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Dear colleagues,

Welcome back to KTH.

After the warm and hopefully relaxing summer break we now start a new academic year, which will undoubtedly bring new experiences, new challenges, and new successes.

I would like to wish you all a fruitful start to the new term!

***Sandra Di Rocco***

*Professor*

*Dean of the Faculty of Engineering Sciences*

## **Pedagogical Program at KTH**

Carlos Casanueva Perez presents himself and talks about the strategic educational development program at KTH



[Read interview](#)



**Welcome to sign up for this autumn's workshops for doctoral students arranged by the library.**

KTH Library offers workshops in the area of literature searching, data management, reference management, and publication. You find all the workshops in the library's calendar in the link below.

If you are a group of doctoral students or researchers who are interested in a specific topic we can arrange a special workshop for your group. Use this [form](#) to order a workshop.

There are workshops both on campus and via Zoom this semester. All topics are given via Zoom and a few are also offered as on-campus workshops. Be sure to check if it's a distance or on-campus workshop you sign up for.

If you have any questions or suggestions of topics you would like us to give a workshop about, please let us know by contacting us on [biblioteket@kth.se](mailto:biblioteket@kth.se).

[Read more](#)

## Nominate a candidate for the position of Deputy President

All employees and students at KTH are invited to contribute to the recruitment process of a new Deputy President by nominating one or several candidates that you find suitable for the position.

Use the advertised [employment profile](#) for Deputy President, when you are considering your nomination and supporting arguments. It is preferable if the candidate has been asked if they are interested. If you for various reasons don't have the opportunity to ask the candidate yourself, please contact the external recruitment firm that KTH has an agreement with for support in this process.

Proposals for Deputy President and supporting arguments of max one A4 page are to be **submitted by 20 September 2022 at the latest**. Please send it to Michaël Berglund AB, KTHs external recruitment firm. The position as Deputy President is also a generally advertised position that external as well as internal candidates can apply for. For questions about the position and the application, contact the responsible consultants at Michaël Berglund.

[Find more here](#)



Photo: KTH

## Anders Söderholm appointed President of KTH

The Swedish government has appointed Anders Söderholm President of KTH from 1 December 2022.

[Read more](#)

**Trust is essential to this year's  
'Supervisor of the Year'**





This year's 'Supervisor of the Year 2021/2022' award goes to Rafael Eduardo Guedez Mata, a researcher at the EKV Heat and Power Technology division at the ITM School. This is the second year of the Ph.D. Chapter at THS has awarded the prize – the winner is picked by an independent jury from all five KTH schools.

[Read the interview here](#)



Photo: <https://cmlelrici.wordpress.com/>

## The C.M. Lerici Foundation supports cultural and scientific exchange between Sweden and Italy

The C.M. Lerici Foundation supports cultural and scientific exchange between Sweden and Italy.

The Foundation provides:

Scholarships for Italian and Swedish citizens who want to carry out study and research projects in Italy or Sweden in a wide range of subjects;

Contributions for Italian and Swedish publishing houses.

The next application period is December to January

[Read more](#)



## 13 September: Innovation mingle & networking evening

Welcome to KTH Innovation Collide, an evening for everyone interested in innovation & impact. Meet spinoffs from KTH, people from industry and the business community, and mingle with KTH Innovation. Mocktails and snacks! 250+ people have already signed up!

Come to KTH Innovation Collide.

[Read more](#)



## One year of impact and innovation

Do you have an exciting research result you have started to develop towards the market? Feel ready to spend more time on your project? Want to join a supportive community and someone who can point you in the right direction? Then the KTH Innovation pre-incubator program might be for you!

Apply to the program by 2 October

[Apply here](#)



## Save the date: UCL and Stockholm Trio Research Workshop 17-18 October

The Cities Partnerships Programme Stockholm, comprising UCL and the Stockholm Trio of Karolinska Institutet, KTH Royal Institute of Technology, and Stockholm University, invites you to express interest in a research workshop from 17 to 18

October. The workshop takes place in Stockholm, from lunchtime to lunchtime. The afternoon of 18 October will be dedicated to supporting attendees in developing ideas for subsequent work, applying for funding, and working in consortia. The outline themes for this workshop may include climate action (societies and institutions), housing (urban safety and security), and Digitisation. The definitive themes will be announced in early September. Proposals for additional themes grounded in excellent work or potential between Stockholm and UCL are also welcome!

[University Alliance Stockholm Trio](#)

## Call for proposal: Senseable Stockholm Lab – Kista Initiative

In the SSL-Kista Initiative, the Senseable Stockholm Lab joins forces with Kista Science City with the aim to start a new era of research and education on digitalization and sustainable urban solutions in Kista; combining the cutting-edge research on cities, IoT, and AI of the Senseable Stockholm Lab with the deep knowledge of the world-leading companies in the Kista ecosystem.

**Submission deadline 20 September 2022.**

[Apply here](#)

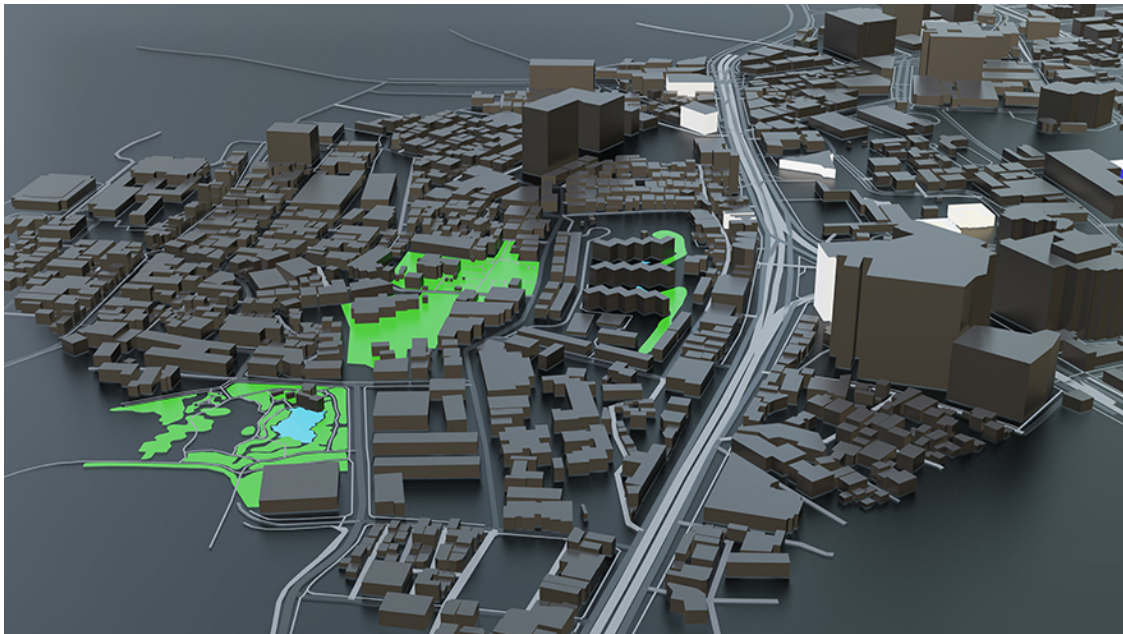
## Knut and Alice Wallenberg Foundation

Time to start planning for the Wallenberg Academy Fellows!

Knut and Alice Wallenberg Foundation have set up a long-term program for young researchers: Wallenberg Academy Fellows. The program is open to researchers in all academic disciplines: medicine, engineering and technology, natural sciences, social sciences, and humanities/religion. KTH can nominate a maximum of 12 candidates and our President decides which candidates can send in a full application. The last day to apply for the pre-proposal at KTH is **3 October 2022**.

More information at the internal KTH Wallenberg pages

[Read more](#)



*Urban environment  
Image: Mostphotos*

## Urban planning for a safe society

Shootings, explosions and open drug dealing have become pressing problems in society. Crime and fear of crime affect different people in different places differently and this makes it more difficult to find solutions to problems and limits the capacity to think innovatively.

Innovation is often about asking new questions and daring to test new approaches. Can we work on building and maintaining cities so that they are safe and secure for their citizens?

Welcome to an open lecture with Vania Ceccato, Professor of Urban and Regional Studies. Vania talks about her research in urban safety and how innovation is used to create a safe and socially sustainable future.

**When:** September 8 at 17:00-17:45

**Where:** Digital via Zoom link

**Language:** Swedish

[Read more and sign up](#)





## ITRL Open House, 2022-09-08

Welcome to ITRL Open House! Experience our demos and try driving remote controlled vehicles, mingle with researchers and partners, and learn more about the future of transportation.

[Register here](#)

## KTH Relocation

You do know about KTH Relocation and the service provided by them, don't you?

KTH Relocation support newcomers, requirements, and guest with housing for the first year at KTH and may also answer your questions about general support for spouses, insurance matters, and how to navigate Swedish Society.

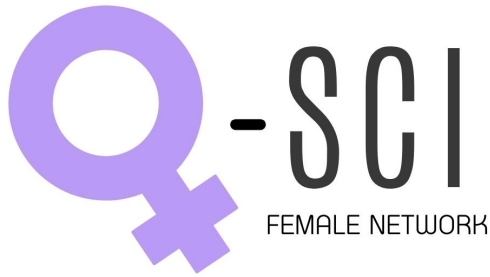
[Find useful info here](#)

## Female faculty network Q-SCI

The Q-SCI network is looking forward to welcome both old and new colleagues to our meetings this autumn! We plan to restart our mentorship program for female PhD-students and early-stage researchers towards the end of the year, so please make sure to recommend new colleagues to sign up for our emails! Easiest is to write to [q\\_koordinator@sci.kth.se](mailto:q_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,

Welcome back! We hope you had a refreshing summer break and are ready to tackle a new semester.

To help you get back to your working routine and healthy student life, we propose you check out our [intranet page](#) and updates to come. Here you will find answers to common questions and information on how to attend our monthly council meetings – join us and have a say in student influence at SCI!

For any other initiative, inquiry, or concern, contact us at [sci-council@dr.kth.se](mailto:sci-council@dr.kth.se).

[SCI PhD Student Council](#)



## We Congratulate

**Erik Lindgren** started as an associate professor in mathematics with a specialization in

mathematical analysis, July 2022.

**Pierre Nyquist** has been appointed as a docent in mathematics with a specialization in mathematical statistics, August 2022.

## Recent Licentiate Degrees

**Jukka Hyttinen** (Vehicle and Maritime Engineering) Truck tyre rolling resistance - Experimental testing and constitutive modelling of tyres.

**Mina Wagih Nashed** (Vehicle and Maritime Engineering) Power based two-ports for duct acoustics with application to HVAC-systems.

**Lisa Ydrefors** (Vehicle and Maritime Engineering) The relationship between rolling resistance and tyre operating conditions, with a focus on tyre temperature.

## Recent Doctoral Graduates

**Nicolo Scapin** (Engineering Mechanics) Phase-changing flows: numerical methods and fully resolved simulations.

**Tommy Grankäll** (Vehicle and Maritime Engineering) Tooling and processing for efficient and high tolerance prepreg composites manufacturing.

**Giulia Ripellino** (Physics) Haystacks and Needles - Measuring the number of proton collisions in ATLAS and probing them for the production of new exotic particles.

**Yibei Li** (Applied and Computational Mathematics) Inverse and Forward Approaches for Optimal Control and Estimation in Agent-Based Systems.

**Filip samuelsson** (Physics) Cosmic rays and shock physics in gamma-ray bursts.

**Shan W Jolin** (Physics) Classical and Quantum Correlations in Microwave Frequency Combs.

**Thomas Frachon** (Applied and Computational Mathematics) Cut finite element methods for interface problems.

**Santhosh Babu Mamidala** (Engineering Mechanics) Effects of free-stream turbulence and three-dimensional roughness on boundary layer transition.

**Max Widarsson** (Physics) Pulse Generation and Detection through Intra-Cavity Up-Conversion.

**Mattias Jönsson** (Physics) Theory for superconducting few-photon detector.

**Isabel Haasler** (Applied and Computational Mathematics) Graph-structured multi-

marginal optimal transport: Theory, applications, and efficient Methods using Entropy Regularization.

**Samuel Gyger** (Physics) Integrated Photonics for Quantum Optics.

**Wenliang Zhang** (Vehicle and Maritime Engineering) Exploiting over-actuation for improved active safety of autonomous electric vehicles.

**Clemens Deutsch** (Vehicle and Maritime Engineering) On the Performance of Long-Range Autonomous Underwater Vehicle.

**Joao Pereira** (Physics) Optically poled fibers for electro-optic applications.

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