

QUANTUM SPINTRONICS 2021

INTERNATIONAL WORKSHOP

DECEMBER 1ST - 2ND

ORGANISED BY THE CENTER FOR QUANTUM SPINTRONICS (QUSPIN)

By Arne Brataas, Asle Sudbø, Jacob Linder and
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Realfagsbygget, E5, Høgskoleringen 5, Trondheim



WELCOME TO QUANTUM SPINTRONICS 2021

CONFERENCE CENTER

Hotel Scandic Nidelven, Havnegata 4, Trondheim

APERITIF AND GUIDED TOUR

The K.U.K. Art Center, Kjøpmannsgata 38, Trondheim

WORKSHOP DINNER

Restaurant Gubalari, Kjøpmannsgata 38, Trondheim

QUSPIN CENTER

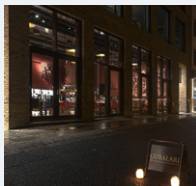
Realfagsbygget, E5, Høgskoleringen 5, Trondheim



SCANDIC NIDELVEN



K.U.K. ART CENTER



RESTAURANT GUBALARI



QUSPIN CENTER

WEDNESDAY DECEMBER 1ST

08.30 - 09.00

Registration and morning coffee

09.00 - 09.05

Arne Brataas

Opening remarks

TALKS WITH 30 MINUTES PRESENTATIONS AND 10 MINUTES Q&A

09.05 - 09.45

Elke Scheer (University of Konstanz, Germany)

Tunnel and transport spectroscopy on S-FI-N and S-FM-S systems

09.45 - 10.00

Break

10.00 - 10.40

Chris Palmström (University of California at Santa Barbara, USA)

Growth and studies of epitaxial topological semimetals

10.40 - 10.55

Break

10.55-12.00 POSTER SESSION

12.00 - 13.00

Lunch

13.00 - 13.40

Oliver Monti (University of Arizona, USA)

Controlling spin structure and texture at low-dimensional interfaces

13.40 - 13.55

Break

13.55 - 14.35

Angelo Di Bernardo (University of Konstanz, Germany)

Orbital loop current magnetism in an unconventional superconductor

14.35 - 14.50

Break

14.50 - 15.30

Jagadeesh Moodera (Massachusetts Institute of Technology, USA)

Quantum driven phenomena in hybrid systems - In search of Majorana bound states (On Zoom)

15.30 - 16.30 GROUP PHOTO SESSION

All

16.30 - 16.45

Walk to the aperitif

17.00 - 17.45

Aperitif & guided tour at the K.U.K. Art Center

"It's just a phase" - An international exhibition

18.00 - 20.30

Workshop dinner at Restaurant Gubalari

THURSDAY DECEMBER 2ND

08.30 - 09.00

Morning coffee

09.00 - 09.40

Ewelina Hankiewicz (University of Wurzburg, Germany)

Fingerprint of Majorana bound states in heat transport and thermodynamics (On Zoom)

09.40 - 09.55

Break

09.55 - 10.35

Farkhad Aliev (Universidad Autónoma de Madrid, Spain)

Superconducting spintronics with spin-orbit coupling and symmetry filtering

10.35 - 10.50

Break

10.50 - 11.30

Dennis Meier (Norwegian University of Science and Technologies, Norway)

Functional topological solitons in chiral and non-chiral materials

11.30 - 12.00 POSTER SESSION

12.00 - 13.00

Lunch

13.00 - 13.40

Allan H. MacDonald (University of Texas at Austin, USA)

Non-magnetic metals as magnon reservoirs

13.40 - 13.55

Break

13.55 - 14.35

Anna Isaeva (Dresden University of Technology, Germany)

MnBi₂Te₄-based intrinsic magnetic topological insulators: materials optimization towards higher critical temperatures

14.35 - 14.50

Break

14.50 - 15.00

Arne Brataas

Closing remarks.

Next year's Quantum Spintronics 2022

The program might be subject to change