

Fysikermøtet - National Physicists' Meeting 2023

Bergen 9.-11. August 2023

Conference venue: Vilvite - Thormøhlens gate 51

Wednesday 9th of August

10:00-10:30 Registration and Coffee

10:30-13:00 Plenary session

- 10:30-10:45 Welcome to Bergen and UiB
Hilde Nesse, Vice president
- 10:45-11:15 Hva jeg lærte av Penrose og Zeilinger
Torkild Jemterud from NRKs Abel's Tower
- 11:15-11:45 Introduction of the nominees for the outreach award.
11:45-12:30 Annual meeting, *Norwegian Physical Society*

12:30-13:30 Lunch

13:30-15:30 Parallel sessions

- Undervisning i fysikk/Teaching physics (Auditorium)
Subatomic physics and astrophysics (Konferanserom AB)
Space, plasma and climate physics (Konferanserom CD)
- 15:30-16:00 **Coffee break**

16:00-17:00 Plenary session

- 16:00-16:30 Treating cancer with proton radiotherapy
*Camilla Stokkevåg, medical physicist, researcher and Associate Prof. II
Haukeland University Hospital/UiB*
- 16:30-17:00: Setting the story straight about how vibrating surfaces produce sound
*Erlend Magnus Viggen, Researcher, Department of Circulation and Medical
Imaging, NTNU*
- 17:00-19:00 **Aperitif and physics exhibition at Vilvite**

Thursday 10th of August

09:00-10:00 Plenary Session

- 09:00-09:30 Energy for everyone: Is solar energy the solution?
*Dhayalan Velauthapillai, Group leader, Advanced Nanomaterials for Clean
Energy and Health Applications, Professor in physics, HVL*
- 09:30-10:00 Exploring the early universe with James Webb Space Telescope: the importance of |
spectroscopy
*Dr. Emma Curtis-Lake, STFC Webb Fellow, Centre for Astrophysics Research,
University of Hertfordshire*
- 10:00-10:20 **Coffee break**

10:20-12:00 Parallel sessions

- Undervisning i fysikk/Teaching physics (Auditorium)
Space, plasma and climate physics (IFT, AB)
Biophysics and Medical Technology (Konferanserom CD)

12:00-13:00 **Lunch**

13:00-14:40 **Parallel session**

Undervisning i fysikk/Teaching physics (Auditorium)
Subatomic physics and astrophysics (Konferanserom AB)
Biophysics and Medical Technology (Konferanserom C)
Space, plasma and climate physics (IFT, D)

14:40-15:00 **Coffee break**

15:00-17:00 Plenary session – Nuclear power

15:00-15:30 International Nuclear Power Perspectives – And What About Norway?
*Ole Christen Reistad, Head of radiation protection, Agilera Pharma AS,
former reactor manager, JEEP II, Kjeller*

15:30-16:00 Seaborg's Molten Salt Reactor
Esben Klinkby, Seaborg Technologies - Co-founder & Head of Analysis, PhD

16:00-16:10 **Coffee break**

16:10-17:00 Panel debate on nuclear power
*Ole Christen Reistad, Head of radiation protection, Agilera Pharma AS,
former reactor manager, JEEP II, Kjeller
Esben Klinkby, Seaborg Technologies - Co-founder & Head of Analysis, PhD
Dieter Röhrich, Professor, Nuclear physics, IFT, UiB
Jonny Hesthammer, CEO, Norsk Kjernekraft AS*

19:00 **Dinner at Søtt og Salt - Lanternen**

Friday 9th of August

09:00-11:10 **Parallel session**

Undervisning i fysikk/Teaching physics (Auditorium)
Subatomic physics and astrophysics (Konferanserom AB)
Optics (Konferanserom C)
Condensed Matter Physics and Atomic physics (Konferanserom D)

11:15-11:30 **Coffee break**

11:30-12:00 **Plenary session**

11:30-12:00 Engasjerende fysikk: Bruk av kropp og sanser for økt forståelse
*Magdalena Kersting, Førsteamanuensis i naturfagdidaktikk ved Institut for
Naturfagenes Didaktik, Københavns Universitet.*

12:00-13:00 **Lunch**

13:00-15:00 **Plenary session**

13:00-13:15: European Physical Society, their first Forum and plans for the next Forum
*Anna Lipniacka, Professor, University of Bergen / Board of the European
Physical Society*

13:15-13:30: *Winner of Martin Landrø's prize*

13:30-13:45: *Winner of Martin Landrø's prize*

13:45-14:00: *Winner of the teaching award*

14:00-14:15: *Winner of the outreach award*

14:15-14:30: *Closing Remarks*