

IFT-POSTEN

NYTT FRA INSTITUTT FOR FYSIKK
OG TEKNOLOGI
UNIVERSITETET I BERGEN

Department Head's Intro

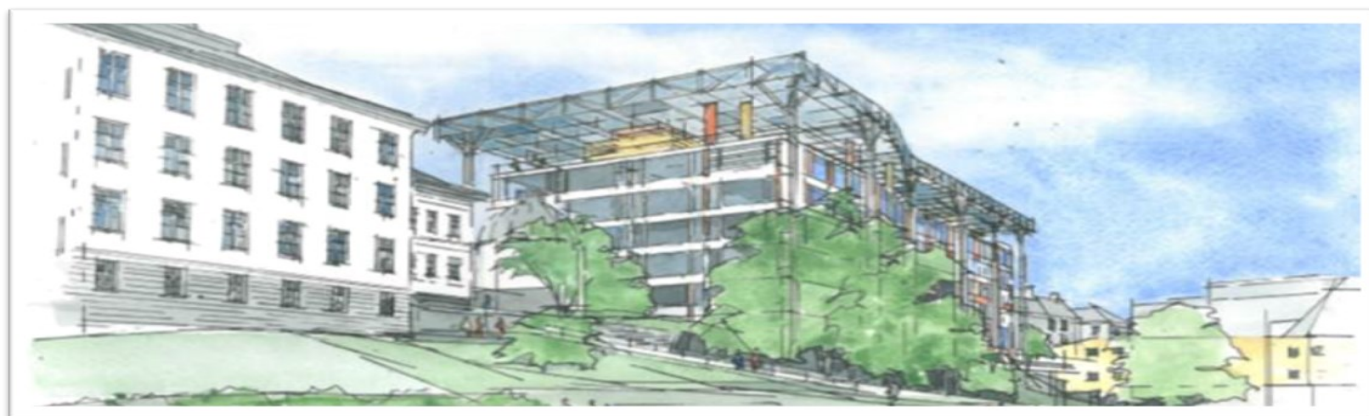
Finally it seems like spring has arrived, and today we have enjoyed the sun already from 07.03 am. I've just had a short trip to Copenhagen Science City where, in addition to the spring sun, one could also catch an inspiring glimpse of how they support the renewal of their areas and buildings.

Here in Bergen we'll have a renewed area ready for moving in to on the lightest day of 2019. This is according to well-informed sources. To be more precise, this will occur at 1.40 pm, June 21st. This occasion will be preceded by a board decision and a few other minor challenges that will take place before we schedule the opening ceremony and mark it in our calendars. There is, however, a lot of optimism surrounding this project at the moment.

As far as our department is concerned, the most important question for the time being is whether we will get a chance to build a salt-water pool for acoustic experiments. This would be a great opportunity for strengthening cooperation on research and innovation between our department, research institutes, and the regional industry. There are, however, some who seem to think that such a pool might influence the final price of the building. Time will show, but if we are to listen to the wisdom of an almanac writer who often gets quoted in this column, we can keep up the optimism. His insight, which we lean on in this situation, is:

An investment in knowledge always pays the best interest.

Have a great weekend, Øyvind



Announcement of research grants in Akademiaavtalen 2015

The Academic Agreement (Akademiaavtalen) between Statoil and UiB has been signed in October 2013 with an agreed period of up to 5 years (2014-18) and a budget of up to 55 million NOK (11 million per year). The background for this agreement is the further development of the long-term cooperation between UiB and Statoil. The goal is to stimulate basic research and education within the strategically important subject areas both for UiB and Statoil. The Akademiaavtalen should also be used strategically in order to stimulate cooperation within the chosen areas internally at UiB, and with the corresponding fields within Statoil.

One can apply for funds for research projects (PhD, PostDoc, Prof II, temporary professorship / bridge financing, possibilities for industrial financing in relevant Norwegian Research Council projects), as well as for Master students and research assistants' field trips.

[Read here for more information.](#)



Solar Eclipse at Nygårdsparken

On Friday, March 20th, there will be a solar eclipse in the Northern hemisphere, and at Svalbard it will reach 100 % eclipse for 2-3 minutes. Here in Bergen, we will experience ca. 92 - 93 % eclipse, which is the most we have experienced for several decades. Next time you get a chance to see equally high percentage of solar eclipse here in Norway will be in 2061!

The Birkeland Center for Space Science/ VilVite-center/ Nordahl Grieg high school are going to have an informal arrangement at the bottom of Nygårdsparken (at the fountain), assuming that there is no rain.

Time: between the hours of 9:30 and 12:00.

We provide sunspotters, telescope and solar eclipse glasses.

[Here you can read more about the solar eclipse on Friday.](#)



Stamatina Karakitsiou

Prosessteknologi

Veiledes av Alex Hoffmann og Bodil Holst

Hi, I'm Matina Karakitsiou from the lovely and sunny country of Greece. I was born in Athens 31 years ago, where I also grew up. My father is a professor at the University of Athens, and my mother is an architect. I also have two siblings; a younger sister and a little brother aged six.

After finishing High School, I went to [Ioannina](#), a middle sized city in the northwest, but with a rather large university environment. Here I studied material science, before moving back to Athens where I completed a master's degree in chemistry. Before I came to Norway, I spend some months in Slovenia where I worked as a researcher.

I'm doing my PhD in cooperation with two groups, Process Technology (Multiphase Systems) and Nanophysics. I am designing and making apparatus that can measure gas diffusion through channels. The channels will vary from micro- to nanosized. Gas permeability of black shale will also be tested with the same apparatus. This is the aim of my thesis, which hopefully I will finish shortly.

Outside work, I like to travel a lot, especially abroad. Recently, I have been to Iceland, Denmark and Sweden, and of course Greece which is my favourite destination. I am a social person that likes to chat with people. I think that friendship and group work is the key word for success and happiness. During the week I often go to swim in the swimming pool at the Student Centre (SiB), and I also attend yoga courses in order to relax. In the weekends, I like to go shopping and having coffee with my friends. Also, I enjoy skiing, dancing, table tennis and basketball. I can participate in basically every activity that is challenging and fun, and you can join me if you want to!



Invitation to a gathering of PostDocs and Researchers at IFT

Thomas Kaltenbacher would like to invite all the temporary research employees at IFT to an informal gathering, on Thursday, March 26th. We intend to serve pizza, soft drinks and some beer, accompanied by a Quiz, and all will hopefully get a chance to get to know each other a bit better. The aim is that all of the 27 PostDocs and temporarily employed researchers at IFT will join this informal party.

Where: Bachelor Room (room 359), third floor, IFT.

When: Thursday, March 26th, from 17:00.

How: send an e-mail to Thomas.Kaltenbacher@uib.no,

where you confirm your participation. If you want vegan pizza, remember to spell it out!



Special Offers from UiB

The Simple Minds play at Verftet, on March 19th.

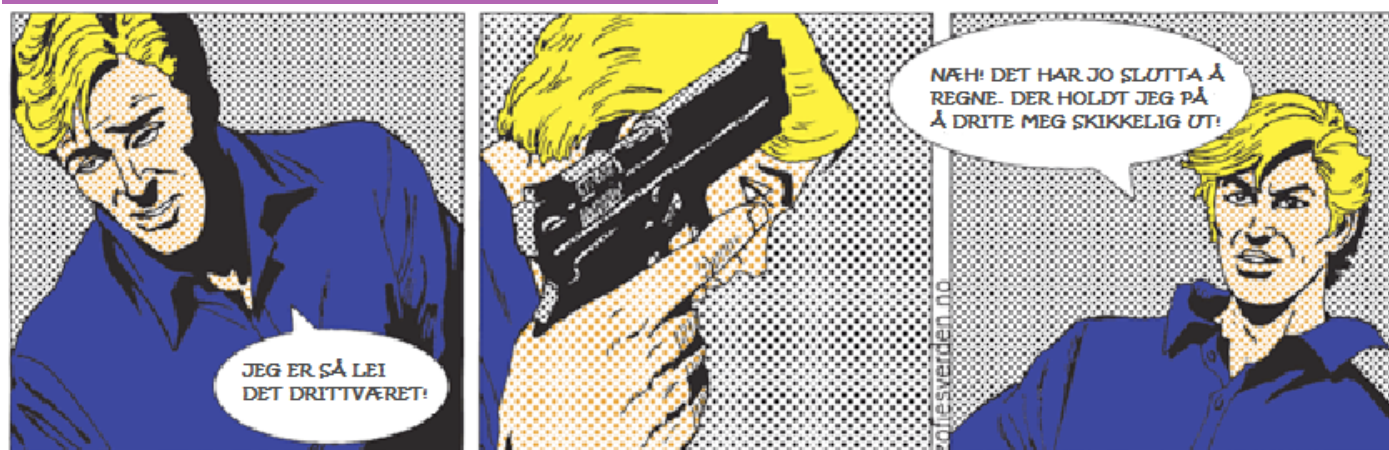
Special offer to all UiB employees: 485 NOK (full price 595 NOK). In order to book your ticket, call the Ticket Office at Grieghallen, at 55 21 61 50, and remember to specify that you're an employee at UiB.



Ski passes for sale at **Eikdedalen skisenter**.

Prices are: Adults 16 yr+: Daily pass 270 NOK (full price 330 NOK) max. 2 passes. Kids 7-15 yr: Daily pass 210 NOK (full price 270 NOK) max. 4 passes.

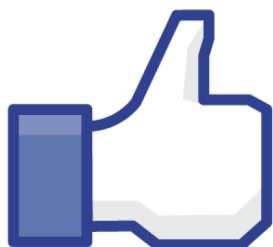
Send your enquiries to post@poa.uib.no



H-bar is open every Friday from 19.00 - 01.00.

On Tuesdays, every even-numbered week, there are organized public lectures at H-bar.

More info at H-bar's [facebook page](#). H-bar is run by IFT's Fagutvalget, and is primarily aimed at department's students – but employees are also welcome!



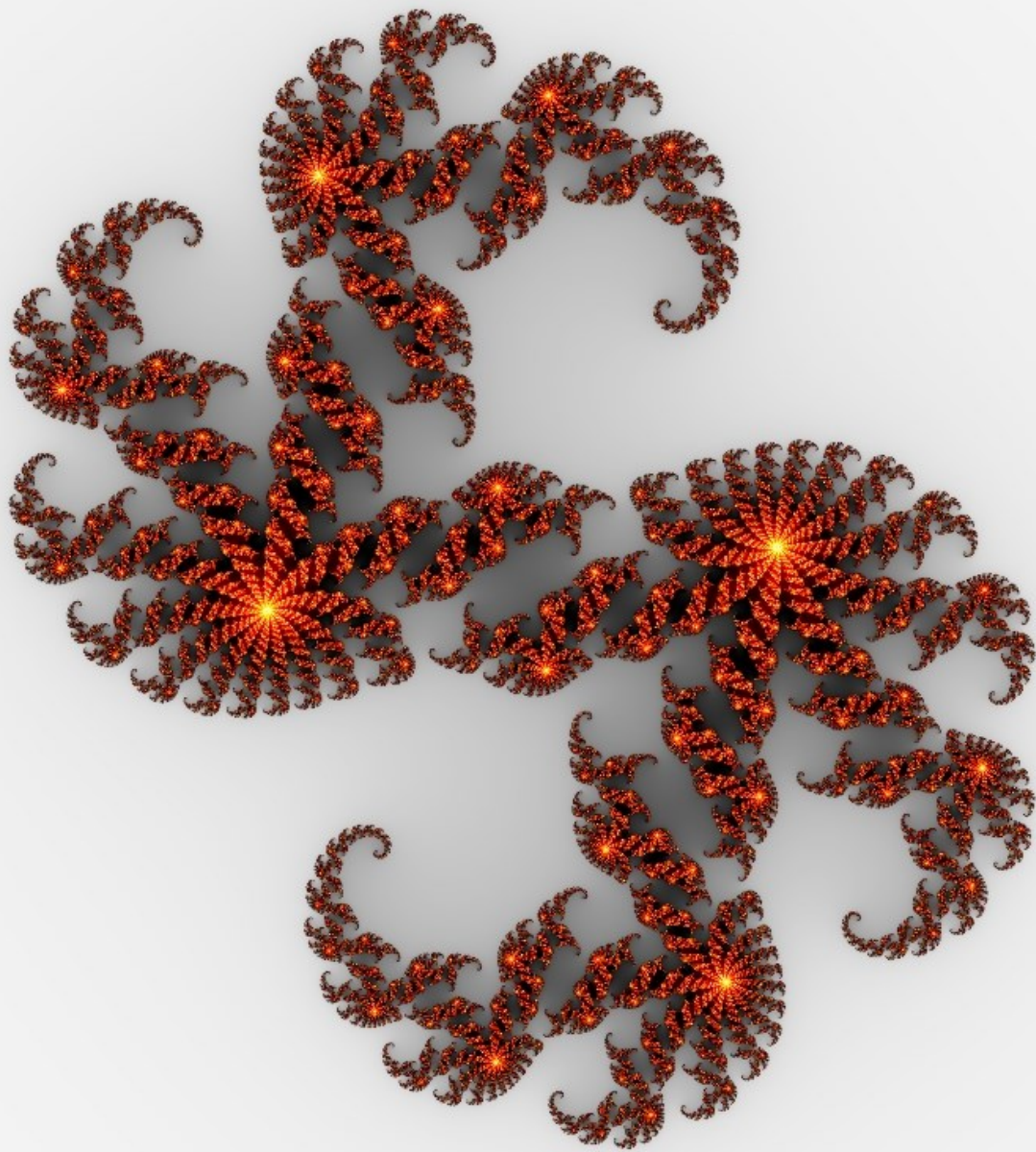


Photo of the Week

$$\underline{f(z) = z^*z + c}$$

$$z = x + i*y$$
$$c = 0.711x - 0.377i$$

By Jordan Bauman

Publications

Gauteplass, Jarand; Ferno, Martin A.; et al.: *Pore-level foam generation and flow for mobility control in fractured systems* COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 468 Pages: 184-192

Buanes, T.; Dale, O.; Eigen, G.; Kastanas, A.; Liebig, W.; Lipniacka, A.; Latour, B. Martin Dit; Rosendahl, P. L.; Sandaker, H.; Sjursten, T. B.; Smestad, L.; Stugu, B.; Ugland, M.; et al.: *Measurement of the transverse polarization of Λ and (Λ) over-bar hyperons produced in proton-proton collisions at root $s=7$ TeV using the ATLAS detector* PHYSICAL REVIEW D Volume: 91 Issue: 3

Buanes, T.; Burgess, T.; Eigen, G.; Kastanas, A.; Liebig, W.; Lipniacka, A.; Rosendahl, P. L.; Sandaker, H.; Sjursten, T. B.; Stugu, B.; Ugland, M.; et al.: *This record has been added to your Marked List. Jet energy measurement and its systematic uncertainty in proton-proton collisions at root $s=7$ TeV with the ATLAS detector* EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 1

Altinpinar, S.; Djuvsland, O.; Fehlker, D.; Haaland, O.; Huang, M.; Loenne, P. I.; Nystrand, J.; Rehman, A.; Rohrich, D.; Skjerdal, K.; Ullaland, K.; Velure, A.; Wagner, B.; Yang, S.; Zhuo, Zhou; et al.: *Production of $\Sigma(1385)(+/-)$ and $\Xi(1530)(0)$ in proton-proton collisions at root $s=7$ TeV* EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 1

Buanes, T.; Dale, O.; Eigen, G.; Kastanas, A.; Liebig, W.; Lipniacka, A.; Latour, B. Martin Dit; Rosendahl, P. L.; Sandaker, H.; Sjursten, T. B.; Smestad, L.; Stugu, B.; Ugland, M.; et al.: *Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector* PHYSICAL REVIEW D Volume: 90 Issue: 11

Buanes, T.; Dale, O.; Eigen, G.; Kastanas, A.; Liebig, W.; Lipniacka, A.; Latour, B. Martin Dit; Rosendahl, P. L.; Sandaker, H.; Sjursten, T. B.; Smestad, L.; Stugu, B.; Ugland, M.; et al.: *Measurements of spin correlation in top-antitop quark events from proton-proton collisions at root $s=7$ TeV using the ATLAS detector* PHYSICAL REVIEW D Volume: 90 Issue: 11

Eigen, G.; Stugu, B.; et al.: *Bottomonium spectroscopy and radiative transitions involving the $\chi(bJ)(1P, 2P)$ states at BABAR* PHYSICAL REVIEW D Volume: 90 Issue: 11

Reistad, J. P.; Ostgaard, N.; Laundal, K. M.; Haaland, S.; Tenfjord, P.; Snekvik, K.; Oksavik, K.; Milan, S. E.: *Intensity asymmetries in the dusk sector of the poleward auroral oval due to IMF B-x* JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS Volume: 119 Issue: 12



Useful links

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[The Board of Faculty](#)

[The Faculty- Strategy and Vision](#)

[The HSE Gateway](#)

[Archive of IFT-posten](#)

[The UiB Magazine](#)

The internet News Bulletin [På Høyden](#)

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