



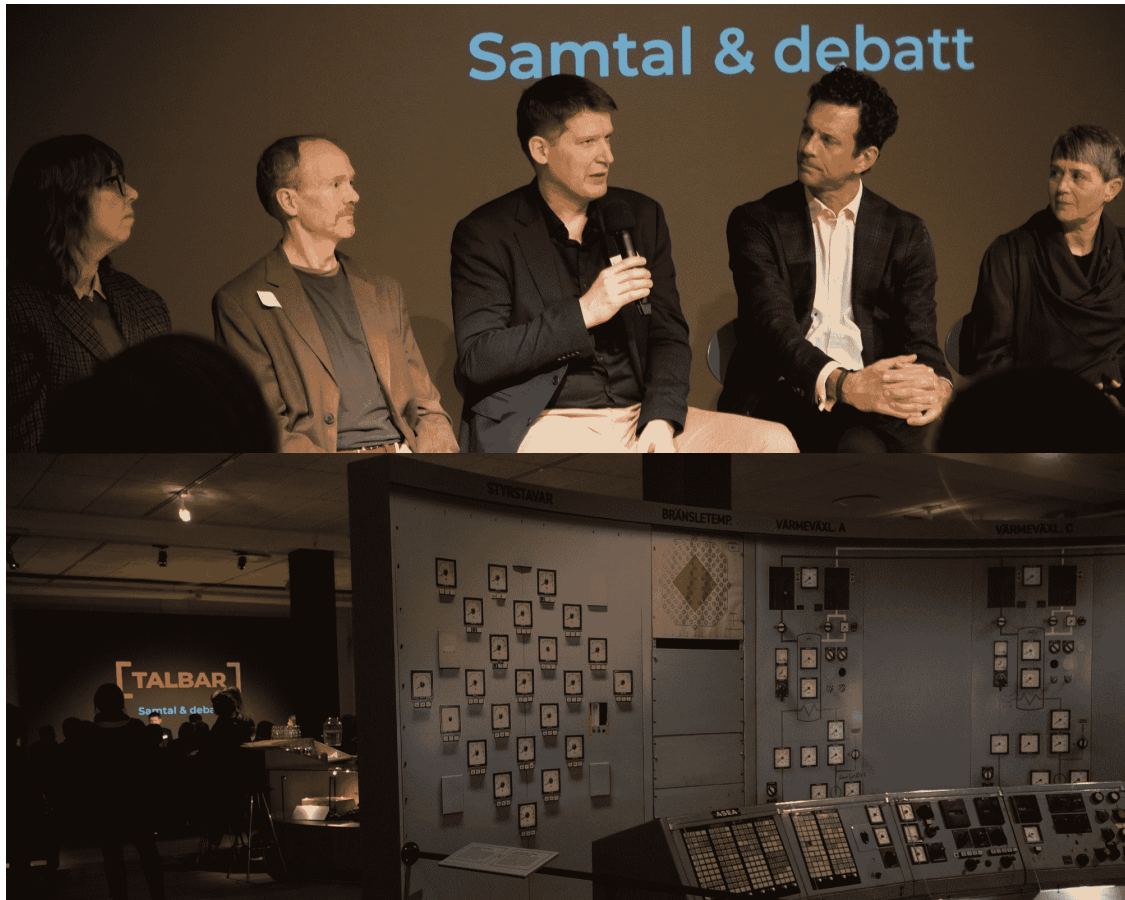
Recently, a plan which aims to improve KTH's financial situation was presented. The focus is on decreasing the cost of premises, increasing educational revenue, and optimising the administration. As part of this effort, the School aims for a sustainable increase in the number of students in all our engineering programmes and some Master's Programmes. We have received an encouraging number of applications for our Master's programmes, with some, such as Nuclear Engineering, experiencing a significant increase from last year. While the School is not yet taking any major steps concerning premises, we are encouraging all Departments to be cautious in expanding premises due to the significant rent increase.

The Departments are currently finalising their new management teams, and we are excited to soon start working with them. The next step involves reviewing the structure of Divisions. Your participation is crucial in the upcoming changes! We value your input and ideas and we encourage you to engage in discussions to help shape the future of our school.

Finally, the QS University Rankings for 2023 have just been published. All of the core subjects at the School have improved their rankings. Mechanical, Aeronautical & Manufacturing Engineering has moved from 26 to 22, Mathematics from 59 to 48, and Physics and Astronomy from 99 to 64, placing them among the top-ranked subjects at KTH. We acknowledge the hard work of all our students and staff in achieving these results!

Sandra Di Rocco

Professor
Dean of the Faculty of Engineering Sciences



On March 16th Pär Olsson (professor in nuclear technology at KTH) and Per Högselius (professor in history of technology at KTH) sat in a panel during the inauguration of a new exhibition on nuclear energy and the Ågesta nuclear power reactor at Tekniska museet and discussed on the topic 'Is nuclear power cultural heritage?'

[Read more](#)



When will small, modular reactors power our society?

Welcome to a talk with Janne Wallenius, 2022 Recipient of the KTH Innovation



Internal seminar: Fusion research at KTH

Welcome to an internal seminar on fusion organised by KTH Energy Platform

Award. As a researcher at KTH and entrepreneur in the company Leadcold, Janne Wallenius has been driving the development of small lead-cooled nuclear reactors since 2013. How did Leadcold's journey start and what challenges remains until we have power to the grid?

Date: 21 April 2023, 12.15-13.00

Place: Teknikringen 1

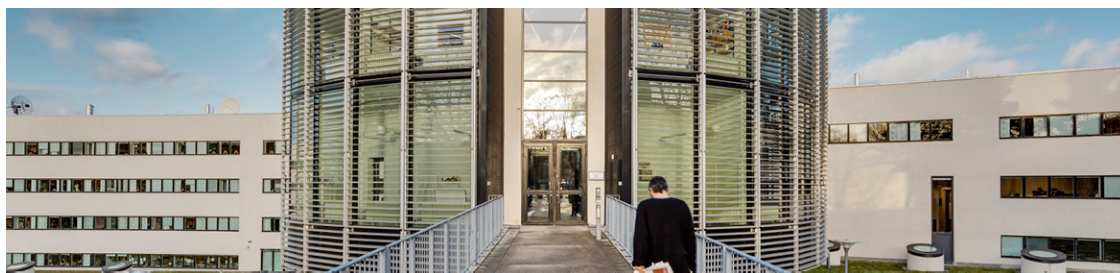
[Read more](#)

due to the fact KTH is starting a centre for fusion research. During the seminar, there will be an open discussion about fusion research, alternative technologies, and potential applications. In recent months, fusion power has received much attention in the media. New records have been reported from both the USA and England - the latter with essential contributions from KTH researchers. In Stockholm, a new company, Novatron Fusion Group, has also started developing a new design of the magnetic fields to enclose the hot fusion fuel to be tested at KTH.

Date: 24 April 2023 at 11.15-14.00

Place: Teknikringen 1, Gradängsalen

[More information and registration](#)



Summer research positions in physics for undergraduate students at KTH

The Department of Physics at KTH offers at least four research positions for highly motivated undergraduate students this summer. You will get the opportunity to deepen your knowledge in physics and learn research methodology by working with leading research teams on topical questions. We offer a range of projects in the fields of condensed matter theory, nuclear physics, particle physics, astrophysics and physics of medical imaging. The full list of projects is available [here](#).

[Read more](#)



Göran Gustafsson Prize to Fredrik Viklund

Fredrik Viklund is among the two researchers from KTH winning this year's Göran Gustafsson Prize. Fredrik Viklund is a professor of Mathematics, and receives the prize for mathematics. He uses interdisciplinary mathematical methods to understand fascinating mathematical structures. The Göran Gustafsson Prize comprises a research grant of SEK 5.7 million and a personal prize of SEK 300,000.

[Read more](#)



Kathlén Kohn Photo: Emma Burendahl

Kathlén Kohn has been awarded the L'Oréal-Unesco For Women in Science Prize

Kathlén Kohn is awarded the L'Oréal-Unesco For Women in Science Prize with the support of the Young Academy of Sweden "for innovative use of algebraic methods in computer vision and her ambitious vision for an interdisciplinary research environment".

Podcast interview [here](#).

[Read more](#)



Photo: www.qs.com

The QS subject rankings for 2023 are released, here is a small summary of KTH's results.

In the QS Rankings by Faculty area, KTH ranks highest in the subject areas of Engineering & Technology and Natural Sciences. In both of these subject areas, however, KTH loses places compared to last year, from place 28 to 44 in Engineering & Technology and from 78 to 101 in Natural Sciences. These subject areas are measured using five indicators – academic reputation, employer reputation, citations, H-index (a measure that describes both productivity and reach of publications) and international (a measure of the share of international research collaborations). Within Engineering & Technology, KTH scored worse in all parameters compared to last year. Within Natural Sciences, KTH has received higher score values in Citations and H-index, but has gone back in other indicators.

In the QS Rankings by Subject, KTH ranks within the top 200 in 14 subjects. You can see below how KTH was ranked in these subjects this year and last year:

[Read more](#)

Ämne	2022	2023
Mechanical, Aeronautical & Manufacturing Engineering	26	23
Materials Science	27	23
Electrical & Electronic Engineering	23	23
Architecture / Built Environment	22	26
Civil & Structural Engineering	44	44
Mathematics	59	48
Chemical Engineering	85	58
Computer Science & Info Systems	54	62
Physics & Astronomy	99	64
Environmental sciences	98	78
Chemistry	104	87
Art & Design	51-100	101-150
Biological Sciences	201-250	151-200



Photo: www.google.com

Swedish levels A1 & A2

The application period for the courses Swedish as a foreign language for employees has now started. We offer the courses Swedish for beginners (A1) and Swedish for advanced beginners (A2). The courses go May 29 through June 21 with a total of 14 lessons. The application period ends on April 16, so sign up today!

[Register](#)



KTH Innovation Demo Day

See 16 new startups founded by students and researchers at KTH. From painless diagnostics kits and underwater robots to audio searches in your favorite podcast and instruments designed for people with intellectual disabilities. Welcome to KTH Innovation Demo Day on 4 April!

[Read more](#)



Fund your idea or commercialization project

What funding opportunities exist when you want to go from research to societal impact? KTH Innovation welcomes researchers at KTH to a lunch seminar about funding opportunities for ideas or commercialization projects.

12.00-13.00 at Teknikringen 1

[Read more](#)

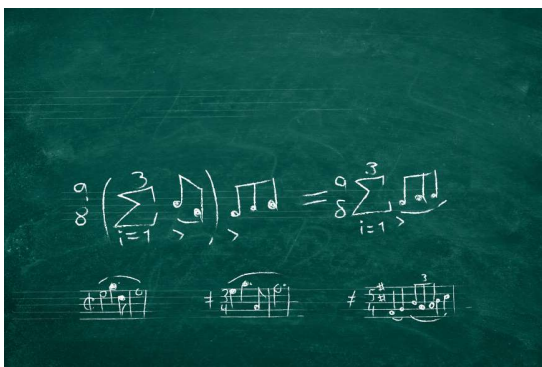


Workshops about immaterial rights

KTH Innovation and RSO have developed a short and easily accessible training module that summarizes the most important things that you as a researcher need to know about IP and how your research results can create impact in society. Want us to visit your department?

Fill out this simple form and we will be in touch!

[Read more](#)



NomineraNominate for the KTH Innovation Award

The nomination period for the KTH Innovation Award is open. This prize and 500 000 Swedish crowns is awarded to someone who has dared to take on big challenges and works tirelessly to shape a better future. Is this you or someone you know with a connection to KTH? Nominate by 27 April!

[Read more & Nominate](#)

Music and mathematics, exciting rhythms and patterns

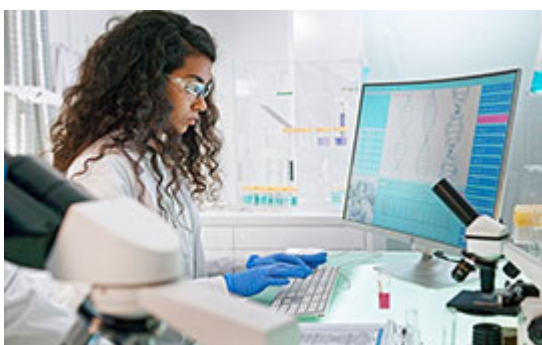
Welcome to a concert with KTH Academic Orchestra.

When: Sun 2023-04-23, 15.00 - 16.50

Where: Kungasalen KMH (Kungliga Musikhögskolan), Valhallavägen 105

Contact: evenemang@kth.se

[Read more](#)



Do you need ethical approval for your research?

You can get information and personal guidance about ethics review applications for research involving humans and animals from ethics advisor Amena Archer. She works 25 per cent of her time on the task over two years, based on funding from the KTH Life Science platform.

[Read about the ethics service in an interview with Amena Archer](#)

This week we bring you some useful links and tips to make your life as a PhD a tad bit easier!

First up, with a bunch of conferences lined up in the summer, it might be useful for you to get familiar with the different steps involved in creating travel requests, expense reports, and other administrative tasks that tag along with it. This [page](#) has step-by-step instructions on different procedures you might need to follow.

Next up, an important tip from the Educational Manager of the council. The eISP is an important document for both you and your supervisor. This document must be updated regularly and also whenever the necessity pops up. Last week the FA team sent out [instructions](#) for filling out eISPs. It is highly recommended to take a look at this helpful well-organized 3-page document and save it somewhere for reference before the next eISP revision meeting with the supervisor. If you are unfamiliar with the Higher Education Ordinance Annex 2 referenced in the instructions, the unofficial English translation is available [here](#). A link to the official text and a host of other useful information can be found in the PhD [Handbook](#).

Last but not the least, a lot of questions can come up for which you might need answers. Or you might want to be updated on the events happening. In that case, visit our council's [page](#) where we have a list of FAQs that can answer your questions, post all the upcoming events at the school level and at the PhD chapter, and other useful information.

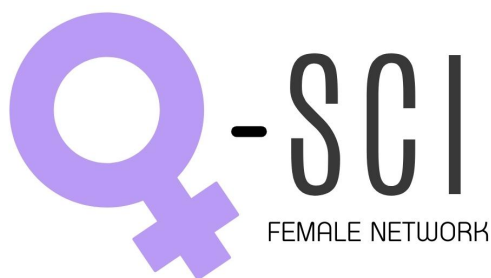
Stay tuned to the newsletter for more updates!

We hope to achieve our goals, represent the students' voices, and improve the lives of the PhD students!

On behalf of the 2023 board, Mattias Åstrand (Chair), Charlie Börjeson & Vlada Gaisina (Vice-Chairs), Jana Vasiljevic (Event Manager) and Sai Kausik Abburu (Webmaster).

[SCI PhD Student Council](#)





Female faculty network Q-SCI

The Q-SCI network has just had an interesting meeting with Professor Anna Wahl, talking about “How to transform academia from within - gender mainstreaming and organizational change at KTH”. We recommend you to visit: [Jämställdhets- mångfalds- och lika villkorsmedveten pedagogik | KTH](#)

As mentioned last month, the interest in the Q-SCI mentorship program was large and we are in need of more senior researchers willing to act as mentors. Please contact us if you are interested! Easiest is to write to q-koordinator@sci.kth.se. Suggestions for topics of seminars, workshops and other activities are also welcome!

[Q-SCI webpage](#)

We Congratulate

Francesca Tombari who received a grant for international postdoc by the Wallenberg Foundation (WASP).

Klara Courteaut and **Scott Mason**, who received grants for international postdoctoral positions from the KAW Program for Mathematics in 2023.

Professor **Michael Stillman**, from Cornell University, and professor **Igor Shparlinski**, from the University of New South Wales, who will get funding as visiting professors in the department of Mathematics from the KAW Program 2023.

Lilian Matthiesen, who is awarded the Wallenberg Prize 2023, together with Olof Sisask (Stockholm University) for their results in additive combinatorics and algebraic geometry.

Recent Licentiate Degrees

Zhongzheng Wang (Engineering Mechanics) In Vivo Evaluation of Skeletal Muscle Morphological and Mechanical Properties using Medical Imaging.

Recent Doctoral Graduates

Bartolomeus Olsthoorn (Physics) Homology and machine learning for materials informatics.

Gustav Marin (Solid Mechanics) Impact on paperboard deformation and damage mechanisms on packaging performance.

Vedad Tojaga (Solid Mechanics) On Fiber Network Fracture Mechanics and Kink Band Formation in Biocomposites.

Yulia Mishchenko (Physics) Engineered microstructure composites as means of improving the oxidation resistance of uranium nitride.

School of Engineering Sciences (SCI)

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