

IFT-Posten

Nytt fra Institutt for fysikk & teknologi
Universitet i Bergen



Instituttlederens leder

Årets første IFT-posten kommer sammen med store snømengder og litt trafikkaos, men ellers er vi tilsynelatende i god gjenge på instituttet. Semesteret har startet og de aller fleste kursene hadde sin første forelesning denne uken.

Nå er vi også godt i gang med å tenke på jubileet vårt. Som kjent fyller instituttet 75 år 18. mai, og vi har reservert det store auditoriet på VilVite til festseminar fredag 24/5. Der tenker vi at det skal bli et spennende program med interne og inviterte foredragsholdere med bred og populærvitenskapelig kompetanse som setter instituttets forskningsaktivitet de siste 75 år i perspektiv. Samme kvelden blir det jubileumsfest på hotell Grand Terminus med historisk perspektiv, underholdning, god mat og drikke og kanskje litt faglig innhold. Der blir det også rom for å ta med sin partner, muligens med en liten egenandel.

I den nærmeste tiden trenger vi hjelp til å finne gode foredragsholdere som kan belyse hele instituttets bredde før og nå, og dere kan også gjerne komme med forslag til gjester vi burde huske å invitere. Vi har selvfølgelig allerede pensjonistene våre og alle ansatte på invitasjonslisten. Ellers er dere svært velkommen til å melde dere til større eller mindre oppgaver i forbindelse med arrangementene. Vi trenger folk til seminarkomite, festkomite og til å skrive om instituttets historie i IFT-posten.

Ha en riktig god helg!
Kjetil



Foto: Kjetil Ullaland

Ukens publikasjoner (Web of Science)

Eikehaug, K., Haugen, M., Folkvord, O., Bemali, B., Larsen, E.B., Tinkova, A., Fernø, M., et al. (2024), Engineering Meter-scale Porous Media Flow Experiments for Quantitative Studies of Geological Carbon Sequestration, *Transport in Porous Media*, doi: 10.1007/s11242-023-02025-0

Kosinska A., Balakin, B.V., Kosinski, P. (2023), Exploring the use of nanofluids in pump-free systems for solar thermal applications, *Scientific Reports*, doi: 10.1038/s41598-023-44375-1

Ullestad, O.A., Liu, Z.H. (2024), The application of the coupled acoustic-structural approach (CASA) method on the free vibration of submerged structures, *Ocean Engineering*, doi: 10.1016/j.oceaneng.2023.116509

Xiu, Z.F., ... Oksavik, K., et al. (2024), Direct Observation of the Space Hurricane Disturbed Polar Thermosphere, *Geophys. Res. Ltrs.*, doi: 10.1016/j.oceaneng.2023.116509

Eigen, G., Zalieckas, J., and the CALICE Collaboration (2023), Design, construction and commissioning of a technological prototype of a highly granular SiPM-on-tile scintillator-steel hadronic calorimeter, *J. Instrumentation*, doi: 10.1088/1748-0221/18/11/P11018

Buanes, T., Djuvsland, J., Eigen, G., Fomin, N., Lee, G.R., Lipniacka, A., Maeland, S., dit Latour, B.M., Stugu, B., Traeet, A., and the ATLAS Collaboration (2023), Measurement of exclusive pion pair production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector, *Eur. Phys. J. C*, doi: 10.1140/epjc/s10052-023-11700-x

Buanes, T., Djuvsland, J., Eigen, G., Fomin, N., Lee, G.R., Lipniacka, A., Maeland, S., dit Latour, B.M., Stugu, B., Traeet, A., and the ATLAS Collaboration (2023), Search for periodic signals in the dielectron and diphoton invariant mass spectra using 139 fb⁻¹ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector, *J. High Energy Phys.*, doi: 110.1007/JHEP10(2023)079

Buanes, T., Djuvsland, J., Eigen, G., Fomin, N., Lee, G.R., Lipniacka, A., Maeland, S., dit Latour, B.M., Stugu, B., Traeet, A., and the ATLAS Collaboration (2023), Search for dark matter produced in association with a Higgs boson decaying to tau leptons at $\sqrt{s}=13$ TeV with the ATLAS detector, *J. High Energy Phys.*, doi: 10.1007/JHEP09(2023)189

Prøveforelesninger

Michael Madelaire

vil holde følgende prøveforelesning for PhD-graden med *oppgitt emne*:

The Age of the Moon

Tid: Torsdag 25. januar 2024, kl 12:15

Sted: Rom 292, IFT

Veiledere

Karl Magnus Laundal
Jone Peter Reistad

Komité

Leder: Johan Alme
Medlem: Kjartan Olafsson
Medlem: Camilla Sætre

Kristine Fjellanger

vil holde følgende prøveforelesning for PhD-graden med *oppgitt emne*:

Akseleratorer for medisinsk bruk

Tid: Tirsdag 30. januar 2024, kl 10:15

Sted: Rom 292, IFT

Veiledere

Liv Bolstad Hysing
Helge Emil Seime Pettersen
Ben J.M. Heijmen

Komité

Leder: Bjørn Johan Arntzen
Medlem: Arne Skodvin Kristoffersen
Medlem: Julia Isabell Djuvsland

Arrangementer



HySchool Days 2024

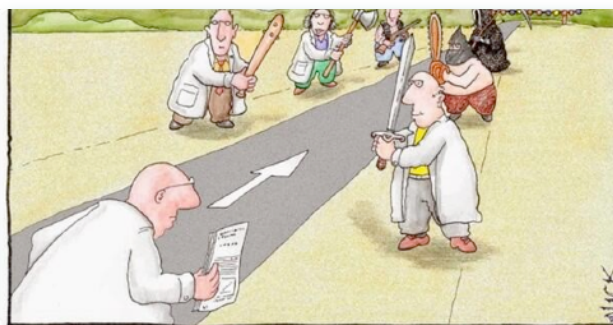
NETWORKING EVENT (NTNU, TRONDHEIM)

The primary objective of HySchool is to contribute to the global energy transition by enhancing the quality of Norwegian doctoral training on the use of hydrogen and hydrogen-based fuel as energy carriers in society. PhD students from all universities and university colleges in Norway can be admitted to HySchool, provided research on hydrogen and/or hydrogen-based fuels is an important part of the doctoral project.

[READ MORE HERE](#)

[REGISTER](#) | **DEADLINE: 31 JANUARY, 2024**

23-24 APR



COURSE FOR YOUNG RESEARCHERS

Proposal Writing for Dummies

To be successful in getting external funding for research projects, it is not enough to be a talented, pioneering researcher. You must also master the art of writing solid applications that engage the evaluators.

[Click here](#) to find out more about the course contents and to register.

Deadline for registration: 19 January / 23:00

23 JAN



KUNNSKAPSEPLET

POPVIT I BIBLIOTEKET

KUNNSKAPSEPLET

En reise gjennom mysteriet av det menneskelige genoms "mørke materie"

Dr. Maria Johansen (Math. Inst.), vil utforske de resterende ikke-kodende genene – populært kalt "genoms mørke materie". Disse genene kan være nøkkelen til å forstå fysiologien vår, inkludert kreft og andre funksjonsfeil.

STED: MATNAT BIBLIOTEKET, REALFAGSBYGGET

TIME: 14:15 – 15:00

[LES MER](#)

25 JAN (14:15 – 15:00)



AAREBROTFORELESNINGEN

Årets Aarebrot forelesningen skal holdes av økonom **Karl Ove Moene**.

De 200 minuttene han har til rådighet under Aarebrotforelesningen skal han bruke på å ta opp en generell utfordring han brenner for:

– Både for Norge og andre land er spørsmålet: Etter 100 år med markedsorientert sosialisme for materielle forbedringer, hva vil nå skje?

STED: [Kvarteret](#) og på [nett](#)
[LES MER](#)

21 JAN (18.00 – 21.30)

Arrangementer

SDG Conference in Bergen



THIS YEAR'S THEME

The role of universities in transformative change

This **digital conference** provides new opportunities to present emerging research by motivated researchers addressing the conference theme. We invite all **PhDs and postdoctoral researchers** interested in presenting a video-poster on their research and how it relates to the theme of the upcoming conference.

Deadline for submitting a 2-minute video-poster:
31 January, 2024

[READ MORE & REGISTER](#)

7-9 FEB



SEMINAR

Tenth Anniversary Seminar

We will share some of what we have learnt through 10 years of educational development and educational research. The seminar will end with a reception with refreshments.

PLACE: UNIVERSITY AULA

REG. DEADLINE: 06 FEB | 12:00

[READ MORE](#)

6 MAR (12:00 – 17:00)



COURSE

How to Write a Competitive CV for the Industry?

The "industry" is everything that is not academia. The course will teach you how to develop customized resumes and how to tailor the cv for a position.

PLACE: STUDENTSENTERET, SEMINAR ROOM A

DEADLINE: 09.02 | 23:55

[READ MORE](#)

12 FEB (09:00 – 11:00)



Momentum

CAREER

Career Development Program for Early Stage Researchers

Momentum is UiB's flagship development program for early stage researchers – postdocs, researchers or associate professors – who wish to pursue an academic career at a research university.

The Momentum Program includes five seminars, planned to run between September 2024 and June 2025.

The call for applications to Momentum will be announced in January/February 2024.

[READ MORE HERE](#)

Utlysninger

SEMINAR

UTFORSK CALL 2024

This seminar offers an introduction to UTFORSK, a measure under the Norwegian government's strategy for cooperation on higher education and research with Brazil, Canada, China, India, Japan, South Africa, South Korea and the USA, the Panorama Strategy.

Among other discussion topics: How to write a convincing application

REG DEADLINE: 30 JANUARY, 2024 | 12:00 CET
[READ MORE](#) | [REGISTER](#)

31 JAN (09:00 – 11:00)



UTFORSK 2024 – Call

The Norwegian Directorate for Higher Education and Skills announces up to NOK 90 million in funding to educational partnerships between higher educ. institutions in Norway and Brazil, Canada, China, India, Japan, South Africa, South Korea, and the United States of America (USA).

APPL DEADLINES: 15 APR, 2024 | 12:00 CET
[READ MORE](#) | [APPLY](#)



Call for Applications

If you – or your organisation – are working within the field of education and training, you can now apply for Nordplus funding for transnational student, pupil, learner or teacher mobility, as well as joint project and network activities between educational institutions and organisations in Denmark, Estonia, the Faroe Islands, Finland, Greenland, Iceland, Latvia, Lithuania, Norway, Sweden and Åland.

APPL DEADLINE: 1 FEB, 2024
[READ MORE](#) | [APPLY](#)



Erasmus Mundus Joint Masters (organisations) | Erasmus+ (europa.eu)

Erasmus Mundus Joint Masters are high-level and integrated study programmes, at the Master's level. They are designed and delivered by an international partnership of higher education institutions. An EMJM involves at least three HEIs from three different countries, of which at least two must be EU Member States and third countries associated to the Programme (previously called Programme Countries)

APPL DEADLINE: 15 FEB, 2024 | 17:00 CET
[READ MORE](#) | [APPLY](#)



Fulbright Arctic Initiative IV (FAI IV)

The U.S. Department of State's Bureau of Educational and Cultural Affairs is pleased to announce the 4th round of the Fulbright Arctic Initiative (FAI IV) for scholars and professionals from the U.S. and the seven other Arctic Council member countries.

FAI IV will provide a platform for scholars from across the Arctic region to engage in collaborative thinking, analysis, problem-solving and multidisciplinary research in three main thematic areas:

- Climate Change and Arctic Resources
- Arctic Security and Governance
- Mental Health and Well-Being

For more information, and to check eligibility, [CLICK HERE](#).

APPL DEADLINES FOR NORWEGIAN SCHOLARS: MARCH 1, 2024

Nyttige lenker

IFT

- Nettsider for IFT
- Kontaktinfo for IFT-adm.
- Fagutvalget ved IFT / Facebook
- Fagutvalget for Havteknologi (Facebook)
- Tidligere utgaver av IFT-posten

UiB

- Gender Act – prosjekt for kulturendring & kjønnsbalanse
- HMS-portalen
- Ledige stillinger ved UiB
- Nye doktorgrader ved UiB
- Nyhetsbrev fra UiB Aktuelt
- UiBs ansattsider
- UiB nyttige lenker
- Universitetsbiblioteket Fysikk og Teknologi
- The UiB Magazine (English)

MatNat

- Alment om bibliotek for realfag
- Fakultetets nettsider
- Fakultetsstyret
- Fakultetets strategiplan

Tjenester

- Campusbussen
- Cristin (forskningsregister)
- LYDIA (transport)
- Nettavisen På Høyden
- Selvbetjeningsportalen (DFØ)
- Pubmed
- Telefonkatalogen (internt ved UiB)
- UiBhjelp
- UiB Tilgang (brukerkonto)

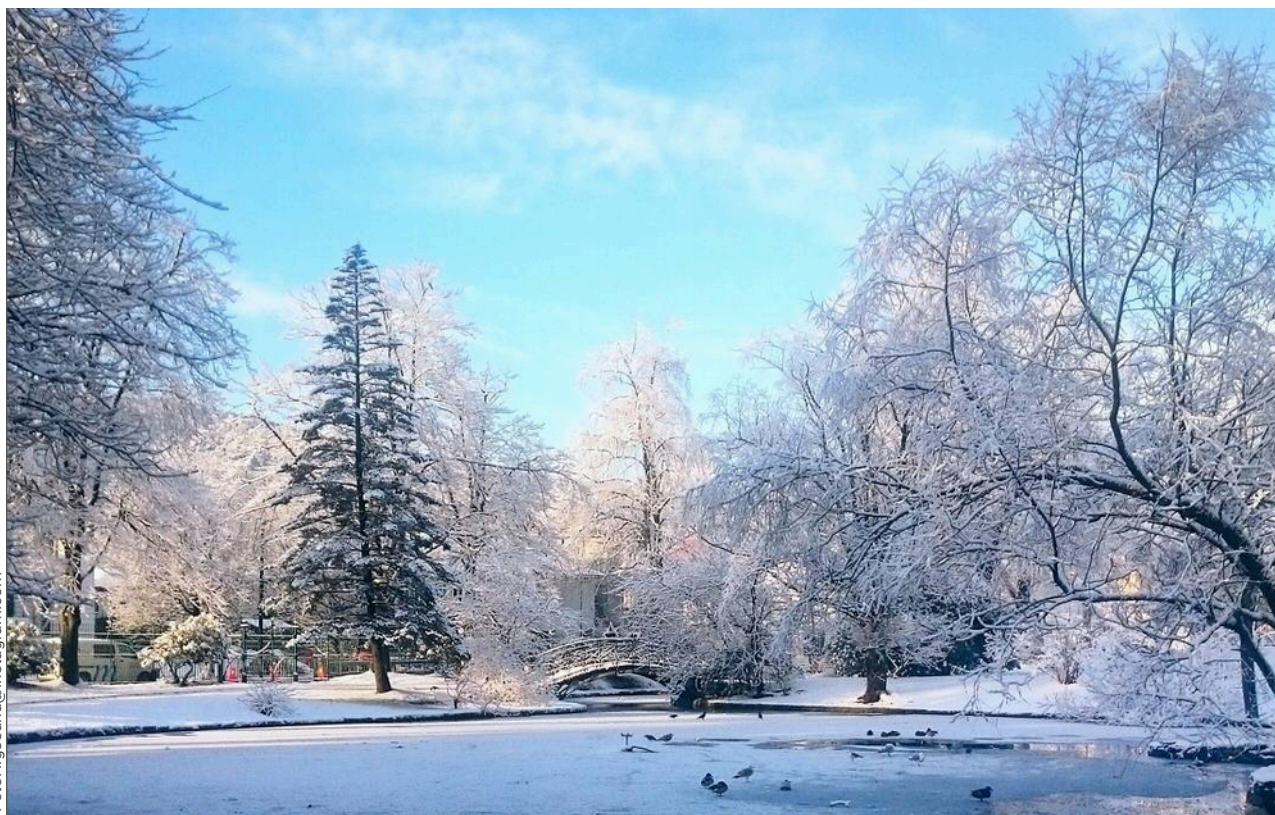


Foto: iigesund@instagram.com

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