



Photo: KTH on Facebook

This time, I would like to share some thoughts about our work environment. KTH is not an abstract entity - it comprises teachers, researchers, students, technical and administrative staff. In other words, we are KTH. Our work environment is not simply buildings, offices, classrooms, laboratories and research infrastructure, but also includes ourselves as colleagues, advisors and leaders. A healthy work environment is of fundamental importance for a successful and growing institution like KTH. I am very proud of our School's staff and that we work together to maintain and improve our stimulating work environment. We have now returned to in-person activities whenever possible. It is important to remember that many of our Ph.D. students and newly employed staff are meeting colleagues at KTH for the first time in almost two years. Now, more than ever, your presence will make a real difference to the work environment. Everyone can contribute - please do not leave it to someone else!

Sandra Di Rocco

Professor

Dean of the Faculty of Engineering Sciences



Interviewing Maurice Duits, appointed as professor in Mathematics

Maurice has recently been appointed as a professor in mathematics. We interviewed him, to get an insight into the new role as well as his professional background.

[Read more](#)



Talking to Jonatan Lenells who was promoted to professor of Mathematics

Jonatan Carl Anders Lenells has been promoted to professor in mathematics starting from this summer. We talked to him regarding his promotion.

[Read more](#)



Interview with Abbas Dashimanesh, appointed as assistant professor

Abbas Dashtimanesh has been appointed as an assistant professor in naval architecture, starting from the 22nd of November. Occasioned by his arrival at KTH, Abbas talked to us about his career and background and shared his plans for the future.

[Read more](#)



SCI PhD Student Council

You can now **nominate yourself** for the **2022 SCI PhD Student Council!** The nomination is open until **3rd Dec** through the [Nomination form](#).

See the [election webpage](#) for information about the **different positions**, the **compensation** and more.

The results will be presented in the election meeting on **17th Dec**, save the date! More info about the meeting (and the following dinner) will be sent out soon.



Conduct your research at both KTH and NTU Singapore

Are you interested in conducting two years of independent research, split between KTH and NTU Singapore? Apply for The Wallenberg-NTU Presidential Postdoctoral Fellowship before 10 January.

[Learn more and apply](#).

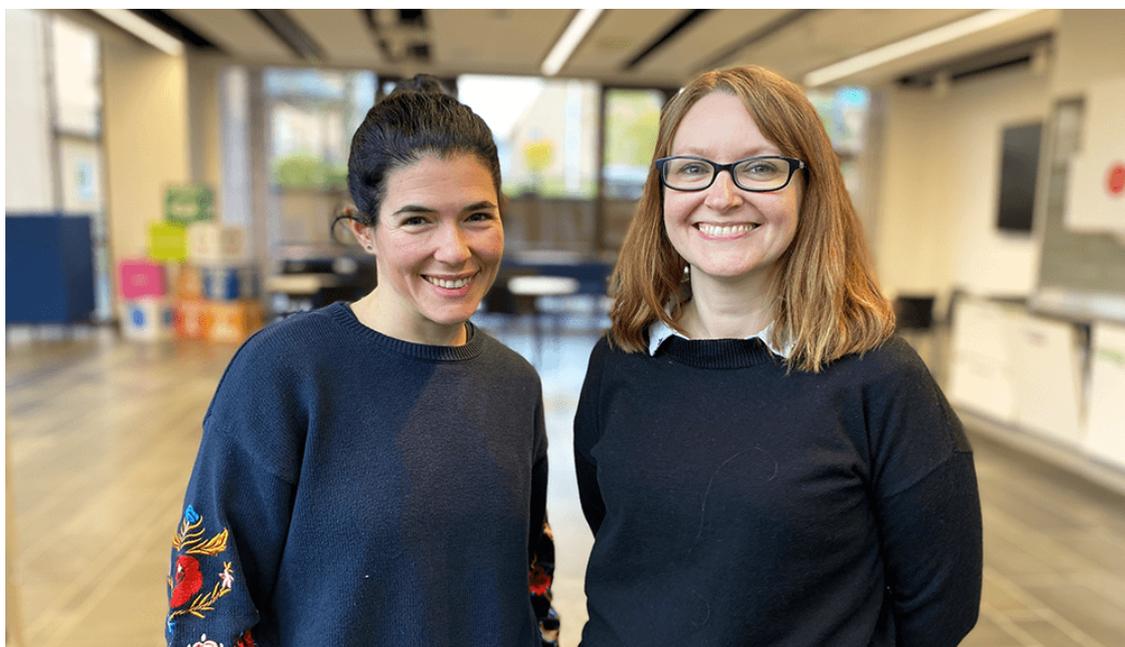
How the RAE 2021 findings will help KTH's development

In RAE 2021, KTH's research was reviewed and evaluated by 90 invited international experts. Their recommendations have been compiled in a series of twelve reports that provide important information for the future development of KTH's research. These can be seen in prioritized activities in the operational plan for 2022, which KTH's President Sigbritt Karlsson recently finalized.

How the RAE 2021 findings will help KTH's development [read here](#)

Implementation of results [here](#)

Expert reports [here](#)



Mentors gave confidence boost for commercialization

As researchers, we focus on something very specific and only share it with people who are doing more or less the same thing. That makes your circle very small. Hearing someone from the outside say "that's a good idea, that can work" inspires you.

Link: Lauren McKee and Amparo Jimenez got an industry mentor.

[Read more](#)

A toolbox for spreading science

Research Support Office recently launched three new Canvas courses to further train KTH's researchers, one of these with the theme of communication. Hi, Louise Gustafsson, Research Communications Manager at KTH, why do researchers need to learn the noble art of telling about their jobs?

[Link to the course](#)

[Read the article](#)

We congratulate

Maurice Duits (Department of Mathematics) has been appointed as professor in mathematics, November 2021

Ruoli Wang (Department of Engineering Mechanics) has been appointed as a docent in Engineering Mechanics with specialisation in Biomechanics, November 2021

Abbas Dashtimanesh (Department of Engineering Mechanics) has been appointed as assistant professor in naval architecture, November 2021

Mattias Blennow (Department of Physics) has been promoted to professor in theoretical physics with a specialization in astroparticle physics, December 2021

Stefan Wennmalm (Department of Applied Physics) has been appointed as a docent in physics with specialization in biological physics, November 2021

Recent Doctoral Graduates

Ross Harnden (Vehicle and Maritime Engineering) Lightweight multifunctional composites: An investigation into ion-inserted carbon fibres for structural energy storage, shape-morphing, energy harvesting & strain sensing

Yixing Liu (Engineering Mechanics) Facilitating Exoskeletons in Daily Use: Simulations and Predictions for Design and Control

Yazhou Shen (Engineering Mechanics) Numerical studies of flame stabilization relevant to gas turbine engines using methane and e-fuels

Ignas Mickus (Physics) Towards efficient Monte Carlo Calculations in Reactor Physics

Johan Wärnegård (Applied and Computational Mathematics) Energy-conservative finite element methods for nonlinear Schrödinger equations

Marcus Pernow (Physics) Models of $SO(10)$ Grand Unified Theories: Yukawa Sector and Gauge Coupling Unification

Corrections from the previous issue

Bejan Hamawandi (Department of Applied Physics) Synthesis and Characterization of Nanostructured Thermoelectric Materials

Andreas Bodén (Department of Applied Physics) 3D super-resolution microscopy of living cells using reversibly switchable fluorophores

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