



# CBH News

Nr 9, May 2019

2019-05-13

Last week, Treearch gathered all cooperation partners at Vildmarkshotellet in Kolmården for a two-day conference.

There were universities, companies, public financiers and it all began with the Minister for Business, Industry and Innovation Ibrahim Baylan speaking about the importance of transforming our society into a bio-economy.

Sweden's dramatic wealth creation has occurred at the same time as we are e.g. using more renewable energy than ever and our dependence on fossil fuels is decreasing. The conference showed a lot of research and education that occurs in cooperation and it now feels as if Treearch is firmly established and a big thank you to all members of Treearch's management for a very well organized event.

Next week, we will carry out School Dialogue 1 with the President. We will present our economic situation, based on the whole year result 2018 and address major challenges for 2019 and in the future, also on division level.

Furthermore, we will follow up the operational plan, VP, 2019 regarding:

- Faculty (especially equality and mobility)
- Education
- Research (especially strategic efforts 2019)
- Collaboration

Strategic issues that will be addressed are:

- Competence maintenance and faculty development



- Efforts with agency's capital
- School specific and KTH-overall infrastructure (existing and upcoming investment needs from both an education and a research perspective)
- Possible other questions from the schools

The materials submitted by our school to the Quality Dialogue are also being used as a basis for the President's School Dialogue.

Mikael Lindström  
Head of School



Do you have news tips?

Send it to CBH News!

All news tips for CBH News should be sent to

[cbh-nytt@cbh.kth.se](mailto:cbh-nytt@cbh.kth.se)

All contributions must be in by 12.00 on Monday the same week as CBH News is published in order to be admitted. See the current deadline at the last page.

## Camilla Johansson new acting HR Manager

**Since May 1 2019, Camilla Johansson is new acting HR Manager for the CBH School.**

**Marja Mutikainen chose to leave her position as HR Manager in the beginning of May.**

Camilla Johansson's visiting address is Teknikringen 30, floor 7.



## Time to plan your vacation

**It's time to start planning for holidays, especially during summer time. Requests to save holidays must be submitted by 15 May via the self-reporting system.**

Depending on what holiday method you have, different rules apply. You can see how many days you have earned this year and what method you have in your employment contract in the self-reporting system under "My pages" – "My vacation".

[Read more](#)

## Information on reporting incidents, risks and occupational injuries

**The manager is responsible for serious occupational injuries/incidents being reported without delay to the KTH emergency number and to the Work Environment Authority.**

What are incidents, risks and occupational injuries?

### **Occupational injuries - ouch!**

An occupational injury means all injuries and illnesses that occur as a result of both physical and psychosocial working conditions. This includes accidents whilst working, accidents to and from work (travel accidents) or occupational disease due to work. Any violence or abuse because of employment can also be classified as an occupational injury.

Injuries that occur when working at a place other than the workplace, i.e. on business trips or teleworking, also classify as occupational injuries. Overtime is included, but not if you've stayed at work after hours for personal reasons. Please note that any occupational injury or illness caused by the psychosocial conditions at work may be considered and assessed as an occupational injury.

### **Incidents - oh!**

An incident is a situation in which no one has been harmed, but which could have resulted in ill health or accident. Some examples are: an explosion in premises where no one happened to be present, work with carcinogenic substances without adequate ventilation, chemical/gas emissions, a threatening situation, bullying, a degrading treatment, a conflict in the workplace, etc.

### **Risks**

A risk refers to a situation in which neither an incident nor an occupational injury has occurred, but where there is a risk that it could happen. An example of a risk is discovering that an emergency exit has been blocked or that a tile is loose.

[Read more on KTH's intranet](#)

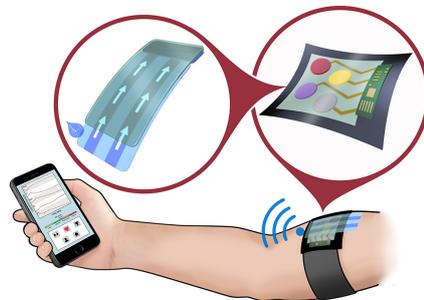
## Blood and sweat take training app to the next level

Were you one of the 20,000 entrants who ran the Stockholm Marathon in 2018? If so, you will remember what a warm day it was, and how many of you were forced to quit due to the hot weather.

KTH researcher Gaston Crespo and his colleagues have developed a multifaceted measuring technology that is able to detect a number of conditions in the human body.

From renal failure to dehydration. Future applications include both training apps and watches as tools to monitor health.

[Read the article](#)



# Education

## Who do you want to give KTH's educational prize in 2019?



Now you who work at KTH can nominate your favorite candidate for the award.

[See previous winners and nomination criteria](#)

## CBH Case for support – searching for external funding to research and education

**The KTH Development Office (DO) has during the past decade helped raise over 1 billion kr (!) in funding for KTH.**

**The CBH Impact team is now searching for you who would be interested in raising this type of funding.**

**[Find more information and how you can make your project into a “Case for support”](#)**

## Guest Lecture

**“Complex Architecture Asymmetric Copolymers via Anionic and Atom Transfer Radical Polymerization: Synthesis, Characterization and Self-Assembly”**

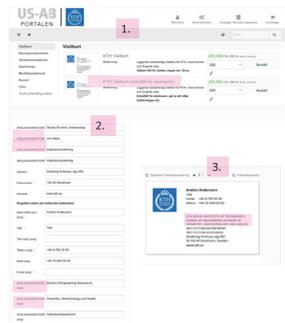
**On Friday May 17, 13:30-14:30, everyone at CBH is welcome to a lecture by Professor Apostolos Avgeropoulos, from University of Ioannina in Greece.**

**[More information about the lecture](#)**

# Guide to ordering new business cards

**Beställa visitkort med långt skolnamn**

- Steg 1: Välj mall nr 2 med "extra fält för Skolnamn".
- Steg 2: Använd båda infyllningsfälten för skolnamnet för både den svenska och engelska sidan.
- Steg 3: Kontrollera att du brutit skolnamnet korrekt genom att granska båda sidorna utav kortet, kontrollera att övrig text stämmer och skicka för tryck.



**CBH's school name is a little bit too long for US-AB's template.**

**There is now an instruction in Swedish which you can follow.**

[Read more](#)

## Invitation to Life and Career Planning

**KTH encourages both internal and external professional mobility.**

**Staff who have permanent positions and have been employed for at least three years before the application deadline, at least 50 percent part-time, can apply for Life and Career Planning at the Starck & Partner consultancy company.**

**The application deadline is June 12, 2019 and two information meetings will be held on May 27 and June 11.**

[Read more](#)

## Facility Service will be limited at Campus the 22nd and 23rd of May

**The Facility Service at Campus will be closed on Wednesday 22nd of May from 10.30 am and Thursday 23rd of May, due to a conference.**

[Information on telephone numbers and KTH Post](#)

## Courses and workshops on Zoom video conferencing

At KTH, employees and students can use Zoom for their online meetings. Employees can register for training in Zoom which is provided once a month. The next session will be in September.

You can also book your own workshop about Zoom or room based video conferencing from KTH IT-Support.

[Scheduled trainings](#)

[Book Zoom workshop](#)

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## Pop-up Recycle Container comes to KTH



Take the opportunity to recycle what no longer gives you joy at Stockholm City's Pop-up Recycling Container at KTH Campus May 23 - 26th.

[Read more on the intranet](#)

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## KTH's environmental training moves to CANVAS

**KTH' basic environmental course for all employees at KTH has moved to CANVAS. The course is open for participants again since May 8.**

All users who have been inserted in the previous version will be moved to the new one. This is an improvement when it comes to accessibility and facilitates production of reliable statistics. However, it implies that previous statistics will be reset to zero.

This is a good opportunity for all co-workers to freshen up their knowledge in environment and sustainable development at KTH, by taking the course again.

[Follow the link to the course](#)



## KTH Innovation Demo Day

**From bio-based ski helmets to software for autonomous vehicles. Want to see some of the latest startups from KTH Innovation? Join us for Demo Day at KTH Innovation on May 23rd!**

### **KTH connections:**

- **Monocular:**

Simon Alexanderson has doctorated at TMH (EECS)

- **Lokatt:**

Everyone in the team has studied Mechanical Engineering on master's level - Integrated Product Design (IPD) and the track Innovation Management and Product Development

- **Ellure:**

Rui Li, graduated from KTH with a master's in Human Computer Interaction and a minor in Innovation Entrepreneurship. Shanya, Andres and Jasmin are finishing their thesis in Innovation Management in fall 2019.

- **Ainomaly:**

The research results that have led to Ainomaly's first product ROBOTest have been developed by Pr Karl Meinke at the school of EECS

- **Zifro:**

Founder Sara Danielsson has studied Engineering Physics

[Read more](#)

## Open Coaching Health/Medtech & Cleantech Sustainability

**Do you have an idea or a research result that could have commercial potential?**

**Would you like some quick feedback on your idea and how to proceed?**

Book a time during one of KTH Innovation's open coaching sessions. On May 16th, focus is on Health/Medtech, and on June 4th, Cleantech & Sustainability.

[Information in English](#)



## Next deadline for KTH Innovation's recurring funding program



**KTH Innovation offers up to 300 000 SEK in Proof of Concept funding for ideas or research with commercial potential.**

The next deadline for application is June 3rd.

[Information in English](#)

## Scholarships to apply for

**Scholarships for researchers and entrepreneurs via the foundation Familjen Knut & Ragnvi Jacobssons stiftelse. (In Swedish)**

<https://www.familjenjacobssonsstiftelse.se/>



STIFTELSEN *för*  
STRATEGISK FORSKNING

PRESSMEDDELANDE 2019-05-07

## **Sök SSF Strategisk mobilitet eller SSF Sabbatical**

**Sök Strategisk mobilitet 2019! Programmet förenklar för forskare från industrin eller akademien/forskningsinstitut att arbeta hos den andra parten genom att SSF finansierar lönekostnaden.**

Stiftelsen för strategisk forskning har avsatt 15 miljoner kronor för en satsning på strategisk mobilitet under en period av två år. Varje bidrag inom programmet täcker en forskares eller motsvarande persons lön under en fyra till tolv månaders utbytestjänstgöring inom annan sektor än den som personen är aktiv inom. Gästforskaren skall under vistelsen bedriva strategisk forskning inom något av stiftelsens ansvarsområden som är naturvetenskap, teknik och medicin.

Personer vid myndighet/sjukhus kan söka på samma villkor som företagspersoner.

Sista ansökningsdag är **10 september**, 2019, kl. 14.00. Tidigaste projektstart kan beräknas till 2020-01-01. **Vänligen skriv ansökan på engelska!**

För utlysningstext och mer information om programmet, gå till

<https://strategiska.se/utlysning/strategisk-mobilitet-2019/> eller kontakta

programchef Joakim Amorim, [joakim.amorim@strategiska.se](mailto:joakim.amorim@strategiska.se), tel 073-358 16 65

**Stiftelsen för Strategisk Forskning (SSF) fyller 25 år i år. Det firar vi med jubileumsutlysningen ” SSF Sabbatsår” med 25 bidrag på upp till 3 miljoner kronor vardera under perioden 2020-2022.**

Programmet ger forskare möjlighet att ta ett sabbatsår utomlands inom ett annat forskningsområde än där personen verkar idag.

- Syftet är att öka rörligheten i det svenska högskolesystemet och bidra till att lösa betydande forskningsutmaningar genom tvärvetenskap. Lika viktigt är att återföra internationella perspektiv på forskning i Sverige, säger Lars Hultman, vd för SSF.

SSF:s bidrag täcker kostnaden för en vistelse under 6-18 månader till en organisation utomlands, som universitet, industri, sjukhus, stor forskningsinfrastruktur eller forskningsinstitut.

Utlysningen riktas mot tillsvidareanställda lektorer och professorer vid ett svenskt lärosäte. Ansökningarna kommer huvudsakligen att bedömas efter vetenskaplig kvalitet och förnyelse samt strategisk relevans för näringslivet och samhället.

Ansökan ska vara på engelska och skickas senast **kl. 14.00 den 11 juni 2019.**

För utlysningstext eller mer information om programmet gå till

<https://strategiska.se/utlysning/sok-jubileumsutlysningen-ssf-sabbatsar/>

eller kontakta forskningssekreterare Gergana Hamberg,  
[gergana.hamberg@strategiska.se](mailto:gergana.hamberg@strategiska.se), +46 8 505 816 76

SSF delar årligen ut cirka 700 miljoner kronor till forskning inom naturvetenskap, teknik och medicin. Forskare med SSF-stöd uppmuntras att aktivt samarbeta med aktörer utanför akademien för att nyttiggöra sina resultat. Forskare som uppbär medel från SSF ska också ha en plan för hur forskningen ska komma potentiella avnämare till nytta.

## External scholarship announcements in May

[Read more \(in Swedish\)](#)

### **Viking Olov Björk's scholarship in applied biomaterial research of 275 000 Swedish Crowns**

Viking Olov Björk's scholarship supports research in the intersection between medical technology and its close to clinical applications. This covers research and development within such areas as tissue engineering, nanotechnology or biomaterial research.

The scholarship is to be given to a young researcher at a Nordic university who has shown scientific skills in the field and shown aptitude for leadership within the scientific field supported by the scholarship.

The scholarship proceeds should be used to finance the recipient's costs for a longer visit to a high ranking international research institute. The visit shall be commenced within a year after the funding.

Researcher with employment at, or other similar strong collaborative link with Uppsala University shall prevail. Such link requires a well witnessed, and the year before application established collaboration in a research project that has Uppsala University as principal organization.

Application shall be written in English and includes CV, research plan for the project expected to be carried through at the foreign institute, certificate from the foreign site confirming access to and availability of resources, statement from tutor/similar at the own Nordic university, and finally budget for the stay abroad.

A brief written travelogue shall be sent to the Office for Medicine and Pharmacy within six months after return from the stay abroad.

Full applications received by the Office for Medicine and Pharmacy in a digital form under the address [jin.saida@uadm.uu.se](mailto:jin.saida@uadm.uu.se) not later than September 30, 2019 are considered. The application shall be submitted in the form of one single pdf file. Mark the application mail subject line "Viking Olov Björk's scholarship".

## Exploring fatty acid derivatives from renewable resources as raw materials for coating applications

Samer Nameer, Fibre and Polymer Technology

Fr 2019-05-29, 10:00, F3



### **What is your thesis about?**

The dissertation is about the use of different fatty acids for coating applications.

Different aspects has been evaluated e.g. how the fatty acids can be extracted from renewable resources, the use of an enzyme in the synthesis of multi-functional molecules and how the fatty acids and the multi-functional molecules can be applied in coating technology.

### **Does it have any connection to KTH's sustainability work and the global sustainable development goals?**

Yes, renewable resources such as birch tree bark and vegetable oils have been used in order to obtain the fatty acids. These resources are considered environmentally friendly and can be used in a future sustainable society.

### **How can your results be used in the future?**

The findings may hopefully lead to new innovations within coating technology.

The work shows e.g. that birch tree bark can be used for other means than energy recovery. Bark is considered a side-stream in the forest industry today and is generally used for energy recovery. The results in the thesis work shows that it is possible to extract interesting building-blocks from e.g. birch tree bark. In turn these building-blocks may be applied in the formation of bio-based materials.

## On the Solubility of Wood Hemicelluloses in Water and its Influence on the Adsorption at Cellulose/Water Interfaces

Saina Kishani Farahani, Fibre and Polymer Technology

Fr 2019-06-07, 10:00, F3

### **What is your thesis about?**

It is focused on fundamental understandings regarding the solubility and association of wood polysaccharides and their interaction with cellulose.

### **Does it have any connection to KTH's sustainability work and the global sustainable development goals?**

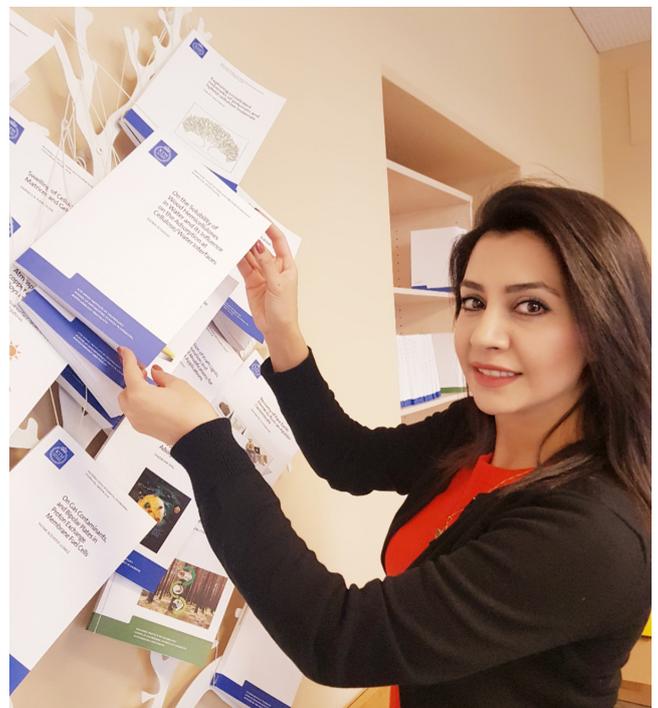
The structural diversities of wood biopolymers have increased the possibility of their utilization in different applications

In addition, the use of these renewable and biodegradable materials fulfils the objectives of the KTH's sustainability goals for developing and industrializing energy efficient resources, and to develop environmentally friendly and biodegradable materials which lead to a cleaner and sustainable future.

### **How can your results be used in the future?**

During the current century, the consumption of wood has increased worldwide in different applications such as the pulp and paper industry, films, additives, coatings and many other purposes.

It has become necessary to develop fundamental understandings of the structure, properties and interactions of these renewable polymeric compounds in order to develop high-quality products with better functionalities.



The next issue of CBH News will come out in week 22. The deadline for making contributions is on May 27 at 12.00.