

QUANTUM SPINTRONICS 2025

INTERNATIONAL CONFERENCE
JUNE 4TH - 6TH



Qu•
Spin

WELCOME TO QUANTUM SPINTRONICS 2025

CONFERENCE CENTER

Hotel Scandic Nidelven, Havnegata 4, Trondheim

HOTEL ACCOMMODATION

Hotel Scandic Nidelven, Havnegata 4, Trondheim

CONFERENCE DINNER

Dokkhuset, Dokkparken 4, 7042 Trondheim

QUSPIN CENTER

Realfagbygget, E5, Høgskoleringen 5, Trondheim

[REGISTER HERE](#)



SCANDIC NIDELVEN



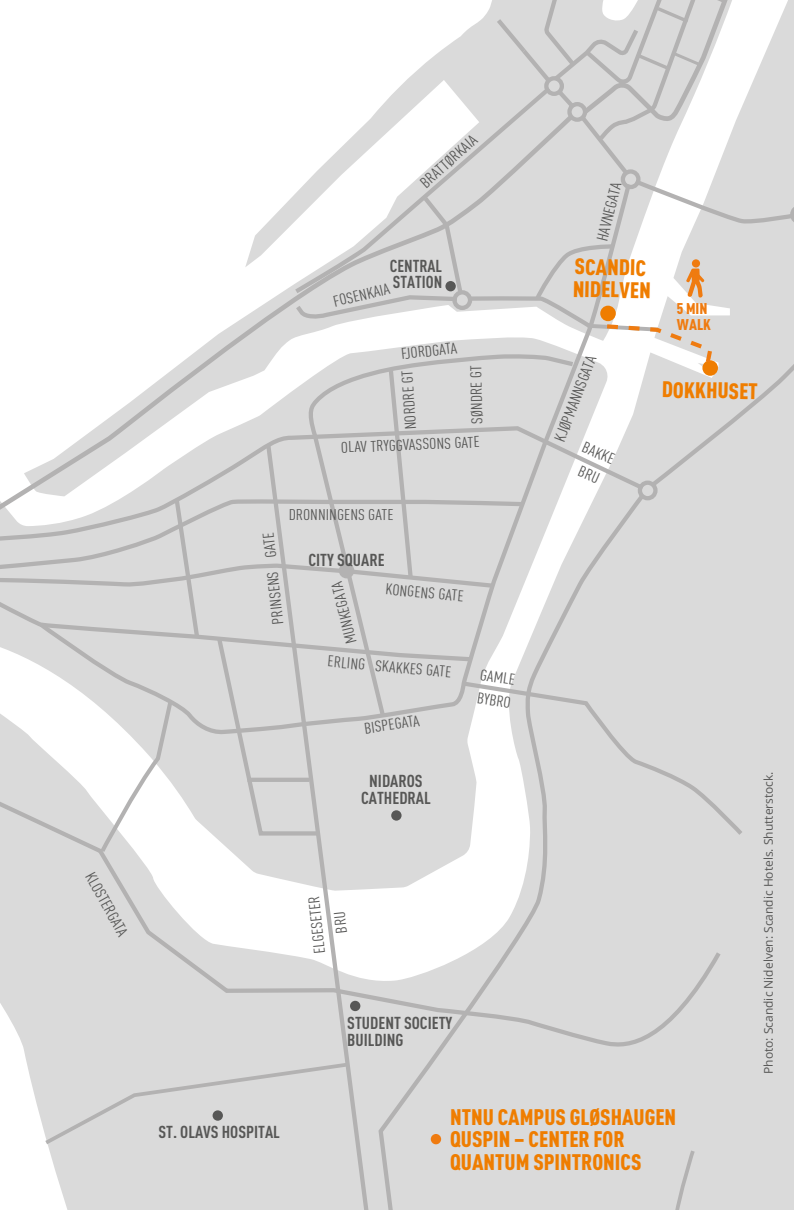
DOKKHUSET



CITY WALK



QUSPIN CENTER



CENTRAL
STATION

SCANDIC
NIDELVEN

5 MIN
WALK

DOKKHUSET

CITY SQUARE

NIDAROS
CATHEDRAL

STUDENT SOCIETY
BUILDING

ST. OLAVS HOSPITAL

NTNU CAMPUS GLØSHAUGEN
• QUSPIN – CENTER FOR
QUANTUM SPINTRONICS

PRACTICAL INFORMATION

AIRPORT BUS:

<https://www.vaernesekspresen.no>

Tickets can be bought on the bus.

"Solsiden" is the bus stop closest to the hotel.

There is a 5 minute walk to hotel Scandic Nidelven.

LOCAL TAXI:

<https://www.trondertaxi.no>

Phone: + 47 07373

CITY BUS:

<https://www.atb.no/en/>

PAYMENT METHOD:

Credit/debet card or Apps is mostly used in restaurants, shops and on transport.

Participation fee covering the conference including lunch and conference dinner.

Regular fee. NOK 6000,-

Student fee: NOK 4500,-

REGISTER HERE

WEDNESDAY

JUNE 4TH

08.30 - 09.00

Registration and morning coffee

09.00 - 09.05

Asle Sudbø, QuSpin

Opening remarks

TALKS WITH 30-MINUTES PRESENTATIONS AND 15-MINUTES Q&A FROM THE AUDIENCE

Host morning session Asle Sudbø, QuSpin

09.05 - 09.50

Angelo Di Bernardo, University of Salerno, Italy

Exotic nanoflakes for the realisation of novel van der Waals/non-van der Waals hybrids.

09.50 - 10.05

Break

10.05 - 10.50

Annika Johansson, Max-Planck Institute, Germany

Spin and orbital transport in oxide interfaces.

10.50 - 11.05

Break

11.05 - 11.50

Caroline A. Ross, MIT, USA

Anisotropy landscapes and magnetization dynamics in garnets and garnet heterostructures.

11.50 - 12.00

Break with fresh air by the river

12.00 - 13.00 LUNCH

Host afternoon session Hendrik Bentmann, QuSpin

13.00 - 13.45

Daniel Agterberg, University of Wisconsin Milwaukee, USA

Microscopic Models for Altermagnetism.

13.45 - 14.00

Break

14.00 - 14.45

Giorgio Sangiovanni, University of Würzburg, Germany

Mott insulators with boundary zeros.

14.45 - 15.00

Break

15.00 - 16.00 POSTER SESSION

16.30- 18.00 SCIENCE MINGLING

THURSDAY

JUNE 5TH

08.30 - 09.00

Morning coffee

Host morning session Arne Brataas, QuSpin

09.00 - 09.45

Libor Šmejkal, Johannes Gutenberg University of Mainz,
Germany

Altermagnetism: spin symmetry prediction and experimental evidence.

09.45 - 10.00

Break

10.00 - 10.45

Johan Åkerman, University of Gothenburg, Sweden

*Fundamentals and applications of very large arrays of very small
spin Hall nano-oscillators.*

10.45 - 11.00

Break

11.00 - 11.45

Karin Everschor-Sitte, University of Duisen-Essen, Germany

Topological characterization of 3D magnetic textures.

11.45 - 12.00

Break with fresh air by the river

12.00 - 13.00 LUNCH

Host afternoon session Sol Jacobsen, QuSpin

13.00 - 13.45

Hendrik Bentmann , Norwegian University of Science and Technology, Norway.

Quantum physics and photoemission: A lifetime of joy and love.

13.45 - 14.00

Break

14.00 - 14.45

Peter Wadley, University of Nottingham, UK

Altermagnetism imaged and controlled down to the nanoscale.

14.45 - 15.00

Break

15.15 - 15.45 GROUP PHOTO SESSION

15.45 - 16.00

Break

16.00 - 17.00 LEISURE TIME

CITY WALK

18.30 - 21.00 CONFERENCE DINNER AT DOKKHUSET SCENE

FRIDAY JUNE 6TH

08.30 - 09.00

Morning coffee

Host morning session Jacob Linder, QuSpin

09.00 - 09.45

Kjetil Hals, University of Agder, Norway

Unconventional spin phenomena in noncollinear antiferromagnets.

09.45 - 10.00

Break

10.00 - 10.45

Tero Heikkilä, University of Jyväskylä, Finland

Magnetoelectric effects in disordered superconductors.

10.45 - 11.00

Break

11.00 - 11.45

Tomas Löfwander, Chalmers University of Technology,
Sweden

Competition between magnetic and phase crystal order at edges of d-wave superconductors.

11.45 - 12.00

Break with fresh air by the river

12.00 - 13.00 LUNCH

Host afternoon session Christoph Brüne, QuSpin

13.00 - 13.45

Yaroslav Tserkovnyak, University of California, USA
Quantum magnonics via color centers.

13.45 - 14.00

Break

14.00 - 14.45

Pavlo Sukhachov, University of Missouri, USA
Electronic properties of unconventional magnets.

14.45 - 14.55 ANNOUNCEMENT OF BEST POSTER

14.55 - 15.00

Asle Sudbø, QuSpin

Closing remarks.

Next year's Quantum Spintronics 2026, June 3-5.

The program may be subject to change

**ORGANISED BY THE CENTER FOR QUANTUM
SPINTRONICS (QUSPIN)**

Asle Sudbø, Arne Brataas, Jacob Linder,
Hendrik Bentmann and Karen-Elisabeth Sødahl

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