

# Welcome to the University of Stavanger!



The University of Stavanger (UiS) is situated in the most attractive region in the country, with some 300 000 inhabitants.

In constant collaboration and dialogue with the surroundings, regionally, nationally and internationally, we enjoy an open and creative climate for education, research, innovation, dissemination and museum activities.

UiS will have an innovative and international profile, and will be a driving force in knowledge development and in the process of societal change.

Stavanger is the oil and energy capital in Norway with a dynamic job market and exciting culture and leisure activities. The interplay between the university and society and business is rich and diverse.

The Faculty of Science and Technology has over 2880 students and 200 employees. The faculty's curriculum focuses especially on engineering disciplines, while research activities are characterised by innovation and collaboration with industry and government.

Some of the research conducted at the Faculty of Science and Technology is at the very forefront of scientific achievement in its respective areas.

Situated in the "oil capital" of Norway, one of the world's largest oil exporters, the University of Stavanger is world-class when it comes to petroleum science. It also has strong research groups in the offshore technology field.

The petroleum industry is Norway's biggest source of income and plays an important role in the world economy. We are proud to have Norway's largest research group studying the petroleum economy.

NextMGT Workshop

## Modelling Power Systems

8<sup>th</sup> to 10<sup>th</sup> November 2021 Stavanger, Norway



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Time CET	2021-11-08	
9:00 - 9:10 UiS, KE-A-259, Dataverkstedet	Welcoming Speech from the Host University - Prof. Assadi (UIS; Norway)	
9:00 - 10:10 UiS, KE-A-259, Dataverkstedet	<b>Keynote: Energy transition and the Role of Modeling Tools and Methods</b> Juha Kiviluoma (VTT; Finland)	
10:10 - 10:30 UiS, KE-A-259, Dataverkstedet	Project Overview - Prof. Abdulnaser Sayma (CITY; UK)	
10:30 - 10:45	Break	
10:45 - 12:00 UiS, KE-A-259, Dataverkstedet	Presentations from 4 WP Leaders (15 minutes each + Q&A: 15 minutes for all)	
12:00 - 13:00 UIS, Canteen	Lunch	
13:00 - 14:45 UiS, KE-A-259, Dataverkstedet	WP1: ESR1 ~ ESR6 (10 min. each presentation + 5 min. Q&A)	
14:45 - 15:15	Break	
15:15 - 16:00 UiS, KE-A-259, Dataverkstedet	<b>WP2:</b> ESR7 $\sim$ ESR9 (10 min. each presentation + 5 min. Q&A)	
Time CET	2021-11-09	
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet	2021-11-09  My Path to Efficient PhD in Applied AI - Andrzej Tunkiel (UiS; Norway)	
9:00 – 9:45		
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet		
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet 9:45 - 10:00 10:00- 10:45	My Path to Efficient PhD in Applied AI - Andrzej Tunkiel (UiS; Norway)  Break  Artificial Neural Networks: Definitions, Fundamentals, Methodologies	
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet  9:45 - 10:00  10:00- 10:45 UiS, KE-A-259, Dataverkstedet	My Path to Efficient PhD in Applied AI - Andrzej Tunkiel (UiS; Norway)  Break  Artificial Neural Networks: Definitions, Fundamentals, Methodologies	
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet  9:45 - 10:00  10:00- 10:45 UiS, KE-A-259, Dataverkstedet  10:45 - 11:00  11:00 - 12:00	My Path to Efficient PhD in Applied AI - Andrzej Tunkiel (UiS; Norway)  Break  Artificial Neural Networks: Definitions, Fundamentals, Methodologies  Prof. Ehsan Mesbahi (Victoria Univ. of Wellington; New Zealand)  Break  Artificial Neural Networks: Applications	
9:00 – 9:45 UiS, KE-A-259, Dataverkstedet 9:45 - 10:00 10:00- 10:45 UiS, KE-A-259, Dataverkstedet 10:45 - 11:00 11:00 - 12:00 UiS, KE-A-259, Dataverkstedet 12:00 - 13:00	My Path to Efficient PhD in Applied AI - Andrzej Tunkiel (UiS; Norway)  Break  Artificial Neural Networks: Definitions, Fundamentals, Methodologies Prof. Ehsan Mesbahi (Victoria Univ. of Wellington; New Zealand)  Break  Artificial Neural Networks: Applications Prof. Ehsan Mesbahi (Victoria Univ. of Wellington; New Zealand)	
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Time CET	2021-11-10  Why Do Time and Stress Management Go Hand in Hand?  Susanna Lyddon (Right Brain Training; UK)	
10:00 - 10:45 UiS, KE-A-259, Dataverkstedet		
10:45 - 11:00	Break	
11:00 – 11:45 UiS, KE-A-259, Dataverkstedet	Communication of the Research Results: How to Reach the Public Riva Walter (Genoa Univ.; Italy)	
11:45 - 12:30 UiS, KE-A-259, Dataverkstedet	Sum-up - Workshop Evaluation	
12:30 - 13:30 UIS, Canteen	Lunch	
13:30 - 14:30	Tour to "Iron Age Farm"	
14:30 - 17:30	Guided City Tour	

## **OLD STAVANGER**

It is often the small area just west of the harbour called Old Stavanger that is pointed out as representative of the entire wooden city of Stavanger. The wooden city of Stavanger entails around 8000 houses in several different styles – from empire to Art Nouveau and functionalism. The wooden housing is mainly from Stavanger's settlements before the Second World War. In the old days, it was quite common to bring your house if you moved from one place to another. This is the case for several of the houses in Old Stavanger. The houses were logged in timber, making it fairly easy to dismantle and bring along when moving. Several of the houses have an arch on top of the roof built to expand the living quarters. It has a flat top and is asymmetrically placed on top of the roof. It is referred to as the Stavanger arch. Stavanger has received several awards for its efforts to preserve Old Stavanger. (Visit on Wednesday afternoon, November 10)



## **FARGEGATA**

It was hairdresser Tom Kjørsvik who came up with the idea of completely renewing this previously quiet and rather dull street, Øvre Holmegate. Kjørvik's vision was to pump some new and much-needed life into the street, a process that proved to be a lengthy one; it lasted more than four years. The artist Craig Flannagan created the colour scheme for the painting of the houses and the plan had to be approved by landlords and the city council, a process not necessarily done in a flash. The new colours did eventually come into place though, and it truly livened up the street. (Visit on Wednesday afternoon, November 10)



## **IRON AGE FARM**

The Iron Age Farm at Ullandhaug is a a reconstructed farmstead from the Migration Periode (350-550 AD). The farm is located around three kilometres from the Stavanger city centre, with a magnificent view of the Northern Jæren region and Hafrsfjord.

The farm is as the only farm of its kind in Norway, reconstructed on the original archaeological site. The three houses have equipment and domestic utensils, and there is a fire burning on the original fireplaces. On the Iron Age Farm, you are greeted by the mistress and and the people on the farm. (Visit on Wednesday afternoon, November 10)



## **ULLANDHAUG TOWER**

Ullandhaugtårnet is a telecommunication tower and landmark at Ullandhaug in Stavanger. The top of the tower rises 202 meters above sea level, which makes the mast Stavanger's highest point including buildings. The tower is now run by Lyse. There are stairs a couple of floors up from the ground floor to a viewing plateau that is open to the public. In 1896, the Harald Tower was built in memory of the battle of Hafrsfjord on the square where the Ullandhaug Tower is located today. Part of the tower was destroyed during World War II , and the rest was demolished in 1963. In 1964, Televerket built the Ullandhaug tower next to the remains. (Visit on Wednesday afternoon, November 10)

## SVERD | FJELL

(English: Swords in Rock) was put in place to celebrate an ancient battle that ended up uniting a portion of Norway under one banner, but it's not always easy to see that past how awesome the monument's three giant Viking swords are.

The Battle of Hafrsfjord in 872 is widely regarded as the conflict that finally achieved unity amongst the warring factions of western Norway. In reality, the process of unification likely took hundreds of years, but the popular legend is that it was this one battle that achieved peace. The decisive battle was thought to have taken place between King Harald Fair Hair and two lesser forces. King Harald finally trounced the opposing forces and Norway was brought under his rule. (Visit on Wednesday afternoon, November 10)



Risavika Gas Centre DA is an international test centre established in 2005 through a joint venture between Statoil, Norske Shell, Lyse, the International Research Institute of Stavanger (IRIS) and the University of Stavanger. It offers research, development and large-scale equipment testing of various components for sustainable production and the usage of natural gas, as well as integration with renewable energy sources. Also amongst the centre's offerings is the design of tests, as well as the design of connections between test units and technical infrastructure.



