

Østfold University College Welcome International Students

Hong Wu | Østfold University College, Norway | hong.wu@hiof.no





Let us get started with where
we are and what we do



Østfold University College

**7.000 students
450 staff members.**

**Increasing
gradually annual
student recruitment
Most sunny days in
Norway**

**Easy access to Oslo
and Goteborg**

**Fredrikstad,
the largest city
in Østfold**

**The most
attractive city
in Norway
targeted**

**Attracting new
students**



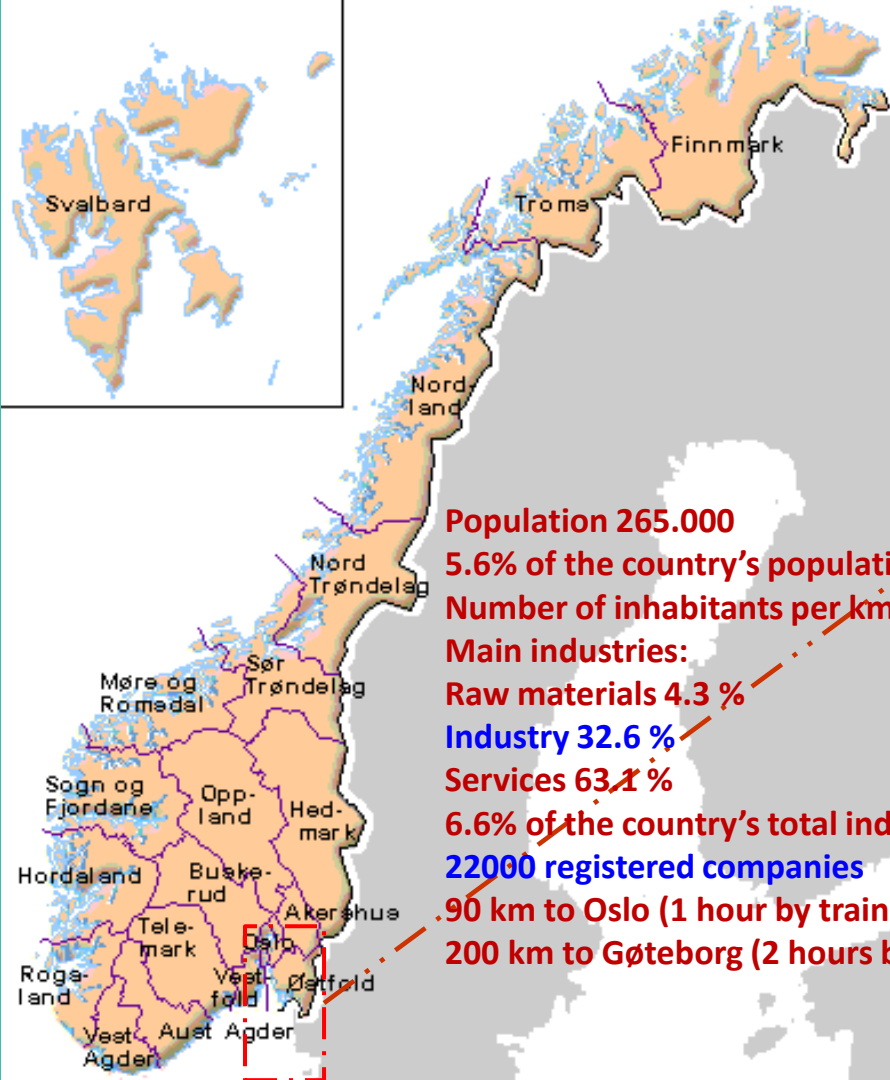
The Faculty of Engineering

Bachelor programs in:

- Civil Engineering
- Mechanical Engineering
- Electronics and Power Electrical Engineering
- Innovation and Project Management



**A modern campus building for faculty of engineering
viewing over Fredrikstad football stadium**



College

Population 265.000
5.6% of the country's population.
Number of inhabitants per km²: 66
Main industries:
Raw materials 4.3 %
Industry 32.6 %
Services 63.1 %
6.6% of the country's total industry
22000 registered companies
90 km to Oslo (1 hour by train)
200 km to Gøteborg (2 hours by train)



Higher Education

Topic

Ministry of Education and Research

As a knowledge nation, Norway has a great need for people with high level professional skills across a broad spectrum of fields. It is a goal that everyone should be able to get an education regardless of their social background. Welfare schemes for students are an instrument that can be used to achieve this. The government wants to change the structure of higher education to achieve solid specialist research communities and high quality education.



Quality in higher education

Universities and university colleges are to



Structure of higher education



Students

The Ministry of Education and Research

What is quality?

Quality lies in the knowledge, skills and expertise that are conveyed, as well as in the manner in which these are communicated and learned.

Key aspects of this include learning objectives, content, program design, adaptation, teaching, work methods, supervision and forms of assessment. In addition, the students' efforts, qualifications and learning strategies help to determine how good the learning outcome can be.

In other words, input factors, process factors and result factors are of relevance when quality is assessed.



Prof Johan Malmqvist receives the Leonardo Da Vinci Medal from SEFI

The Leonardo da Vinci Medal is the highest distinction SEFI can bestow. The Medal is awarded once a year to a living person who has made an outstanding contribution of international significance to engineering education.

[Read more](#)

Welcome to CDIO!

The CDIO™ INITIATIVE is an innovative educational framework for producing the next generation of engineers. The framework provides students with an education stressing engineering fundamentals set in the context of Conceiving – Designing – Implementing – Operating (CDIO) real-world systems and products. Throughout the world, CDIO Initiative collaborators have adopted CDIO as the framework of their curricular planning and outcome-based assessment. CDIO collaborators recognize that an engineering education is acquired over a long period and in a variety of institutions, and that educators in all parts of this spectrum can learn from practice elsewhere. *The CDIO network therefore welcomes members in a diverse range of institutions ranging from research-led internationally acclaimed universities to local colleges dedicated to providing students with their initial grounding in*

Want to know more?

[Contact us](#)

[How to join](#)

Join our LinkedIn & Facebook groups for discussions, updates & more

The CDIO™ INITIATIVE is an innovative educational framework for producing the next generation of engineers.

The framework provides students with an education stressing engineering fundamentals set in the context of **Conceiving — Designing — Implementing — Operating (CDIO)** real-world systems and products.

<http://cdio.org/>





**Conceiving
Implementing**

**Company sponsor
Knowledge
Circulation economy
Recycle business**



Operating

**Do it by your
selves**

**Learning by
doing**

**A part of
regular study**

10 essential skills employers need?

1. Interpersonal & communication skills (written & oral)
2. Drive & commitment / industry knowledge
3. Critical reasoning & analytical skills / technical skills
4. Academic grades
5. Cultural sensitivity/values fit
6. Work experience
7. Teamwork skills
8. Emotional intelligence (self-awareness, motivation)
9. Leadership skills (voluntary work)
10. Activities (incl. intra & extra curricular)

GCA's 2010 Graduate Outlook Survey of graduate 350 employers in Australasia www.graduatecareers.com.au

http://www.graduateopportunities.com/application_dates_career_info/skills_employers_want



- Learning from real working life
- Visiting companies
- Case lecturing









Lectures: Consumer behavior and trends in the energy market.
Life and renewable energy.
Partners: The Confederation of Norwegian Enterprise (NHO) and Value Creation Research Project funded

Smart Cities, a real case EU-project from a college course:

Organization Development

2nd year College students as mentors/coaches for 110 secondary school students from the Netherlands, Scotland, Sweden, Germany and Norway.

"How to create smart energy solutions for our campus complex building?"



World Cafe Method

1) Setting: Create a “special” environment, most often modeled after a café, i.e. small round tables covered with a checkered or white linen tablecloth, butcher block paper, colored pens, a vase of flowers, and optional “talking stick” item. There should be four chairs at each table (optimally) – and no more than five.

2) Welcome and Introduction:

The host begins with a warm welcome and an introduction to the World Café process, setting the context, sharing the Cafe Etiquette, and putting participants at ease.

3) Small Group Rounds:

The process begins with the first of three or more twenty minute rounds of conversation for the small group seated around a table. At the end of the twenty minutes, each member of the group moves to a different new table.

4) Questions:

each round is prefaced with a question specially crafted for the specific context and desired purpose of the World Café.

5) Harvest:

After the small groups (and/or in between rounds, as needed), individuals are invited to share insights or other results from their conversations with the rest of the large group.

<http://www.theworldcafe.com/key-concepts-resources/world-cafe-method/#>

OUC quality system is a student evaluation emphasized in three ways:

Departmental evaluations of students' perceptions of learning environment, service and facilities that provide information about conditions that should / should be improved, referred to as EVA1.

An annual survey at all departments about students' perceptions of and experiences with the teaching and learning environment of the study program they follow, which is commonly referred to as EVA2.

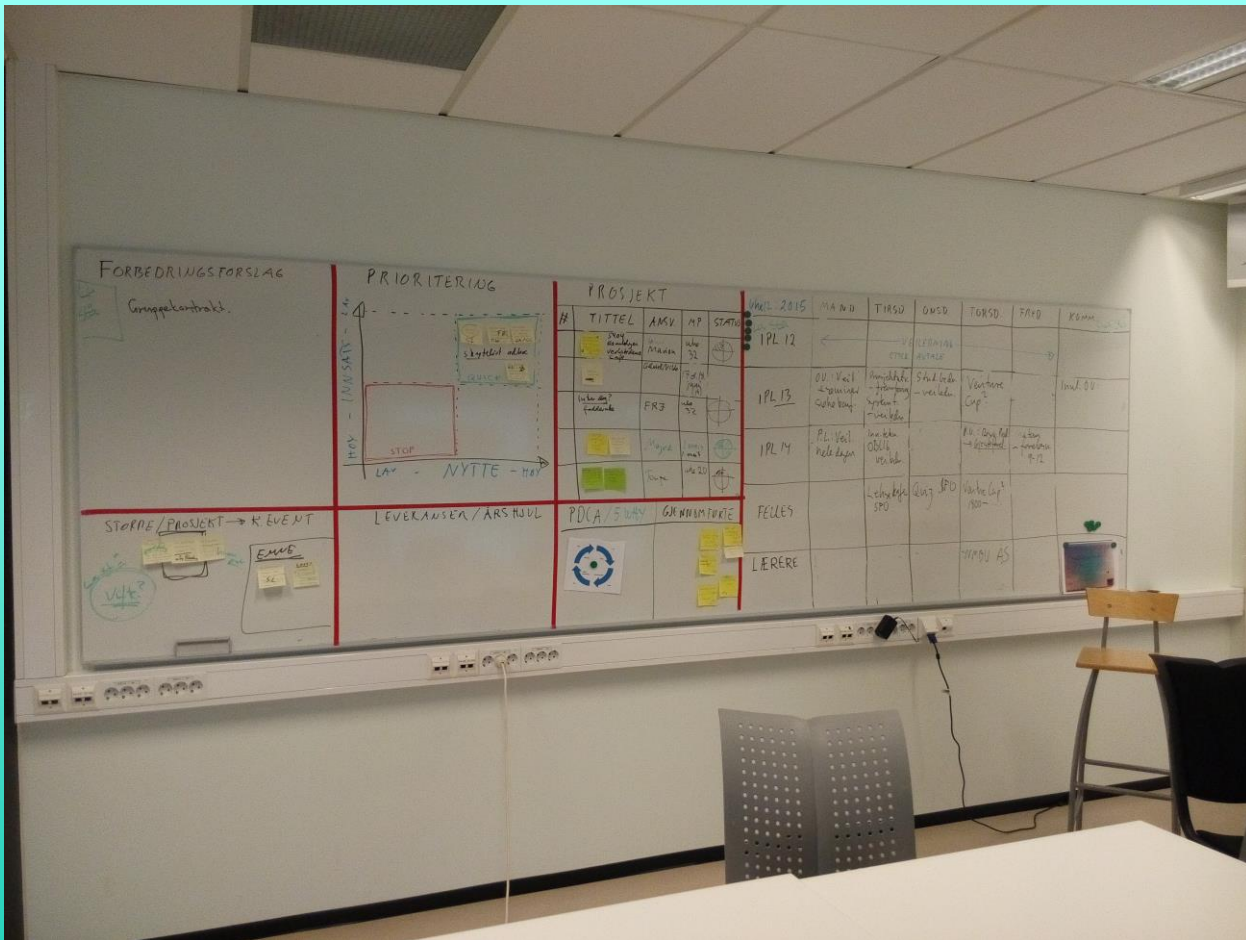
A continuous evaluation that teachers themselves implement, which relate to the teacher's own teaching. The idea is that it can help to develop / improve teaching while it is in progress, for the students participating; Also referred to as EVA3.



- Regular monthly dialog meetings between student class representatives and teachers
- Improving teaching quality and learning motivations



- Meeting minutes writing
- To do list until the next meeting



- Using Lean methods
- Open and visualizing, available for everyone including all students



Career
Expo

Company
stands

Student
participation





Foto: Nina Skajaa Fredheim).

Students gain insight about job market prospects. Students establish valuable contacts within industry via company visits, guest lectures, and company assignments. A partnership with the business sector gives contemporaneous understanding of competence and market demands.



FREDRIKSTAD
NÆRINGSFORENING



VIKEN

TEKNOLOGIKLYNGE 4.0
-we make things happen



Østfold University College

PAXSTER

SMART
INNOVATION
NORWAY



COWI

Multiconsult

Prediktor

NSSQ

NORSK SENTER FOR
SIRKULÆR ØKONOMI



**SLEIPNER
MOTOR AS**

RE•TURN



Østfoldforskning

Nexans Norway

goodtech



TEKNOTHERM

GLAVA
ISOLASJON

EXPO 2018
14-15. JUNI



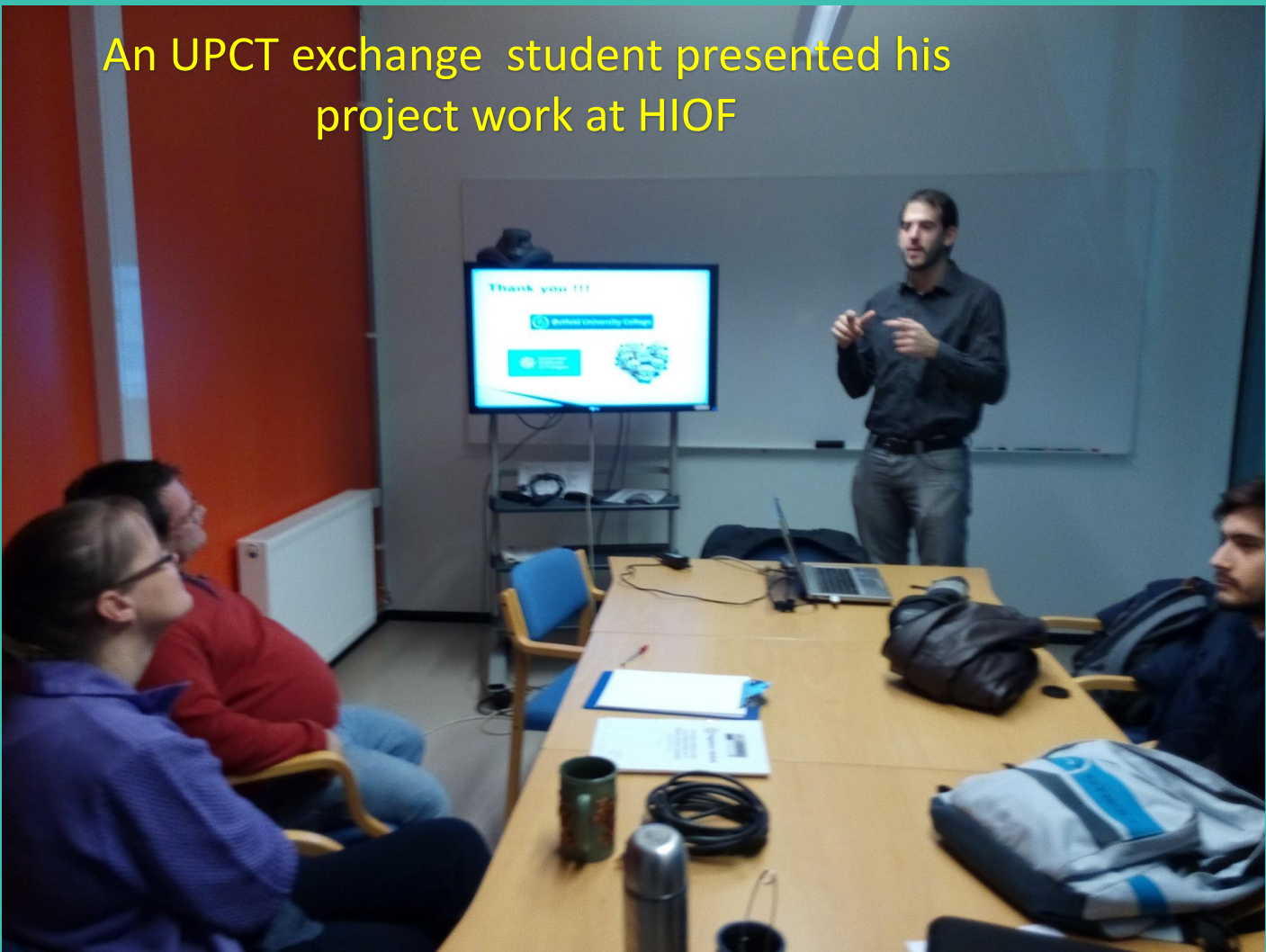
EXPO is an annual event that takes place at Østfold University College, Faculty of Engineering

This is an open presentation / exhibition of the students' bachelor projects.

EXPO 2018 is the 26th annually exhibition with approximately 60 exciting projects!

Over 50 student projects are business / business tasks related to real cases, assigned and serviced for local companies. Prior to the EXPO exhibition, the students work individually or in groups (2-4 students) for three months and the results are presented under EXPO for teachers, clients and audiences, open and publically.

An UPCT exchange student presented his project work at HIOF

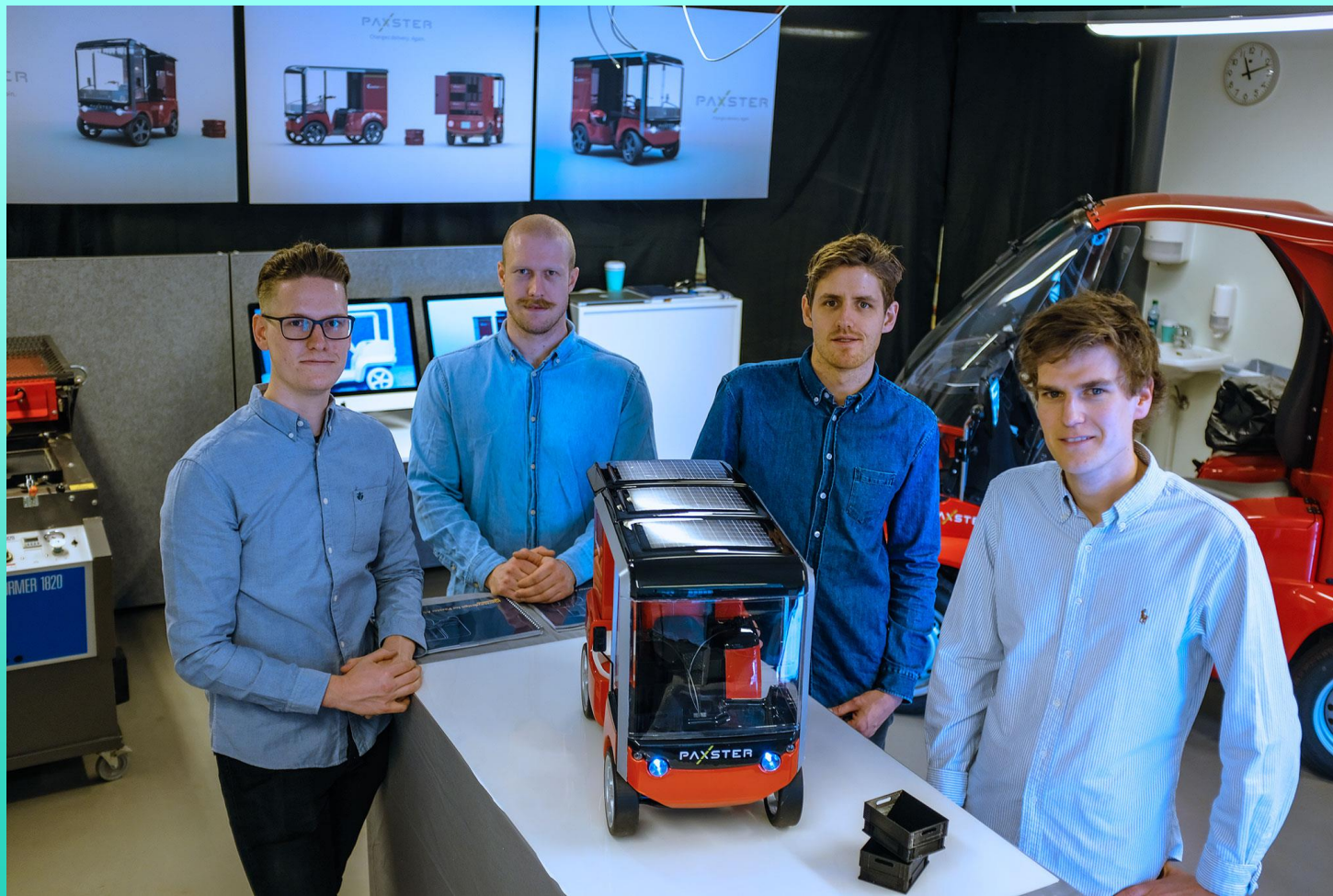


International student research project





Great dedication and many visitors to the engineering students exhibition on Thursday afternoon. Here a group of students who have made a rig that safely and efficiently cleans skid MCs.



New design can make profitable differences!
This group of engineering students has seen how Paxter's post cars can be transformed to create more space for mail = fewer and more efficient drives, both in terms of environment and economy.

For smarte håndverkere



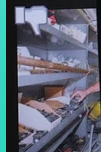
Unngå rot. Plass til alt. Full oversikt.



Enkel lastning/lossing og transport av store varer



Aldri mer



Unngå sm

LOYDS

SMART



New brake and locking system for opening smart trays in craftsman cars with one hand, Student Tina Irene Thorvaldsen, Cathrine Helene Helseth and Monica Normann have developed.

Field Research for International Students







Worked to project and develop the university's new research station in Hessdalen.

Establish a research station that allows year-end student-active research in the mountain areas where so many hunt for the explanation behind Hessdalens lysfenomen.

A good student?

Likes to read

Read many books

Having own thought

Having good skills

Collaborating skills

A good teacher?

A good lecturer

With solid knowledge

A good question asker

A good coach

A good challenger

A good commenter

A good guider

**How shall we motivate and attract
more students to engage
themselves for learning by doing?**

Questions? Comments?

Thanks!