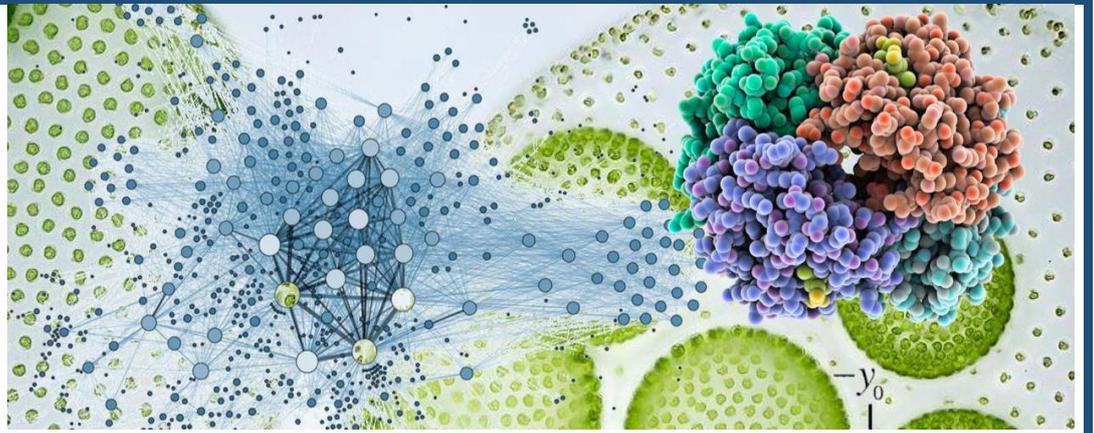


NEWSLETTER

Department of
Informatics



No. 01/2019
11th January 2019



Editor-in-chief: Pinar Heggernes. Editor: Linda Vagtskjold. Contributions or comments to the newsletter are very welcome.

Dear colleagues,

Happy new year!

2019 started in the sign of collaboration. During the few working days of the year so far, we already visited Equinor to see and learn about their digital operation centers and Bergen Forskningsstiftelse to tell them about our research focus plans ahead, and we received a visit from the mathematical and natural science departments of the University of Stavanger to exchange information and experiences in education and research. 2019 will definitely be a year where we keep closely in touch with our collaborators and fund raisers in Bergen and Norway. For scientific collaboration to be fruitful it is of utmost importance that it is initiated and driven by the scientists themselves. Initial meetings where we get to see and talk to each other for the first time are very useful in the sense that we see what opportunities exist in our respective fields and who else in Norway is doing the kind of research we are interested in. Our department is extremely well connected internationally, and that is always our highest priority, as our ambition is to be internationally leading in the research directions that we have committed to. National collaboration between strong research groups in Norway has the potential to make Norwegian research groups stronger, more diverse and inter-disciplinary, and thus even more visible internationally.



An aspect of interaction with our peers in Norway that I always find very interesting is the fact that we all have very similar concerns and worries. It is very useful to learn from each other's experience in how to cope with various regulations and suggestions that govern our scientific and educational efforts. These days one of the things that worry scientists in Norway the most is the so called "[Plan S](#)" for full open access publishing. EU requires that open access publishing should be the standard already in less than a year, from January 1, 2020! The Research Council of Norway (RCN) [has fully committed to this plan](#), and together with the ministry of research and higher education, they are determined to make it happen within the deadline. This means in particular that all publications resulting from projects supported by RCN, ERC or EU must be open access. They have opened for input from the scientists themselves ([you can still give your feedback by February 1!](#)) and they visited most universities to talk to the scientists face to face. Still the message from the scientists that this needs to be implemented over a longer time period does not seem to get through. In our field, for example, there are no open access journals at level 2 in the [national database of scientific publication](#), and extremely few at level 1. On the other hand, we have always published according to the so called "green open access" scheme, where we publish in traditional journals and at the same time make publicly available a copy at scientific repositories, like [arXiv.org](#). This might still be accepted for a while, however the goal is so called "golden open access" for all publications, meaning that the publication itself must happen in a fully open access journal.

I think one of the most prominent worries of a scientist is that the premises to conduct science will be decided mainly by people who do not themselves have a background as researchers. In this respect, I hope that I will be able to play an important role in the board of the Research Council of Norway. When it comes to our own university, I would like to repeat what I mentioned in the [last newsletter of 2018](#); I am increasingly impressed by the level of competence and help offered at various administrative levels of our university and faculty. Our needs are heard and attended to immediately, and there is never a questioning of our priorities. One of the excellent news of the new year is that the network connection of our building will be upgraded this year, and the entrance to the building will be refurbished. New study areas are planned, too, and we are also getting help to look into more office space.

2018 ended in a spectacular way; I am sure that 2019 will be even more spectacular! I wish you all a very prosperous and successful 2019, in which I hope your goals will be achieved and your dreams come true.

-Pinar

The Dean's Blog – Helge K. Dahle

[The Dean's blog](#) aims to inform us of ongoing work and processes at the Faculty of Mathematics and Natural Sciences.

His latest postings: [Dette legger premissene for framtida](#) – [Finnes det vitenskapelige bevis for at nissen finnes?](#) – [Førjulstida er magisk på så mange vis](#)



Actualities [På Høyden](#) - [Krono](#) – [News from NFR](#) – [News from UiB](#) – [Informatics on Facebook](#)

Congratulations Mateus de Oliveira Oliveira!



Mateus' project "Automated Theorem Proving from the Mindset of Parameterized Complexity Theory" has been granted by IKTPLUSS, young research talents.

Congratulations!

"Allmøte" – Informatics strategy planning on 17th January

The Strategy planning group of our department would like to invite you all to a meeting "Allmøte" on Thursday 17th January at 14.15, large auditorium.

The strategy planning group consists of Helwig Hauser (chair), Inge Jonassen, Fedor Fomin, Dag Haugland, Liliya Budaghyan, Michal Walicki, and Pekka Parviainen, with Linda Vagtskjold providing secretarial and administrative assistance. The conclusions and recommendations of the strategy planning group are to be presented and discussed at the department gathering in Solstrand April 29-30, 2019.

The idea about the "allmøte" is mostly to hear what "everyone" thinks about possibly important points regarding our mid-term future strategy in research and teaching. We encourage you to contribute with constructive comments and fruitful discussions - in particular regarding possible new ideas that so far are beyond existing activities at our Department.

Among questions that will be raised and discussed during the meeting are:

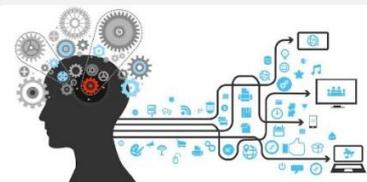
- When thinking about modern computer science in general (internationally), which new trends should be picked up by us and considered important wrt. our future teaching and/or research?
- Any good examples (of a successful modernization of another CS Departments research and/or teaching program) that we may look at?
- Are there particular (future) needs wrt. CS competences/skills that we should teach (research)?
- The Department is building a Center for Data Science - any particular topics within Data Science that should be considered in particular?

We hope to see you all in the "Allmøte" on Thursday 17th January!

Mailing list in Artificial Intelligence

Please remember the UiB-wide mailing list about talks, seminars, events and research on AI at UiB and in Bergen. A lot of interesting seminars and talks are advertised here in themes related to machine learning and data science.

You can subscribe the list at <https://mailman.uib.no/listinfo/uib-ai>.



Department of Informatics

(in cooperation with the Mohn Medical Imaging and Visualization Center)



Visual Analytics of Cohort Study Data



Speaker:

PD Dr.-Ing. habil. **Steffen Oeltze-Jafra** (né Oeltze) leads the research group Medicine and Digitalization (MedDigit) at the University Clinic of Neurology, Otto von Guericke University, Magdeburg, Germany.



Abstract:

Traditionally, a lot of medical visualization research has been focused on the visualization of data obtained from a single individual, i.e. a single, uni-modal patient dataset, being usually defined on a regular grid in 3D and capturing a selected part of the human anatomy. In recent years, however, the most pressing challenges in medical visualization have broadened including the investigation of data obtained from populations. Large pools of image and non-image data are acquired for hundreds to thousands of individuals and their analysis poses tremendous new challenges. Data Science methods show a high potential in tackling these challenges. They address the blending of analysis and visualization techniques to make sense out of this big data, the integrated analysis of image and non-image data, the integrated visualization of very heterogeneous data and the effective and efficient interactive exploration of the data. Exemplary fields that acquire such data pools are epidemiology, where longitudinal studies of defined populations (cohorts) are conducted, and healthcare, where large patient databases are compiled from Electronic Health Records (EHR) of hospitals. In this talk, I will present results of collaborations with (1) epidemiologists from the University of Greifswald, Germany running the population Study of Health in Pomerania (SHiP) and (2) neuroscientists as well as computer scientists from the University of Bergen, jointly analyzing data from a cognitive aging study. Moreover, I will outline (3) an ongoing effort of the German federal state of Saxony-Anhalt aiming at a continuous registration and quantitative analysis of brain structure and function of all patients with neurological and neuropsychiatric disorders.

Thursday, January 24th, 2019,
from 14:15

Big Auditorium, 2nd Floor, Datablokken, Høyteknologisenteret
Refreshments will be served from 14:00

Research, Science, and Seminars

NTVA-seminar 29th January:
«Maskinsyn: et algoritmisk blikk på verden?»

Department of Informatics



NTVA

Norges Tekniske Vitenskapsakademi
www.ntva.no

Norges Tekniske Vitenskapsakademi,
NTVA, og Tekna inviterer til møte i Bergen.

Tirsdag 29. januar 2019 kl. 1900

Nansensenteret på Marineholmen, Thormøhlens gate 47

Maskinsyn: et algoritmisk blikk på verden?

Foredrag av:

*Jill Walker Rettberg, professor, Institutt for lingvistiske,
litterære og estetiske studier, Universitetet i Bergen*

Nærmere informasjon om foredraget på vår hjemmeside.

Møtet er åpent for alle interesserte.

De som vil delta på et enkelt måltid etter foredraget må
melde seg på til post@ntva.no innen **torsdag 24. januar**.

Måltidet er gratis.

IP Seminar - Patenting and Publishing, 28th January 2019

The University of Bergen, Haukeland University Hospital, BTO and Digital Life Norway arrange IP Seminar: PATENTING and PUBLISHING - The Why's and How's on Monday, 28th January 2019 12:30 – 18:00, HUS, Bikuben Refreshments and food will be served before and during the seminar. Participation is free of charge.

This seminar will give you several reasons to engage in a patent process and demonstrate how patenting and publishing can be coordinated and both successfully achieved. We will demonstrate a number of Norwegian and international examples of academic patenting, and discuss practical issues related to these specific cases.

To enable the best possible and “to the point” seminar, you are invited to submit any relevant questions, matters or issues you may have for this subject, upon registration. As far as time allows us, all such received questions will be addressed during the seminar. Invitations will be submitted by mid January, including the entire program and all speakers. However, registration is already open – so please feel free to [register by following this link](#);

NORBIS workshop in Collaborative scientific software development

NORBIS and DigitalLife is arranging a workshop in Collaborative scientific software development. The aim of this workshop is to give an introduction to topics that go beyond the initial knowledge of reading and writing code. How do you design programs that are modular and reusable by others? How can libraries in different languages be used together? What are tools that can help in documenting and testing code? How can development and releases be managed in group projects with multiple authors and multiple users?

In a mixture of talks and many hands-on sessions we'll try to address this next step. In the second half of the workshop, you will work in small groups on designing and writing a new project from scratch, giving you direct experience of having to rely on other people's code.

Dates: 5 – 14 March 2019
Location: University of Bergen
Organizers: David Grellscheid
Register by: 3 February 2019
Credits: 3 ECTS
[Information and registration](#)



MNT-conference 2019: 28-29 March in Tromsø



Neste MNT-konferanse arrangeres 28.-29.mars, 2019 i Tromsø. Å jobbe med utdanningsutvikling innebærer å formulere klare mål som beskriver hva studentene skal lære, og utvikle vurderingsformer som gjenspeiler læringsmålene. Videre må man planlegge og utvikle undervisnings- og læringsaktiviteter som støtter studentene i deres arbeid. Dette gjelder på alle nivåer i utdanningsløpet, fra hele studieprogrammer til emner eller mindre moduler.

Det internasjonalt etablerte begrepet «Constructive Alignment» beskriver en modell for at læringsmål, undervisnings- og læringsaktiviteter og vurdering, skal virke i samsvar.

[Påmelding her](#). Påmeldingsfristen er utvidet til 25.januar, men for å være sikker på å få rom på konferansehotellet, anbefaler vi alle å melde seg på så fort som mulig.

Konferansen retter seg mot undervisere i MNT-fag på høyskole eller universitet som er tett på studentene, vet hva som er vanskelig innenfor disse fagene, har erfaring med ulike undervisningsformer og vet hva studentene sliter med å mestre. Konferansen er en møteplass der undervisere i MNT-fag kan dele erfaringer med hverandre og andre personer som er aktive innenfor MNT-utdanning.

Welcome to debate on 6th February: Does climate mitigation trump other concerns?

Balancing mitigation actions and their impacts. Dilemmas in implementing rapid transformation of the energy system to reach the Paris targets are many. Our expert panel will present and discuss major challenges and possible conflicts between the SDG goals.

06.02.2019 at 12.15–17.00
University Aula, Bergen

[Registration.](#)

[Learn more.](#)



Photo: Alex Cross, Unsplash

Register your publications in the Cristin database by 31st January!

The budget of our department is partly dependent on the publications that our scientific staff are authors and coauthors of. We therefore ask everybody to kindly register all their publications that have appeared in 2018 in the [Cristin Database](#): after logging in, please choose “Research results” and then “Register result”. Some publications are automatically gathered from various journals, so please search for your publications via “Search in results” and register only the missing ones. Also, you need only to register the publications on which your affiliation is University of Bergen.

Please try to complete this by **January 31st at the latest**. This is very important, not only for the budget, but also for the visibility of our research production, as more and more official information is from now on based on what is registered in the national Cristin Database. The research groups will be rewarded according to their registered publication points.

Academic affairs and PhD Updates [bioCEED news](#)

Opening of new refurbished study room on 15 January



On Tuesday 15th January at 14.30, the newly refurbished study room for II and BIO students in the 1st floor, south end, will be opened.

Some small refreshments will be served.

All are welcome!

Invitation to the University's ceremony for the presentation of doctoral degrees



Bilde fra Doktorpromosjonen i Universitetsaulaen i Bergen
31.08.2018 Foto: Thor Brødreskift Opphavsrett: UiB

Welcome to the University's Ceremony for the Presentation of Doctoral Degrees Friday 25 January at 1300 in the University Aula in Bergen. (You have to find your seat at 1245)

[Registration](#) Please answer before 21.01. Limited number of seats.

Deadlines for PhD submission and defense, spring semester 2019

The last possible day of defense in the spring semester 2019 will be 28th June. The deadline for submission of thesis and proposal for composition of committee members is 8 weeks ahead of the defense date.

Online course for PhD supervisors

The course includes rules, regulations and procedures for the PhD program. Everyone appointed as main supervisor or co-supervisor for PhD candidates at the Faculty of Mathematics and Natural Sciences from 1 December 2018 must complete the online course. You can take the course in [Norwegian](#) or in [English](#). Please make sure you verify the completion of the course when it is completed.

Funding opportunities

Call for SPIRE funding 2019

UiB are announcing funds in its strategic program for international research collaboration (SPIRE). The program aims to support UiB's strategy and action plan for internationalization 2016-2022.

You can apply for SPIRE funds in two categories:

- (1) SPIRE funds for international research collaboration
- (2) SPIRE guest research funds

Applicants are requested to read the [Guidelines for applicants](#), and the [SPIRE application form](#) must be used. Scientific staff in first positions and postdoctoral fellows at UiB can apply for SPIRE funds (see the guidelines for details) and learn more on the [FA's SPIRE website](#).

The departments are asked to rank the applications for each of the categories before sending them to the faculty by 13 February 2019. We therefore request that any applications be sent to the institute by email to Linda by **11 February 2019**.

BFS call for starting grants

The call for BFS starting grants is now open. Application deadline is March 15th. [Please find detailed information about the call here](#)

A BFS starting grant is a great way to get a flying start for an academic career. The competition is tough, and applications must be supported by the department to be considered. If you have ambitions of applying, or you know of excellent candidates who might be interested in applying, please first discuss with your group and then approach Pinar.



Call for applications to the Centre for Advanced Study (CAS)

Centre for Advanced Study
at the Norwegian Academy of Science and Letters

Contact Login

About CAS Research News Events Practical Information Apply

Register CAS project application

The Centre for Advanced Study (CAS) invites researchers to pursue excellent, fundamental, curiosity-driven research for a year in Oslo. [CAS is accepting applications for the 2021/22 academic year. Click here to register and apply.](#)

Deadline: 14 January 2019. [Learn more.](#)

Young CAS Fellow 2019-2020

The Centre for Advanced Study (CAS) is excited to announce the Young CAS Fellow program, a new research funding opportunity for postdoctoral students, junior academics, and other talented young researchers. CAS is accepting applications for the 2019/20 academic year. **Deadline: 14 January 2019.** [Learn more.](#)

Visit by the Research Council of Norway on March 7 about the IKTPLUS program

The Research Council of Norway (RCN) is coming to our department on March 7 to explain to us the details on the new application procedures and proposal guidelines in the IKTPLUS research funding program. We allocated the Thursday seminar time slot for this meeting, so that all our employees can participate. Please reserve the date and time in your calendars. [Full details can be found here.](#)

Horizon 2020 proposal writing courses at UiB in collaboration with RCN

Our university is giving a series of courses in collaboration with RCN to help researchers and research coordinators in the proposal writing procedures for the EU Horizon 2020 programs. These courses can be very useful also if you are planning to apply funding from RCN. We have received information only in Norwegian for the time being. Please take note of the dates if this is interesting for you:

Pr i dag har vi fått følgende datoer fra NFR, og venter på at de legger ut arrangementsoversikten. Siden NFR har beveget seg mot H2020 evalueringskriteriene vil nok mange av H2020 kursene også være interessante for forskere som vil lære mer om dette inn mot NFR fristen.

- For vitenskapelige og administrativt ansatte:
 - 22-23 januar Horizon 2020 Proposal Writing workshop – Thematic focus,
 - Dette er et nytt tilbud fra NFR, og er mer en workshop enn et kurs, hvor deltakerne (med prosjektideer innenfor ett og samme tematiske område) jobber med egen søknad under veiledning. Dette må vi komme litt tilbake til etter at vi har fått vite mer fra NFR.
 - 12-13. februar: 2-day/Level 2 Horizon 2020 Proposal Writing – Focus Impact
 - 4. juni Prosjektutvikling 1
 - 12-13 november: Horizon 2020 Proposal Writing workshop – Thematic focus (tilsvarende som for 22-23 januar)
- For administrativt ansatte:
 - 5. juni Søknadsstøtte1

Om dette er aktuelt for dere, sett av datoen i kalenderen, og viderefordre info til aktuelle forskere slik at vi er raskt ute til å melde på. Denne gang vil info og påmelding gå gjennom NFR, ikke via FA.

Vacant positions

Researcher in Algorithms

Closing date: 15.01.2019. Please find [the announcement here](#)

Førsteamanuensis i informatikk fagformidling og utdanning (IKT-fagdidaktikk)

Closing date: 20.01.2019. Please find [the announcement text here.](#)

Postdoctoral Fellow position in algorithms: parameterized complexity for practical optimization

Closing date: 20.01.2019. Please find [the announcement text here.](#)

Postdoctoral positions (2) in Computer Science

Closing date: 05.02.2019. Please find [the announcement here.](#)

HR, Operations, Health, Safety and Welfare sikresiden.no – [UiB welfare offers](#)

The Yoga semester starts on Wednesday 16th January

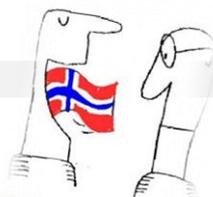
Yoga is a great way to reduce stress and tensions from work.

Yoga classes are held on Wednesdays at 2:30 p.m. to 3:30 pm at the Meeting room in 5th floor.

Our professional yoga instructor, Kjersti Næss, is teaching in English. No signing up, and no participatory fee will be charged. Please bring your own yoga mat. We also have some mats for loan.



Reminder: Kakeklubben on Mondays



Kakeklubben aims to help our international colleagues to practice Norwegian while spending nice time together with people across group borders. Club meetings are normally held on Mondays at 12 o'clock in the lunchroom, 4th floor. While the lunch room is under reconstruction, we gather in the small meeting room at the end of the same corridor as the lunch room is. You bring your own lunch, and we share a cake. We hope for volunteers among the club members to bring cakes, and we plan to make a department cake recipe book after some time. All are welcome!

We hope to see you there, both internationals and Norwegians!

Welfare offer: Dark side of the wall in Grieghallen 2 February

Dark side of the wall i Grieghallen 2. februar.

Konserten kl 18.30 er i ferd med å bli utsolgt. Det er derfor lagt ut ekstrakonsert kl. 21.15.

Billettprisen er ordinært kr 560.- inkl. avgift **Rabatterte billettpris til UiB-ansatte er 430.- inkl. avgift.**

Billettprisen gjelder kun for ekstrakonserten kl 21.15 og må [kjøpes her](#).

Dark Side of the Wall er Pink Floyd-showet som fikk selveste Roger Waters til å uttale "F**cking brilliant" da han overvar en av DSOTW's konserter under Bergenfest for noen år siden.



Welfare offers from the UiB

Benytt deg av velferdstilbudet til UiB og få rabatterte priser og de beste plassene. Ta med deg venner, kollegaer eller familie på teateret.



Våre barn

Drama: Noen skal leve etter oss. Hva er vi villige å ofre for neste generasjon?

Torsdag 17. januar kl. 19.00. Lille Scene.
UiB pris kun 185,-

Bestill [her](#) eller ring 55 60 70 80 innen 11. januar!
[Mer informasjon.](#)



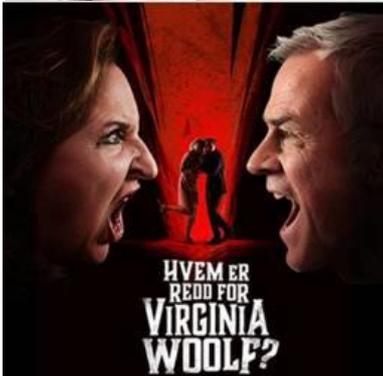
Hedda Gabler

Drama: Ibsens gåtefulle og ikoniske kvinneportrett. Hedda Gabler har fascinert verden i over hundre år. Vi gripes stadig av hennes indre drama og farlige spill.

Lørdag 2. februar kl. 18.00. Store Scene. **UiB pris kun 290,-**

Bestill [her](#) eller ring 55 60 70 80 innen 25.januar!

[Mer informasjon.](#)



Hvem er redd for Virginia Woolf?

Drama: Bli med på verdens mest berømte nachspiel! Moderne og underholdende klassiker om hvordan en fuktig fest eskaleres og ekteskapets baksider avsløres.

Torsdag 21. februar kl 19.30. Teaterkjelleren. **UiB pris kun 240,-**

Bestill [her](#) eller ring 55 60 70 80 innen 8. februar!

[Mer informasjon.](#)



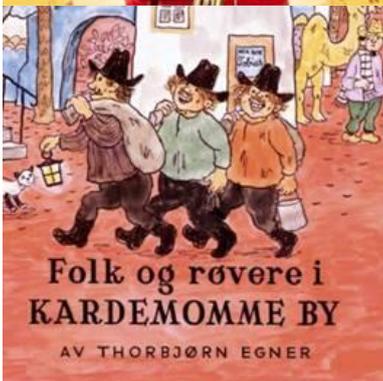
KORPS

Familieforestilling av Knut Nærum: Humoristisk kjærlighetserklæring til korpslivet. En skikkelig sjambombe som treffer uavhengig av alder og korps-erfaring!

Lørdag 9. mars kl 18.00 - PREMIEREBILLETTER på Store Scene. **UiB pris kun 290,-**

Bestill [her](#) eller ring 55 60 70 80 innen 22. februar!

[Mer informasjon.](#)



Folk og røvere i Kardemomme by

Festen fortsetter i Kardemomme by frem til påske!

Ta med små og store barn på denne varme og fine versjonen av Folk og røvere i Kardemomme by!

Lørdag 6. april kl. 16.30 på Store Scene. **UiB pris kun 100,-**

Bestill [her](#) eller ring 55 60 70 80 innen 22.mars!

[Mer informasjon.](#)