

IFT-POSTEN

NYTT FRA INSTITUTT FOR FYSIKK
OG TEKNOLOGI
UNIVERSITETET I BERGEN



DEPARTMENT HEAD'S INTRO

WEEK 40, 2014

This week there are several great things to report. One of them is a new grant from Bergen Research Foundation. This refers to a four year stipend with a good framework given to Kristian Ytre-Hauge. Kristian will contribute by strengthening our activities in medical physics, and more specifically he will work with proton therapy. Congratulations to Kristian and all of us at IFT on this excellent news.

Furthermore, I would like to thank all who contributed to a great party for the Bachelor students last Friday. It is nice to know that we have so many open and friendly students at our department. There were also a few participants from the employees' lines, and they were particularly well represented at the losing team during the Rebus race.

Another team which scored a bit better was the [UBILs](#) oldboys team in football. They finished the season at the amazing second place, which is the second best placement of all times for this team. Congrats to Terje and an aging football player from the department management. At the same time, we would like to congratulate the PTEK students as runners-up in the second division. The reason for letting Statoil run past them was definitely of good strategic grounds in terms of future job opportunities.

Otherwise, wishing you all a wonderful weekend,
Øyvind



PHD - TRIAL LECTURE

[MSc Øyvind Eide](#) will hold a PhD trial lecture of the following title:

Space weather effects on oil industry's operations in the Arctic

Friday, October 10th, at 13.15, room 546, IFT.

NO LONGER AT IFT? WOULD YOU LIKE TO CONTINUE RECEIVING IFT-POSTEN?

If you would like to continue receiving IFT-posten after completing your studies or work contract at IFT, or you know someone who would like to be on our mailing list, feel free to send an e-mail to ift-posten@ift.uib.no.



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Facebook

WRITING COURSE HORIZON 2020

On Wednesday, November 5, Dr. Sean McCarthy will hold a course entitled "How to write a competitive proposal for Horizon 2020" over half a day, and is aimed only at the registered participants. Registration starts on October 8. The aim of this course is to help researchers, research group leaders and those employed in research-administrative support services to draft written, professional and competition-worthy applications to Horizon 2020.

For more information, check out [this link](#) at the University's H2020 webpages.



MASTER THESIS PRESENTATION

Pengfei Han will hold a Master thesis presentation in physics, field of measurement science and instrumentation, by the following title:

Wettability of ZnO Nanostructure Fabricated Using Electron Beam Lithography and Hydrothermal Growth

Friday, October 10th, at 11.30 at room 292, IFT.

Supervisors: Professor Bodil Holst and PostDoc Xiaodong Guo, IFT.



WRITING COURSE FOR RESEARCHERS

Write so others can understand you!

In this writing course, you will learn how to participate in the open debate with knowledge, facts and well-documented viewpoints.

We would like to invite you to a writing course that takes place on November 4th, designed for researchers **who wish to reach out with their findings to the world outside the academia**. The course is meant for you who would like to write popular articles, blogs, chronicles and other texts for wider audiences. The Course leader is Margrethe Geelmuyden, senior advisor at Geelmuyden.Kiese.

Time and place: Tuesday, November 4th, from 09.00 - 15.30. Basement floor at Muséplassen 1 (entrance from Professor Keyzers gate).

The course is free of charge for all participants, but there is a limited number of possible participants. **Registration latest by Friday, October 10th.**

More Information on the course and the registration form are available from this link at the employee pages:

<http://www.uib.no/foransatte/81322/skriv-s%C3%A5-folk-forst%C3%A5r-deg>

This course is a collaboration between the Department of Communications and Language Services of the Staff and Organization Department.

Best regards

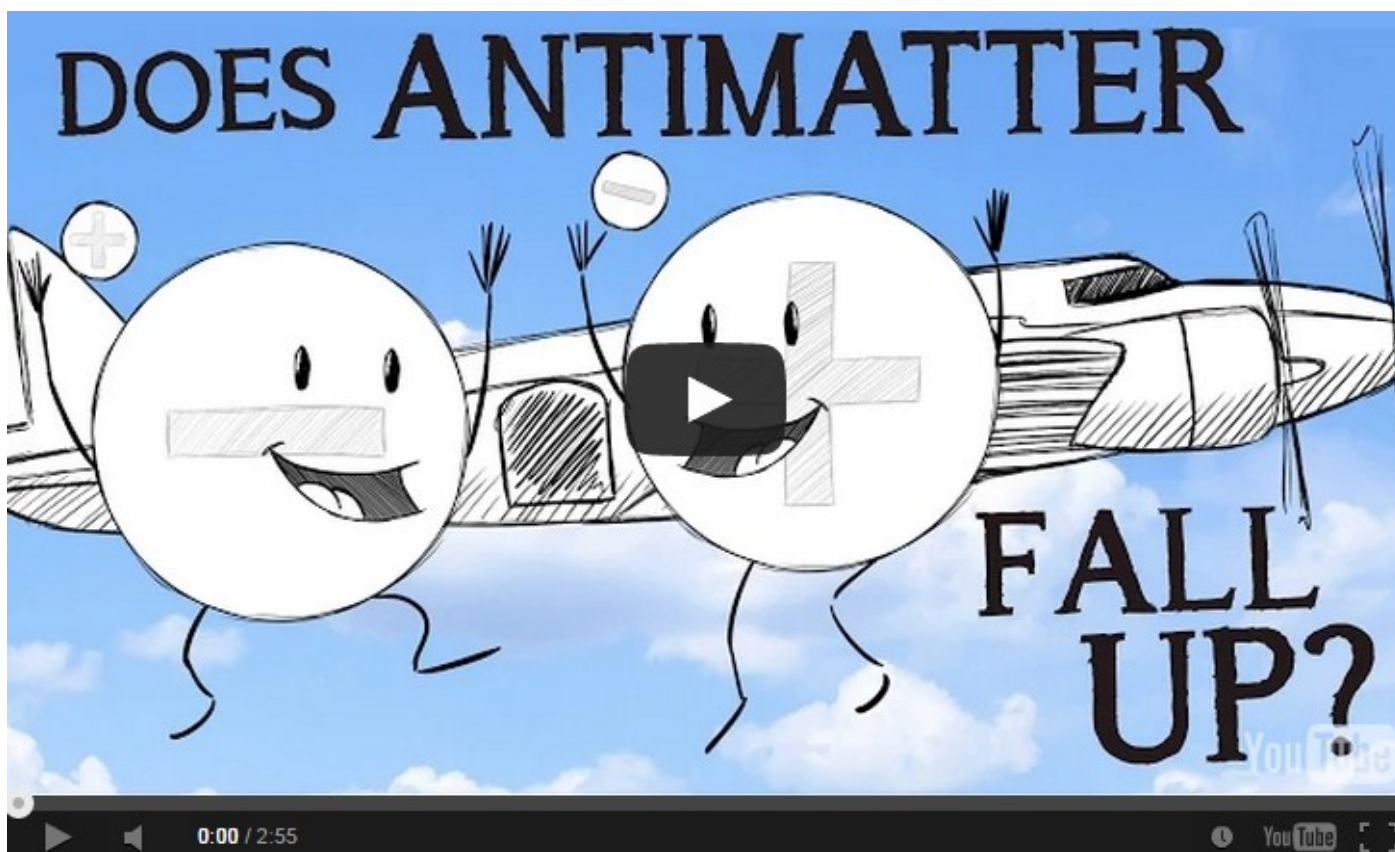
Gro Malnes Øvrebo, Department of Communications.

Phone. 55583813, e-mail: gro.ovrebo@adm.uib.no

<http://www.uib.no/personer/Gro.Ovrebo>

IF MATTER FALLS DOWN, DOES ANTIMATTER FALL UP?

Nicola Pacifico, Angela Gligorova, and Heidi Sandaker work together with Jan Petter Hansen and his group studying anti-matter at the AEGIS-experiment at CERN. The AEGIS-experiment is about to expand and will first be used to measure the gravitational constant of the anti-Hydrogen in the Earth's gravitation field. This is done by observing the deviation from the path of the anti-Hydrogen when it moves a stretch of approximately one meter just by the influence of the gravitation field. Here in Bergen, together with UoO, Sintef and IDEAS, they are trying to build a silicone detector which would measure the position of the anti-Hydrogen and thus find out whether gravitation effects the anti-matter and matter. Related to their visit to CERN, they made a short film about this:



Q: How many theoretical physicists specializing in general relativity does it take to change a light bulb?

A: Two. One to hold the bulb and one to rotate the universe.



PHOTOS OF THE WEEK

"Notes from the University of Oxford, England"

~ Anna Lipniacka

Last week I visited Oxford for a couple of days. Since that was my first visit to the University of Oxford, I was inspired to take a few photos and notes.

Oxford is one of the best European universities on all known lists. It is rather clear that they prefer quality over quantity when it comes to their lectures. In terms of research, they aim both toward the top and into the depth of the matter. Oxford does not just integrate itself within the existing business life, but instead it also starts new trends and disciplines. Their equivalent of the Faculty of Mathematics and Natural Sciences is the "Oxford Science Area" comprising of thirteen departments, which are mostly located in their own individual buildings. Department of Physics is divided into five "departments": astrophysics, Atmospheric, Oceanic and Planetary Physics, Clarendon Laboratory (Atomic and Laser Physics, Condensed Matter Physics), Particle Physics and Theoretical Physics.

The academic year consists of three trimesters, and each trimester lasts only 8 weeks. What is the reason for that? "Fellows" cannot lecture the entire time, they also need time for research. Each subject is taught for 3-4 hours per week. In addition, there are organized study groups which are in addition individualized. Each "tutor" has one or two students and is responsible for the study group six to seven hours a week. Students usually have five to six exams per year.

Oxford students usually live in the campus near their respective "college" where they also get breakfast, lunch and dinner in a common eating area. On one of the photos below, you can see the eating area of the St Catherine's College where students and "fellows" eat together. Both after lunch and dinner they are served dessert and cheese.



CURRENT WELFARE OFFERS FROM UOB

New application period for the cabins at Ustaoset - Winter 2015

It is now possible to electronically apply for U-heimen, Ottesheimen and Butten at Ustaoset for the period of January 4th - March 29th, 2015.

The schools' winter-break is included in this period. You will not be able to apply for the cabins in case you have had any one of the cabins during the winter-break in the last three years.

You have to use [UoB's electronic cabin system](#) by logging into the system using the UoB username and password. When applying for the first time, you have to enter a little extra information such as the billing address.

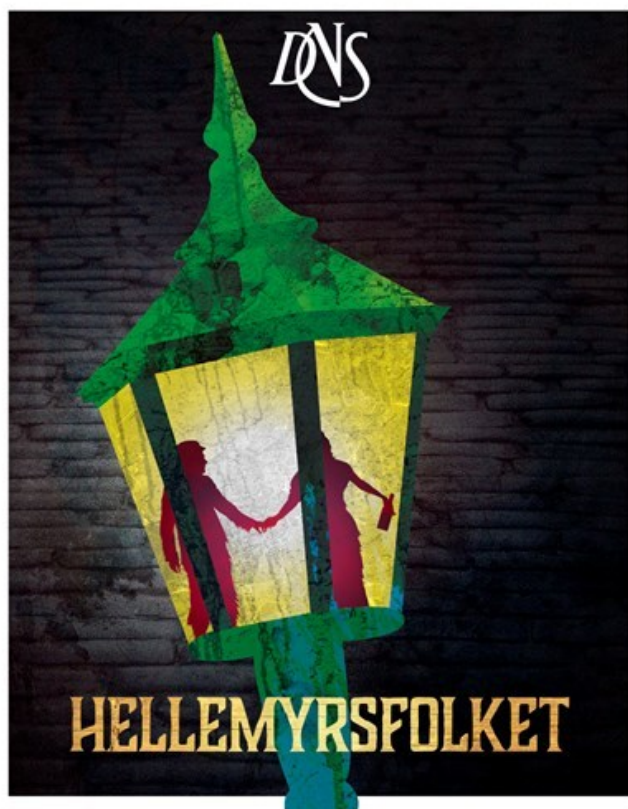
All applications must be registered in the electronic cabin system in order to be able to join the lottery

Application form and information about the cabins can be found on the employee pages under «My employment status» -«Welfare»- «Welfare cabins for rent». Log in using your UoB username and password.

Application deadline is on November 3rd, whilst the lottery will take place on November 4th 2014.

Regards,

The Property Department



HELLEMYRSFOLKET

Dates:

Thursday, November 27th at 19:30

Friday, November 28th at 19:30

Place: DNS

UoB price: NOK 300,- (max. 2 tickets)

You can order tickets via DNS ticket office or by calling 55 60 70 80

You have to collect your tickets from the DNS ticket office latest within one week after placing your order.

For more information: <http://www.dns.no/program/2014/hellemyrsfolket/>

STUDENT REPRESENTATIVES AT THE DEPARTMENT COUNCIL AND THE STUDY PROGRAMME BOARDS

The following students have been elected as student representatives at [the Department Council](#) and the [Board](#) of programme for study programmes in physics, process and petroleum technology at IFT for the academic year 2014/15:

Department Council:

Ellen Birgitte Folgerø (Bachelor's programme in physics)

Lars Petter Grønvig (Bachelor's programme in physics)

Andreas Hagen (Bachelor's programme in physics)

Department Council:

Truls Andersen (Master's programme in physics)

Frederic Bratlie (Bachelor's programme in physics)

Programme board for physics

Hanne Starfish Breivik (Bachelor's programme in physics)

Jørgen Johansen Rørstad (Master's programme in physics)

Programme board for process technology

Kari Halland (Master's programme in process technology)

Ann Elin Berg (Master's programme in process technology)

Programme board for petroleum technology

Anna Nikoline Særvold Bang (Bachelor's programme in petroleum and process technology)

Mari Telnes (Bachelor's programme in petroleum and process technology)



CHRISTMAS PARTY 2014

This year's Christmas Party at IFT will take place on Friday, November 21st. Book this day already today! Registration details will be provided later.



H-BAR

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



On Tuesdays, every even-numbered week, there are organized pub-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!

PUBLICATIONS:

- Postema, Michiel; et al.: *Periodic shock-emission from acoustically driven cavitation clouds: A source of the subharmonic signal* ULTRASONICS Volume: 54 Issue: 8 Pages: 2151-2158
- Buanes, T.; Dale, O.; Eigen, G.; Kastanas, A.; Liebig, W.; Lipniacka, A.; Rosendahl, P. L.; Sandaker, H.; Sjurset, T. B.; Stugu, B.; Ugland, M.; et al.: *Measurement of event-plane correlations in root $s(NN)=2.76$ TeV lead-lead collisions with the ATLAS detector* PHYSICAL REVIEW C Volume: 90 Issue: 2





USEFUL LINKS

[The IFT Webpages](#)

[Employees at the administration](#)

[Webpages of the Faculty](#)

[Employee Pages at the UoB](#)

[The Board of Faculty](#)

[The Faculty- Strategy and Vision](#)

[Pubmed](#)

The internet News Bulletin [På Høyden](#)
(internalnews for UoB)

[Archive of IFT-posten](#)

[PagaWeb](#) (Your current job)

[BRITA](#) (IT-support)

[LYDIA](#) (transport)

[SEBRA](#) (user account)

[Recent PhDs at the UoB](#)

(only in Norwegian)

[The HSE Gateway](#)

[My Space](#)

The Student Council at IFT:

<http://fft.uib.no/>

[Facebook](#)

[The Campus Bus](#)

[Cristin](#)

[UoB internal phonebook](#)

[Employee pages FAQ A - W](#)

[Vacant positions at UoB](#)

[The UiB Magazine](#)

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