Welcome to the EECS Staff meeting

30 March, 9:00–9:30
Agenda

• Ann Lantz – management information
• Markus Hidell on first and second cycle education
• Carl-Mikael Zetterling on the Electrum lab
• Anette Arling from Finance on the school budget
• Anna Kiefer from Digital Futures
• Emanuel Borg from doctoral support
• Anna Mård, Felicia Gustafsson and Tysse Norlindh Falk from HR
• Q&A
Management information

84 persons have been recruited to EECS during January – March 2023. Including:

- 9 administrative officers
- 28 undergraduate assistants (amanuens)
- 13 doctoral students
- 5 researchers
- 12 research engineers
- 12 post doctors
- 1 industrial doctoral student
Congratulations Wouter!

Wouter van der Wijngaart (EECS) will represent the teachers in the University board for the mandate period 2023-05-01 – 2026-04-30 together with Ulrica Edlund (CBH), Nicole Kringos (ABE).
KTH and President decision

Changes to the KTH Management Group from January

• The group includes the President, Deputy President, Head of School, the University Director and Deputy Director, and a representative of the Student Union.

• Meetings are held once a week.

President decision on activities to restore financial balance

• Deputy president: suggest how costs for all premises can be decreased, investigate consequences of changed operations on one or more Campuses.

• Head of school: increase the income from GRU, reduce costs or increase the income in our business plan for 2024.

• University Director: cut costs within the administrative support with 50 million SEK until the end of 2024.
Campus visits

• The President, Deputy president and the University director will visit Campus Södertälje, Campus Flemingsberg and Campus Kista on 31 March.

• The visit to Kista will be at 13:30, in Sal B.

• Heads of department and heads of division with connection to the campus have been informed, but everyone at the school is welcome to attend.
EECS' management

The management group at EECS includes the Head of school, the Deputy head of school, the Director of First and Second Cycle Education (GA), the Director of Third Cycle Education (FA), Heads of department, the Head of the school’s faculty assembly, the Head of administration and student representatives.

The group meet 1-2 times per month.

The extended management group at EECS also include Heads of division, the Director for Electrum lab and for PDC.

The group meets once a month.

The most important topics on the agenda during February and March have been:
- Business plan 2023 (24-25)
- Support with economy, prognosis 2022, budget 2023
- The department head role
- Communication plan
- Results from the PhD councils’ evaluation and actions, results from Pulsmätning and actions.
- Responsible internationalisation.
Reminders

• EECS is looking for a new head of faculty renewal (FFA). The deadline for sending in an application is 30 April. If you have any questions about the role, contact Lars Nordström.

• EECS will have a summer party on the 8 June! All school staff is invited. Focus will be on our various centres. There will be good food, posters, presentations, music and maybe also some dancing. More information to come!
An update from 1\textsuperscript{st} and 2\textsuperscript{nd} Cycle Education

Admission to EECS master’s programmes

Markus Hidell, Acting Director of First and Second Cycle Education
EECS master’s programmes—local admission

Electrical Engineering
- Electromagnetism, Fusion and Space Engineering
- Electric Power Engineering
- Nanotechnology
- Information and Network Engineering
- Embedded Systems
- Systems, Control, and Robotics
- ICT Innovation
- Communication Systems

Computer Science
- Computer Science
- Software Engineering of Distributed Systems
- Interactive Media Technology
- Machine Learning
- Cybersecurity
Admission to MSc is a timely matter

- Screening of international applicants and admission to our master's programmes
  - Over 4700 first-hand applicants to EECS 2023, over 1/3 of KTH's total number
  - Hard work by programme directors to evaluate and set merit scores

- Presidents decision "Economy in balance" as of 7 February 2023
  - Suggest how to reduce premises costs
  - Investigate possibilities to increase admission numbers

- Criteria for a responsible increase in number of admitted students
  - Maintain quality of the applicants we admit
  - Maintain quality of the education we deliver to the admitted students
  - Dialogue between GA, program directors and directors of studies
## EECS admission numbers 2023

<table>
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<tr>
<th>Program</th>
<th>Admitted 2022</th>
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<td>NON-FEE</td>
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<td>TCSCM MSc Computer science</td>
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<td>TCYSM MSc Cybersecurity</td>
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<td>TEBSM MSc Embedded systems</td>
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<td>TEFRM MSc Electromagnetism, fusion and space engineering</td>
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<td>TELPM MSc Electric power engineering</td>
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<td>TIMTM MSc Interactive media technology</td>
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<td>24</td>
<td>60</td>
<td>25</td>
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<td>TINNM MSc Information and network engineering</td>
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<td>7</td>
<td>48</td>
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<td>TIVNM MSc ICT Innovation</td>
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<td>10</td>
<td>17</td>
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<td>TMAIM MSc Machine learning</td>
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<td>43</td>
<td>34</td>
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<tr>
<td>TNTEM MSc Nanotechnology</td>
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<td>14</td>
<td>50</td>
<td>14</td>
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<tr>
<td>TSCRM MSc System, control and robotics</td>
<td>21</td>
<td>15</td>
<td>38</td>
<td>15</td>
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<tr>
<td>TSEDM MSc Software engineering of distributed systems</td>
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<td>26</td>
<td>25</td>
<td>43</td>
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<td><strong>Total</strong></td>
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<td><strong>232</strong></td>
<td><strong>571</strong></td>
<td><strong>259</strong></td>
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</table>

Increase in admission numbers (FEE+NON-FEE): ~10%

Note: Number of registered students much lower: 40-45% of admitted
Department of Electrical Engineering

Overview of some KTH research centres and facilities

Carl-Mikael Zetterling
Electrum Laboratory, part of Myfab

Processes for many applications
Circuits and discrete devices:
- Electronics and Microsystems in silicon
- Optoelectronics in III-V materials
- High power and High temperature in silicon carbide.

Research and development
Inventing and manufacturing of novel devices
Network of researchers and entrepreneurs

Small scale production
Incubator for start-up and spin-off companies

Education
Advanced graduate and undergraduate courses.

ISO 9001 certified management system:
- controlled processes and tool uptime
- calibrated characterization tools

Contact: Nils Nordell, nordell@kth.se
Electrum Innovation Environment

In average one new company per year, since 1997 – started or moved in

In total (2021):
> 150 M€ turnover
> 500 employees
Semiconductor landscape around KTH

School of Engineering Sciences

School of Electrical Engineering and Computer Science

- Scaled CMOS
- Electronics for harsh environment
- Photonics
- High power devices
- MEMS systems
- Photovoltaics
- Sensors
- Biotechnology
- Materials: III-V, Si, Ge, SiC, 2D
- Hardware design (Analog and Digital)
- Hardware security
- Embedded Systems
- Software
- Quantum technologies
- Neuromorphic computing

Contact: Per-Erik Hellström

Ericsson, SAAB, Sandvik, Silex, Myfab, Swedish Universities, academia in EU...
KTH Space Center (SCI)

- KTH Space Center coordinates and promotes space-related activity at several KTH departments from all five schools, with an overarching objective of establishing KTH as a "Space University" and a hub for Swedish space research and technology.

- Monthly seminars, hybrid, next is 4/4 in D2

- Space Rendezvous every semester, in Kista 27/4

- Sign up for the mailing list

- Also organizes KTH Space Technology Laboratory: Thermal vacuum chamber (+/- 150°C), climate chamber, vibration and shock tables
ESA JUICE satellite mission to explore Jupiter system
Space and Plasma physics division is part of the team

- ESA (European Space Agency) plans to launch JUICE on 13th April with its arrival to the Jupiter system in 2031.
- Jupiter is the largest planet in the solar system with 92 moons and counting. JUICE will be the first mission launched that is fully dedicated to exploring the Jupiter system and will be the first mission ever to orbit a planetary moon – Ganymede.
- Sweden is a major contributor and KTH Division of Space and Plasma physics provides thermal modelling, ground hardware and ground calibration to the Radio and Plasma Wave Investigation (RPWI) instrument.
- Lorenz Roth (KTH) will be at the spacecraft operation center in Darmstadt during the launch and report directly.
- KTH Space Center seminar on JUICE 4th April 15:15 in D2 and zoom. Jan-Erik Wahlund, IRF, Uppsala

Ariane 5

Thermal modelling

Ground calibration

Lars Bylander

JUICE assembly for launch.
Space Rendezvous comes to Kista
- how to successfully launch new Swedish space companies into orbit?

Time: Thursday, April 27, 13:00 – 17:00
Place: Electrum, Sal A and Zoom

KTH Space Center invites to
- Seminars
- Fika with Cake
- **Guided tours of the Electrum Laboratory**
- Exhibition
- Panel discussion
- Space pub
Anette Arling, Finance

EECS’ budget 2023
# EECS budget 2023

<table>
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<tr>
<th>SEK thousand</th>
<th>Budget 2022</th>
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Revenue and costs
Anna Kiefer, Digital Futures

Cross-disciplinary research environment – with a vision to shape a sustainable society through digital transformation
Join us for presentations on research projects, partner presentations and panel discussions!

Themes:
• 6G – Communication, Sensing, Computing
• Safe and Smart Power Systems
• Trustworthy Software and Systems
• AI for Environment
• Smart Mobility
• Digitalized Built Environment
• Transforming Education
• Social AI
• Digitalized Medicine
• Digitalized Health Care
• AI for Biology
• Robots and People
Digital Futures partnership programme

- The formation of an eco-system through which partners identify cutting-edge challenges, strategies and approaches.

- Strategic funding of joint research activities addressing upcoming challenges in industrial and/or societal settings.

- The further strengthening of the Stockholm region, as world-leading innovation hub in digital transformation.

- The strengthening of partners through continuous exchange with ongoing research activities within Digital Futures.
Summer Research Internship Programme

8-week internship for bachelor and master students to conduct research under the guidance of Digital Futures Faculty.
Day 1  
Tuesday 17 Oct  
Future Digileaders  
Hybrid  
Participation by registration / or application  
Chair: Qianwen Xu, KTH

Day 2  
Wednesday  
18 Oct  
Digitalize in Sthlm 2023  
Hybrid  
On-line + In-person program  
Program Chairs: Aristides Gionis, KTH and Airi Lampinen, SU

Day 3  
Thursday 19 Oct  
Digitalize in Sthlm 2023  
Hybrid  
On-line + In-person program  
Program Chairs: Aristides Gionis, KTH and Airi Lampinen, SU

Day 4  
Friday 20 Oct  
Sthlm Talents  
Hybrid & Onsite  
Participation by registration
Stay tuned…

- Newsletter: [https://www.digitalfutures.kth.se/newsletter/](https://www.digitalfutures.kth.se/newsletter/)
- Seminar invitations: [https://www.digitalfutures.kth.se/events/](https://www.digitalfutures.kth.se/events/)
Emanuel Borg, doctoral education support
Doctoral education support

Admission

- Doctoral programmes
- Individual study plan (ISP)

Courses

- Ladok certificates

Thesis

Public defence of doctoral thesis

Licentiate seminar

Links and resources

FAQ

Contact

Doctoral education support

These pages contain helpful information on third-cycle education for supervisors, doctoral students and teachers at the School of Electrical Engineering and Computer Science (EECS).

Starting studies

- Admission
- Doctoral programmes
- Individual study plan (ISP)
- Courses
- Ladok certificates

During studies

- Courses (doctoral students)
- Courses (teachers)
- Thesis defenses
- Theses

Finalising studies

- Thesis defenses
- Licentiate theses
- Licentiate seminars

Useful links

- Links and resources
- FAQ

General information

- FAQ

Find us

- Contact
HR

The employee survey, how to report unwelcome behaviour, and registering next of kin
Summary KTH Employee survey – EECS results

* Available after the next occasion
** Compared to KTH Kungliga Tekniska Högskolan

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<th>Pulse index</th>
<th>Driver</th>
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<th>Benchmark**</th>
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Response rate: 53 % (434 of 820)
Results

- Similar results between departments and divisions
- Enthusiasm and development
- Workload/balance
- Where to turn when you experience discrimination, harassment or other unwelcome behaviour

What next?

- Discussion and activities in each division and on school management level
- Next survey 9 May – theme: organisation and leadership
Where to turn for support

For employees

• Your manager, supervisor or HR
• EECS contact persons (HR): Felicia Gustafsson, Anna Mård, Maria Engman
• Safety representatives (Skyddsombud)
• Occupational Health care (Avonova)

For students

• EECS contact person (Student Affairs): Sofia Norlander
• Student Health Services (Studenthälsan)
• Student Union THS – student head of educational affairs
• Student web – form - make a complaint/ report (anonymous complaint possible)
How to find information – EECS intranet

Contacts EECS

Here you can find contact information for all employees by the function or unit they belong to.

Not sure who to contact?

If you are looking for an answer or assistance in handling an issue, you can contact the School’s Service Centre. They will help to connect you to the right person.

Contact the Service Centre

Reporting discrimination or harassment

- Reporting discrimination or harassment

Discrimination, harassment, sexual harassment and victimization

KTH’s core values are based on democracy, the equal value of human beings, human rights and freedom and free and open discussion. Equality between men and women and the dissociation from all forms of discrimination are both an issue of quality and a natural part of KTH’s core values. Equality and diversity among employees and students also represent important resources for KTH.

If you need support when you feel that you have been discriminated, harassed, sexually harassed or been exposed to victimization you can turn to your immediate manager or to the EECS contact person to whom you can find contact information to in the bottom of the page.

How to make a report

The first step is to talk to the person you turn to for support, to give your version of event and then together discuss how to proceed. As regards to a complaint to KTH, there are no special formalities. A complaint may be in spoken or written form.

You can also contact a counsellor at the occupational health care, your trade union representative or one of the EECS safety representatives.

You may find more information about investigation, measure and reporting on KTH central administration’s internal pages.
How to find information – "My employment"

KTH Intranet

My employment
- Conditions of employment
- Work environment at KTH
- Staff training and Development
- Vacancies at KTH Royal Institute of Technology
- New to KTH
- Holidays and leave of absence
- Staff cooperation
- Equality, Gender and diversity
  - When being discriminated or harassed
- KTH Business travel

New to KTH
A guide to your new workplace

..or

Google search for "Discrimination, harassment, sexual harassment and...
If you need support when you feel that you have been discriminated, harassed, sexually harassed or been exposed to victimization you can turn to your immediate...

Discrimination support and complaint - KTH

https://www.kth.se/stod/halsa ▶️ Översätt den här sidan

Discrimination support and complaint - KTH

https://www.kth.se/stod/halsa ▶️ Översätt den här sidan
HR: Add a next of kin in the Self-reporting System

• We encourage you to name at least one relative/next of kin who can be contacted in case of emergency

• Update information
What’s next?

• **What should we call these meetings?**
  Several suggestions submitted – vote for your favourite via pEECS

• We will share this PowerPoint after the meeting – link in Slack #eecs-general

• Next Staff meeting on 1 June in F2, KTH Campus.
Q & A