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[Visa webbversion](#)

KTH has embarked on an intensive program of analysis, which is likely to lead to changes that many of us will experience. A radical restructuring of the administration has already started in the spring and work will intensify during the autumn term. Two additional very important reviews will soon start a review of *anställningsordning* (employment regulations, including promotion processes), and a review of internal funding (FoFU and GRU). Additionally, at the School level, we have decided to review the management structure at Department-level

These activities will influence and shape our future work environment, conditions, and how we use premises. I encourage you all to keep yourself informed and to get involved. Active participation is essential for an efficient transition to possibly new routines and processes. We will use all available School channels\* to spread information so that everyone has the opportunity to participate and give feedback.

\*There are many! e.g. this newsletter, skolkollegiet, APT meetings at your Department, faculty breakfast meetings, and School and Department management meetings. The [KTH internal web](#) pages also provide useful information.

***Sandra Di Rocco***

*Professor*

*Dean of the Faculty of Engineering Sciences*

[KTH Intranet](#)

## Interviews



### **"Nuclear power is now being taken seriously as a sustainable energy option"**

[KTH Innovation Award](#) 2022 is received by Professor Janne Wallenius, a researcher at KTH and an entrepreneur in the company Blykalla/Leadcold. He has been driving the development of small lead-cooled nuclear reactors, known as SMRs or Small Modular Reactors, since 2013.

*"I am honoured to receive KTH Innovation Award, an award to encourage creativity, grit and courage in the mission of making science and technology useful for humanity. One of the lessons from developing the SMR technology is to never give up,"* says Professor of Nuclear Engineering Janne Wallenius, who has been researching design and safety analysis of lead-cooled reactor systems since 1996.

[Read article](#)

[Read interview](#)

### **Interviewing Josefin Larsson**

Josefin Larsson was recently promoted to Wallenberg Scholar. We interviewed





Photo: Erik Thor/ Sveriges Unga Akademi

Josefin and talked about the promotion, as well as her career.

[Read interview](#)



## "Teacher of the Year" in the Vehicle Engineering programme

Per Wennhage was selected for the Teacher of the Year by the student section (Flygsektionen) of the Vehicle Engineering programme!

"It is an award that means a lot to me since it was awarded by the students who I meet in my everyday work. Must mean I'm doing something right in my student activities and it is a great encouragement for me to continue to develop as a teacher " says Per Wennhage who is receiving this award for the first time.

The procedure for the Teacher of the Year award in the programme is that any teacher can be nominated with proper justification by the students and the decision is made through a vote on a student meeting.

## Events



Photos: Elina Charatsidou

## CET2022 Converging Energy Technologies

KTH successfully co-organized the annual CET conference - Converging Energy Technologies. This year's [CET2022](#) focus was on Small Modular Reactors (SMRs), and experts from all over the world were invited to give their input on the importance of integrating nuclear energy into the present and future energy mix in order to reduce our greenhouse emissions and meet the EU sustainability goals.

During the conference participants had the chance to visit the [Äspö Hard Rock Laboratory](#) where research work was developed in order to build a permanent underground repository for spent nuclear fuel. Additionally, participants visited [OKG](#) and nuclear power plant facilities of Oskarshamn.

The entire conference was recorded and is available to the public.

[Watch the conference](#)



Photo: <https://www.nobelprize.org/>

## The 2022 Nobel Prize in Physics

The Nobel Committee will host a Zoom Colloquium.

**When:** Tuesday, Oct. 4, 2022, 15:15 CET

**Where:** [zoom link](#)

[The Nobel Prize](#)

## Workshops & Seminars



### KTH Transformation Day 2022 - The food industry transformation

At least a quarter of all greenhouse gas emissions come from the food sector. Therefore, a thorough adjustment of production, processing and consumption of the food we eat is needed. Food companies and the public sector have a great need for knowledge and innovation to cope with the transition. KTH Transformation Day 2022 will highlight the research at KTH that is already underway on the food industry's transformation, inspire more researchers to apply their own research to the food industry, and highlight examples from the sector.

**When:** 11 October at 9:00-15.15

**Where:** KTH Campus, Teknikringen 1, Arenan and Torget

[Program & Registration](#)



### Online Seminar on "Metallic Additive Manufacturing: excitements and barriers"

"Metallic Additive Manufacturing: excitements and barriers", Rocco Lupoi - Associate Professor, Mechanical, Manuf & Biomedical Eng. University of Dublin

**When:** 9 December at 12.15-13.00

**Where:** Online seminar (read more in the link below)

[Read more](#)

## KTH's collegial forum: Is there room for everyone's talent?

The Faculty Council welcomes KTH's researchers and teachers to KTH's collegial forum.

Recognitions and rewarding researchers and teachers are topics with great impact on the quality of a university as well as something that usually gets high attention due to the importance on an individual level. In this collegial forum, we will meet Professor Rianne Letschert who has a major role in further developing the Dutch model for recognizing and rewarding researchers and teachers in academia.

**When:** October 3 at 11-12.30

**Where:** zoom

The link to the meeting can be found under the School faculty assemblies' pages.

[Link and info](#)



## Workshop on Gender-Based Violence for doctoral students

KTH and Chalmers are inviting all doctoral students at both universities to a digital workshop about Sweden's national study on sexual harassment in academia with a focus on the study results for doctoral students as a group. The study results show that doctoral students are more exposed to sexual harassment than other groups at universities in Sweden.

The report for the national study on sexual harassment in academia can be found [here](#) and will be completely translated into English in the coming weeks. (*A summary of the study in English is already available at the above link*).

The workshop will include a presentation of the national study results as well as a presentation of the specific results for KTH's and Chalmers' doctoral students. We'll also have group discussions in breakout rooms.

We hope you'll participate in the workshop!

**Apply:** In order to receive the link to register for the workshop, which will also include more details on the workshop, please email **KTH Equality Office** at [equalityoffice@kth.se](mailto:equalityoffice@kth.se).

Welcome!

**When:** Nov 7th, 2022 13:00-16:00

**Where:** Zoom

[Equality Office](#)





## Films on gender equality

These films about gender and gender equality have been produced by researchers at KTH within the framework of KTH's work to integrate knowledge about gender equality, diversity and equal conditions in education. The purpose of the series is to disseminate knowledge from gender research in various subject areas that are relevant to KTH's students, doctoral students and teachers.

[Watch here](#)

## News

### Calls, Scholarship Applications & Studies

2022 Call for Collaborative Research Proposals (To apply see [link](#))

Digitalization Platform calls 2022 (To apply see [link](#))

Call for proposals to promote industrial transformation initiatives 2022 (To apply see [link](#))

Call: Collaboration within Energy Research 2022 (To apply see [link](#))

Research grants for research internships at the National Institute of Informatics in Tokyo (To apply see [link](#))

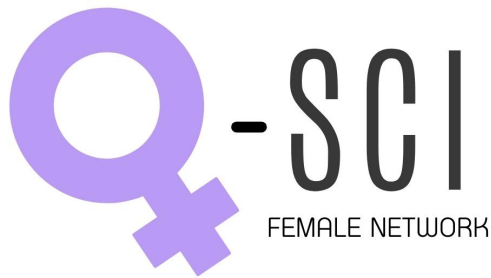
Scholarship announcements 2022 (To apply see [link](#))

Apply for a grant from KTH Opportunities Fund (To apply see [link](#))

Minor Field Studies - field studies in low- or middle-income countries (To apply see [link](#))

Get ready for exam period 1 (Read more [here](#))

## SCI Associations



### Female faculty network Q-SCI

The Q-SCI network is planning for an autumn meeting based on the report "Gender-based violence and sexual harassment in the Swedish higher education sector" that was published this summer ([read survey here](#)). So keep an eye out for the invitation! If you want to know more about it, the report is also discussed in the Vice Presidents' blog: [Gender-based vulnerability in academia and at KTH – Vice Presidents' blog](#).

Please also make sure to recommend new colleagues to sign up for our emails! Easiest is to write to [g-koordinator@sci.kth.se](mailto:g-koordinator@sci.kth.se). Suggestions for topics of seminars, work-shops and other activities are always welcome!

[Q-SCI Intranet page](#)

### SCI PhD Student Council

Dear Ph.D. students of SCI,

Are you aware of the updates that are posted on our [intranet page](#)? Here, we share information on how to join our council meetings, summaries of our discussions, and maybe most importantly, answers to frequently asked questions. These might be exactly what you are looking for and help you tackle problems that you are facing.

The council is hard at work planning more events in the fall, so look out for



announcements in your email inbox! Also, yearly council elections are approaching. If you are curious about what the council does and think you might want to participate, the best thing is to drop us a line at [sci-council@dr.kth.se](mailto:sci-council@dr.kth.se) or come to our next meeting on October 31st (location TBA – keep an eye on the [council calendar](#)).

Your opinion matters. Let's cooperate for an improved Ph.D. student life at KTH!

[SCI PhD Student Council](#)



## We Congratulate

**Josefin Larsson** has been promoted to professor of physics with specialisation in experimental astroparticle physics, September 2022.

**Carlota Canalias** has been appointed as the new department head for Applied Physics, October 2022.

**Per Wennhage** who was awarded the "Teacher of the Year" on the 5-year Vehicle Engineering Programme (Farkostteknik).

**Fredrik Lundell** who was awarded the "Teacher of the Year" on the 5-year Built Environment Programme (Samhällsbyggnad).

**Antonio Lerario** (SISSA) has been appointed as guest professor in mathematics. October 2022 - September 2023.

## Recent Licentiate Degrees

**Linda Eliasson** (Physics) Towards nanodosimetry: therapeutic radiation measurements using the variance method.

## Recent Doctoral Graduates

**Harsha Cheemakurthy** (Vehicle and Maritime Engineering) Framework for holistic design of ferries focusing on lightweight ice going hulls.

**Meng Zhang** (Vehicle and Maritime Engineering) Efficient hull design for ice conditions in inland waterways.

**Erik Jungstedt** (Solid Mechanics) Deformation and Fracture Behavior of Transparent Wood-Polymer Biocomposites.

**Eva Lundberg** (Vehicle and Maritime Engineering) Micro-structural based acoustic modelling of anisotropic open cell materials.

**Yuchuan Fan** (Physics) Optical Performance Monitoring in Digital Coherent Communications: Intelligent Error Vector Magnitude Estimation.

**Jingjan Zhou** (Physics) Luminescent Silicon Nanocrystals: From Single Quantum Dot to Light-harvesting Devices.

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