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TNNN has 49 followers! If you aren't a follower yet, please follow us. If you have already done so, thank you and consider connecting others who might be interested to our page. We will be using LinkedIn as our preferred platform for sharing classes, conferences, jobs, news, etc. that we think might be of interest to our members.

Why LinkedIn? We chose this platform because it is geared towards professional networking and provides an easy way to share information. It's also a great place to create a professional presence as you enter the job market, as many potential employers use it as a first look at an applicant.

You can find us here: www.linkedin.com/company/tnnn.



Photo Credit Nils Kalve

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TNNN 2023 Conference Registration is Open!

TNNN Vestfold 2023 will be held on the University of South-Eastern Norway's campus in Vestfold June 21st- 23rd. We look forward to welcoming you to 3 days of exciting content.

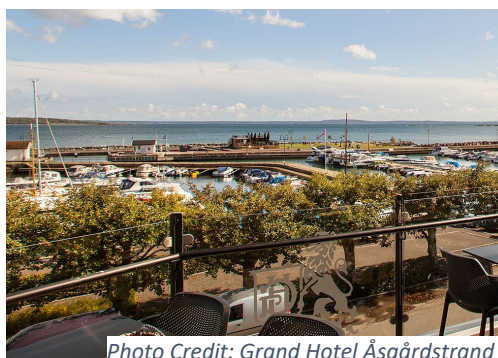


Photo Credit: Grand Hotel Åsqårdstrand

This year's conference will feature a strong industry presence with talks, stands, lab tours and opportunities to network. The following have confirmed: Kongsberg Space Electronics, GE Vingmed Ultrasound and Zimmer & Peacock.

We have invited 3 international speakers who will be announced soon. In addition, a researcher from each university will speak about their area of expertise and aspects of research in nanotechnology at their university. There are 16 PhD slots available as well as two poster sessions.

The conference committee has been hard at work finalizing the details of the program. You can view the latest version of the program on TNNN's conference website. The committee has also planned a fun outing and conference dinner for participants (see next page).



Photo Credit: Knut Aasmundtveit

You can register for the conference and submit your abstract at the TNNN conference website: www.ntnu.edu/tnnn/tnnn-conference. **The deadline for registration and abstract submission is May 15th.**

We have reserved a block of rooms at two hotels nearby so be sure to reserve your room early to get the conference rate. PhD students travelling from other locations will have 2 nights lodging paid for by the research school (June 21 & 22 only), but they must reserve the room themselves. Information on the hotels is available on the website and on the registration form.

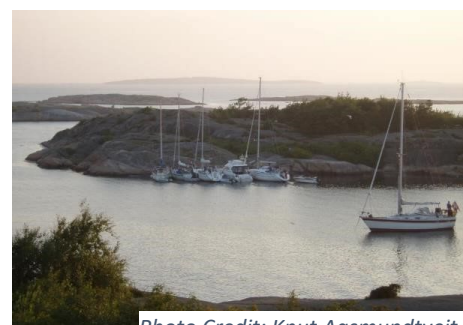


Photo Credit: Knut Aasmundtveit

A little about USN

The University of South-Eastern Norway has a rich history that dates back to the early 19th century. It all began with the establishment of the first teacher training school in Norway, which was founded in the town of Kongsberg in 1814. In 1855, Norway's first technical education was established in Horten, where the Norwegian Navy had established the national base five years earlier. There is a continuous line from the education of mechanical engineers for the navy to present-day technology education at Vestfold campus, including micro- and nano-technology.

In 1994, the higher education in the region, in various academic disciplines, was organized into University Colleges of the three counties at that time: Vestfold, Buskerud and Telemark. These joined forces in 2016, eventually becoming University of South-Eastern Norway (USN) in 2018.

USN has eight campuses across the region, the largest being Vestfold Campus, the site of TNNN 2023. Vestfold campus is located close to Borre and Åsgårdstrand. Borre is known for its rich history and archaeological sites, in particular the Borre mound cemetery, which is a UNESCO World Heritage site, the first National Park in Norway and one of the most important pre-Viking Age sites in Norway. Åsgårdstrand, where the social programme 22 June will take place, has been the living place of many artists, including Edvard Munch.

Social Activities at TNNN Vestfold 2023

After a first day filled with talks, posters and reconnecting, we will continue our interactions over a casual dinner on the USN campus Wednesday evening. The PhD council is planning to follow it up with a fun-filled night that just might include a bit of trivia, the roll of the dice and a healthy dose of dance music – stay tuned!

On Thursday, we are excited to offer you a unique cultural experience in the nearby town of Åsgårdstrand. As part of the conference program on Thursday, we are organizing a guided tour of the famous painter Edvard Munch's house and locations of some of his most famous works in Åsgårdstrand. This is a rare opportunity to explore the private residence of one of Norway's most celebrated artists and gain insight into his life and work.



Photo Credit: Vestfoldmuseene IKS/Mekonnen



Photo Credit: Visit Vestfold/Sven Erik Knoff

After the tour, we will be heading to the lovely Åsgårdstrand Grand Restaurant for the conference dinner. Just a short walk away, this elegant venue is known for its exquisite cuisine and beautiful seaside setting, making it the perfect place to relax and connect with your fellow attendees.

Staying over the weekend in Vestfold?

Midsummer's Eve falls on the last day of the TNNN Conference (Friday 23 June). Vestfold has a strong tradition of celebrating Midsummer's Eve with bonfires on "every beach" and an armada of private boats on the fjord. In addition, for 30 years running, the yearly highlight in Horten has been the fireworks concert at the old navy base overlooking the Oslo Fjord. This year, the Royal Norwegian Navy Music Corps featuring Sissel Kyrkjebø headline the event.

If you're able, add an extra night to your stay at the conference rate and celebrate with fireworks and the concert or simply join the party around a bonfire. You can find more information about the event and tickets at <https://bakkenteigenkulturhus.no/event/fyrverkerikonserten-2023/>



FYRVERKERIKONSERTEN HORTEN
FREDAG 23. JUNI 2023!

30
FYRVERKERIKONSERTEN

SISSSEL & MARINEMUSIKKEN

The banner features a circular portrait of Sissel Kyrkjebø on the right, set against a background of a stage with a large screen and a night view of the waterfront with fireworks in the sky.

What can the PhD Council do for you?

Do you have suggestions or ideas for interesting speakers, workshops, social activities, etc.? Reach out to your PhD Council representative and share your thoughts. If you are a PhD student at University of Bergen and would like to join the TNNN PhD Council, please contact Dionna Ghalambor at dionna.ghalambor@ntnu.no.

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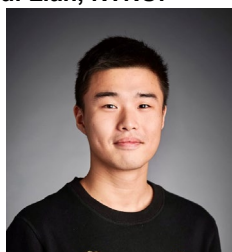
Jairo Ramirez-Sarabia – USN,
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Meet the TNNN PhD Council

TNNN is pleased to announce the newly selected members of the PhD Council. They will serve a one year term and provide a connection between the student and postdoc members and the research school coordinator and steering board.

They have already begun brainstorming ideas for fun social activities to up the engagement opportunities during the annual conference as well as at each university.

Enkui Lian, NTNU:



I am a Ph.D. candidate in the Department of Chemistry. I got my bachelor's degree from Northwestern Polytechnological University (2019) in China and achieved my master's at Carnegie Mellon University (2021) in the US. I am from Ningbo, a coastal city in southeast China. Ningbo is famous for its seafood and its busy harbor. My research projects are about fabricating nanostructured plasmonic samples as well as building characterization instruments. Moreover, I have some research experience on emerging memory, including OxRAM and PCM devices. Outside the lab, I enjoy exploring Norwegian nature, snowboarding, basketball, travelling to different places and meeting all kinds of people.

Jairo Ramirez-Sarabia, USN:

I am Jairo, a second-year Ph.D. candidate at the University of South-Eastern Norway (USN). Originally from Mexico, I enjoy trying new coffee blends,



cycling, and spending time outdoors. My research focuses on microtechnology techniques to create soft, minimally invasive neural interfaces for the peripheral nervous system. As a student council member, I am committed to helping the TNNN develop and excel. I look forward to working together to create a supportive community that fosters growth and success for all!

Jehona Salaj:

I was born in Croatia but grew up in Montenegro, having moved there during the Yugoslav wars. I finished my BSc studies in Physics at the University of Shkodra "Luigj Gurakuqi" and MSc studies in Photonics at the University of Eastern Finland.



Currently, I am pursuing a PhD in Optical Sensing at UiT The Arctic University of Norway with research interests that include nanophotonics, photonic integrated circuits, and spectroscopy. In addition, I am vice president of the Arctic Optica Student Chapter.

Ylva Knausgård Hommedal:

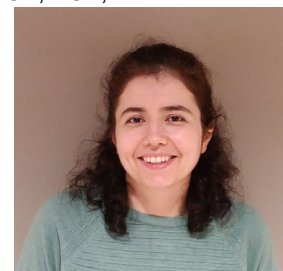
I am a second year PhD student at the semiconductor group, LENS, within the Centre



for Materials Science and Nanotechnology (SMN) at UiO. I have a bachelor's in physics and a did my master's degree at LENS. In my PhD project I work with impurity diffusion in the wide bandgap semiconductor β -Ga₂O₃.

Elif Tezel:

I am a Ph.D. Research Fellow at the University of Oslo, working on investigating the design criteria for active and stable MOF-based catalyst for hydrogenation of CO₂ to high-value chemicals. I am a chemical engineer and chemist with a background in thermal and electro-catalyst designing, solid oxide cell systems, electrochemical measurement techniques, and hydrogen production processes. I completed my B.S. study at the Department of Chemical Engineering at Bogazici University, Turkey. Then, I obtained MSc. degrees from Georgia State University, USA, and Yildiz Technical University, Turkey. Also, I worked on electrocatalyst design and solid oxide cell systems at Wayne State University, USA. I am a member of several academic societies, including AICHE, ACS, ECS, and NKS.





Science Graphic Design presents:

Designing accessible posters for scientific conferences



Via Zoom. 13:00-15:00, May 3rd, 2023

Hosted by The Research School for Training the Next Generation of
Micro- and Nanotechnology Researchers in Norway (TNNN)

Join us for a Poster Design workshop on May 3rd

We've enlisted Melisa Morales Garcia, scientific graphic designer and owner of Science Graphic Design, to show us how it's done. Melisa will walk us through the general principles of graphic design and accessibility and instruct on how to make a visually appealing poster for the upcoming TNNN conference. The workshop will be approximately 2 hours long and held via Zoom on May 3rd at 1:00pm. Register here:

[TNNN Poster Design Workshop](#)

Contributions Welcome

Do you have something you'd like to share with the TNNN community? We accept job announcements, publication announcements, grant/funding calls or kudos, as well as assorted good news of interest to the micro- and nanotechnology community. Send contributions to dionna.ghalambor@ntnu.no.

Are you a PhD student or a postdoc who completed their PhD in Norway?

TNNN needs your help! In order to identify the gaps in micro- and nanotechnology education across Norway, we must first know what is currently available. To assist us with this data collection, we have created a survey where you can let us know what courses you have taken and how relevant you feel each has been to your education. We will use this data to work with our partner

universities to make relevant courses accessible to all micro- and nanotechnology PhD students in Norway. In addition, we will develop new courses to address the gaps in different areas. The survey should take approximately 5-10 minutes to complete. Thank you in advance for your assistance.

[Take the Coursework Survey](#)

TNNN Steering Committee

The TNNN Steering Committee members represent the different university partners and are involved in the planning and implementation of Research School activities.

TNNN Leader:

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TNNN Coordinator and Steering Committee secretary:

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RESEARCH SCHOOL FOR TRAINING THE
NEXT GENERATION OF MICRO- AND NANO-
TECHNOLOGY RESEARCHERS IN NORWAY



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NTNU

Kunnskap for en bedre verden



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KONGSBERG



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