

TNNN newsletter.



Welcome to the 5th annual TNNN Conference

Extended registration deadline

We are glad to announce that the registration deadline has been extended to **Friday, 27 March 2026**.

Haven't registered yet? Register here now.:
<https://nettskjema.no/a/tnnn2026>

Abstracts and poster submission

Deadline for submission of abstracts for oral presentation - **27th of March 2026**

Poster abstracts can be submitted after this deadline, but not later than the **15th of April**

Program highlights

Inspiring invited speakers

See updated abstract from Prof. Balpreet S. Ahluwalia below.

Industry in focus

Networking with industry collaborations of TNNN.

Poster session and dinner at Lager T1

Your opportunity to share your research.

Social program

The PhD council is arranging quiz and games at Work-Work!

Conference dinner at Rockheim Panorama

Enjoy a dinner with a panoramic view over Trondheim.





Social program at the TNNN conference

This year's social program includes a quiz and games at the bar Work-Work in the centre of Trondheim on the **7th of May** before the conference dinner **16:30-18:30**.

The event is organized by the **TNNN PhD Council**.

This is a great opportunity to network and meet new friends in a fun and relaxed environment.



Conference Participation for Master's Students

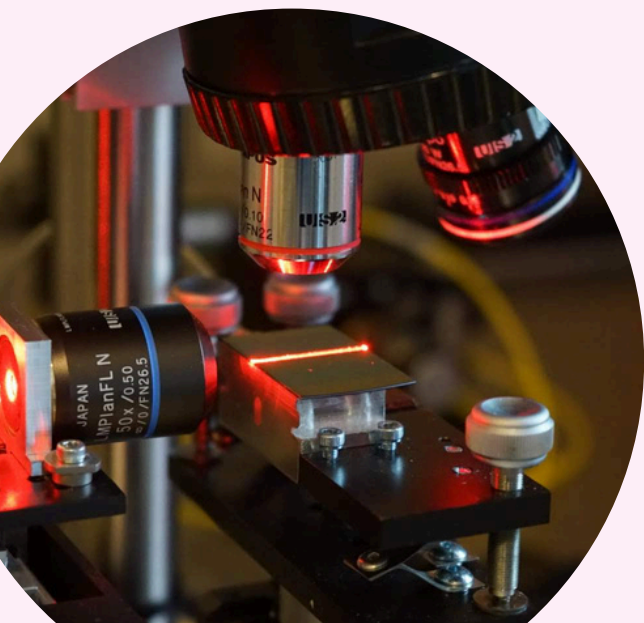
Master's students are also welcome to attend the conference. They cannot participate in the conference dinner and will not have accommodation covered. Registration is completed as usual via the registration form - Supervisors must ensure that the newsletter is forwarded to their master's students.

Know a master student that is interested in attending the conference for free?

TNNN is seeking an enthusiastic student with an interest in photography and videography to document the TNNN Conference.

We are looking for someone who:

- Is a student in the field micro- or nanotechnology - and/or other study programmes with an interest in TNNN's research areas.
- Would like to contribute by taking photos and filming throughout the event.
- Is interested in attending the conference free of charge in exchange for producing visual content.



Meet the invited speakers



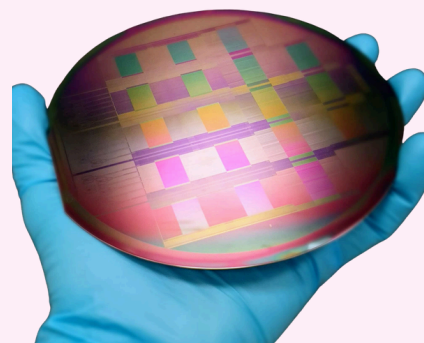
Prof. Balpreet S. Ahluwalia

Title: From Glass Slides to Photonic Chips: A New Era of Multi-Modal Microscopy

Abstract:

For over a century, optical microscopy has relied on the same glass slides and coverslips. By moving biological samples onto photonic chips instead, we unlock a new generation of super-resolution imaging. Chip-based microscopy delivers ultra-thin, high-contrast illumination, supports multiple advanced imaging modes, and enables super-resolved imaging across millimetre-scale areas — opening the door to true high-throughput nanoscopy.

This platform is compatible with living cells, delicate tissues, and even histopathology workflows, making it a powerful tool for exploring nano- and micro-scale structures with unprecedented clarity. Recent developments now even allow label-free imaging and new possibilities for future spatial omics applications.



The speakers introduced in the previous newsletter



Univ.-Prof. Dr. Jani Kotakoski

Title: Atomically precise structures tailored into 2D materials



Assoc. Prof. Mattias Borg

Title: Towards in-memory computing using ferroelectric memristors



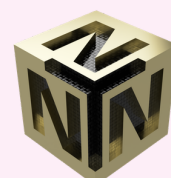
Prof. Anja Boisen

Title: Medical Micro & Nanotechnologies – fast blood analysis and ‘swallow your doctor’



Prof. Dr. Dr. Twan Lammers

Title: Next-Generation Concepts in Cancer Nanomedicine



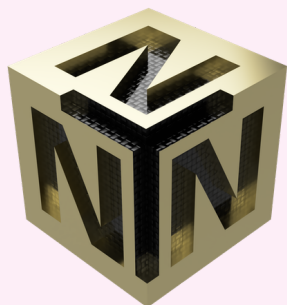
EC Conference 2026

Knut and Julie represented TNNN at the **Electronic Coast conference** on 12 March.

This year's conference tackled a question many technology companies are now facing: **Are we really in control?** Geopolitical uncertainty, new security requirements, stricter rules for technology transfer, and increasingly fragile supply chains are reshaping how Norwegian tech companies can develop, produce, and deliver in the years ahead. These are not abstract scenarios—they are frameworks already shaping contracts, collaborations, and responsibilities.

One of the highlights was a talk by **Peter Köllensperger** from **Norfab** and **NTNU Nanolab**, who spoke about the foundation of technology—how research builds strategic robustness, and why deep tech is not just innovation, but preparedness.

We are glad to have Electronic Coast as our partner.



Any new colleagues?

make sure that they sign up for TNNN membership: <https://nettskjema.no/a/tnnn>

Stay updated!

Follow us on [LinkedIn](#).
Find updated upcoming events on our [webpage](#).

Not a member anymore or changed position? Send us an email.

TNNN'S Partners



Courses for PhD students

TNNN offers travel grants of up to 10,000 NOK to PhD students enrolled at Norwegian universities who wish to attend an intensive or hybrid course at another Norwegian institution. See our course database at: <https://www.ntnu.edu/web/tnnn/phd-courses>

Best regards,



Pawel Sikorski
Leader TNNN



Julie Tetlimo
Coordinator TNNN