration by interactive walking and cycling routes, historical tours, or cultural experiences. The platform's interactive features make navigating and discovering Oulu's unique locations more engaging and fun.

Oulu art museum

Oulu Art Museum is the Northern museum of contemporary art – and is here just for you. Everyone has the right to experience art their own way and ask it the questions they need to ask.

Opening hours

Tue–Thur 9–18

Fri 11–19

Sat–Sun 11–17

Mon closed

[Link to website](#)

Movie theatre Finnkino, Torikatu 32, 90100 Oulu

Go watch a movie, see schedule here: [link to website](#)

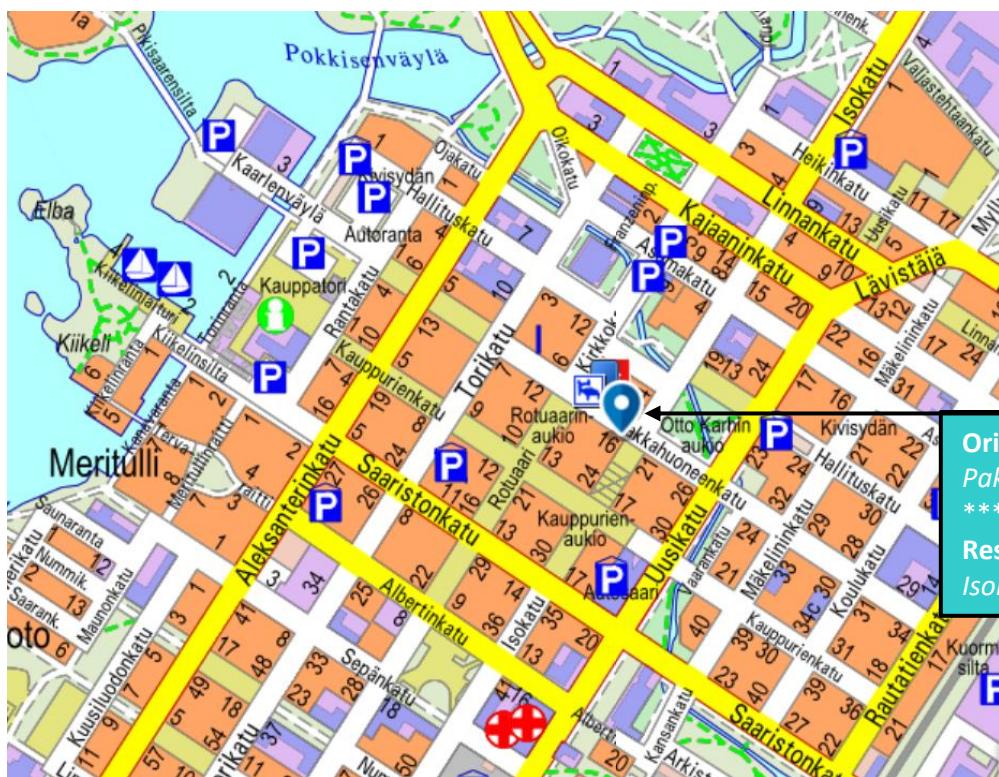
Movie theatre Star, Kalliotie 6, 90500 Oulu

Go watch a movie, see schedule here: [link to website](#)

Maps with important locations



City Center



Pre-assignments

1. For Students and Teachers:

Upload **the Maze map application** from Play store or Appstore before you start your travel to Oulu and get acquainted with it. The application is needed at the university building for orientation and finding the right places at the study visit or workshops. You can also use [the maze map with the as an online version](#) but we recommend to use the app. You will find instructions for the usage of the application here: <https://ict.oulu.fi/21328/?page&lang=en>

2. For Students and teachers:

Watch a **video tutorial** about using a laser cutter at the FabLab:

<https://www.youtube.com/watch?v=2LgkHTg1OeY>

By watching the video, you will be better prepared to build things at the Fab Lab as a part of your group's innovation, if this is what your team wishes to do.

3. For Students:

You have selected three challenges that you would like to solve at the innovation camp. Seek little bit information about the topics before coming to the innovation camp. Make google searches and/or ponder which kind of viewpoints your team could have to the theme.

Challenges:

- A. Energy from Collaboration! How could our community increase collaboration and collective learning?
- B. Participation in Society. Design a solution that inspires children and young people to read various types of texts OR encourages an active and equal discussion culture.
- C. Future Fashion – Smart Textiles and Design
- E. Saving the Bothnian Bay
- F. Surviving on Mars
- G. An Invention that should never have been invented

4. For Students and teachers:

Watch the **video** from our previous event to get to the vibe:

<https://www.youtube.com/watch?v=6sJvbjoNzAE>

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Welcome to Oulu!