

EECS Staff meeting

12 October



Agenda

- Communication manager Sturle Hauge Simonsen hosts the meeting.
- Head of School Ann Lantz presents general news about the school's activities.
- Director of First and Second Cycle Education Markus Hidell presents the admission statistics.
- Head of Administration Joakim Palestro shares news from the University administration.
- Rossen Apostolov from BioExcel presents the centre of excellence.
- David Olgart presents Cybercampus Sverige.
- Q & A.



New employees

Administrative officers: 16

Affiliated professor: 1

Promotion to professor: 2

Lecturer (Adjunkt): 1

Docent: 1

• Summer workers: 33

Postdoc: 20

Research engineers/assistants: 38

• Researchers: 8

Doctoral students: 26

• Undergraduate assistants (Amanuens): 81



Number of hired employees: 211

- Women: 47

- Men: 158

- Other/not specified: 6



New on the job

New Head of Department at the Department of Human Centred Technology

Jarmo Laasolahti



New Head of the Division of Media technology and interaction design

Cristian Bogdan





JML group at EECS

Seminar on Accessible Digital Systems.

Jan Gulliksen, KTH EECS.

Stefan Johansson, KTH EECS and Begripsam AB.

Course on digital accessibility – create and publish content.

Link to recorded seminar and presentation



Seminar on Reasonable accommodation for people with disabilities – what does the law say?

Sabina Hellborg. Senior lecturer at Stockholm University.

For all employees at EECS

27 November, 12:00 - 13:00 at Digital Futures Osquars backe 5, floor 2 and via Zoom.



KTH – University board agenda fall 2023, updates

- Economy in balance (ongoing).
- Model for resource allocation (ongoing).
- Collegial organisation (decision in November).
- Campus review (decision in November).
- Vision and goal (decision in November).





The President and Deputy President visited the EE department on 11 October



An update from 1st and 2nd Cycle Education

New registered students to EECS programmes 2023 Markus Hidell, Director of First and Second Cycle Education



EECS programmes, fall 2023

Electrical Engineering

Computer Science

Electromagnetism, Fusion and Space Engineering

Electric Power Engineering

Nanotechnology

Information and Network Engineering

InnoEnergy (EIT)

Embedded Systems

Systems, Control, and Robotics

ICT Innovation (EIT+local)

Communication Systems

Computer Science

Software Engineering of Distributed Systems

Interactive Media Technology

Machine Learning

Cybersecurity

CELTE TIELA TIEDB CINTE TCOMK TIDAB CDATE CMETE



Registered students in EECS programmes 2023

Programme	#Students
MSc Eng Media technology	80
MSc Eng Computer science and engineering	223
MSc Eng Information and communication technology	67
MSc Eng Electrical engineering	104
BSc Eng Computer engineering	92
BSc Eng Electronics and computer engineering	43
BSc Eng Electrical engineering	60
BSc Information and communication technology	45
EECS Master's programmes	557
Total registered 2023	<mark>1271</mark>

2023-10-12



Increase in registered non-fee-paying students

President's decision "Economy in balance" as of 7 February 2023

- Investigate possibilities to increase admission numbers
- The numbers below are non-fee-paying registered students
 - Financed through governmental grants

Programme categories	#Students (estimation)
Increase in EECS MSc programmes HT22→HT23	21 (30)
Increase in EECS MSc Eng programmes HT22→HT23	22 (10)
Increase in EECS BSc Eng and BSc programmes HT22→HT23	22 (10)
Total increase non-fee paying HT22→HT23	<mark>65 (50)</mark>

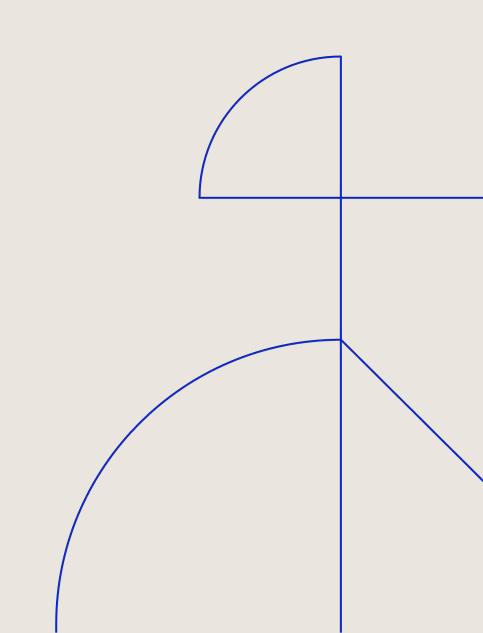
We have also increased the number of incoming exchange students with around 40

2023-10-12



University Administration 2024

Joakim Palestro, Head of Administration





What's going on

- Coordination of the faculty board meetings.
- Enhancement of the financial unit.
- Economic savings on University administration for 2024.
- Organise new service functions.
- University administration development plan for 2024.





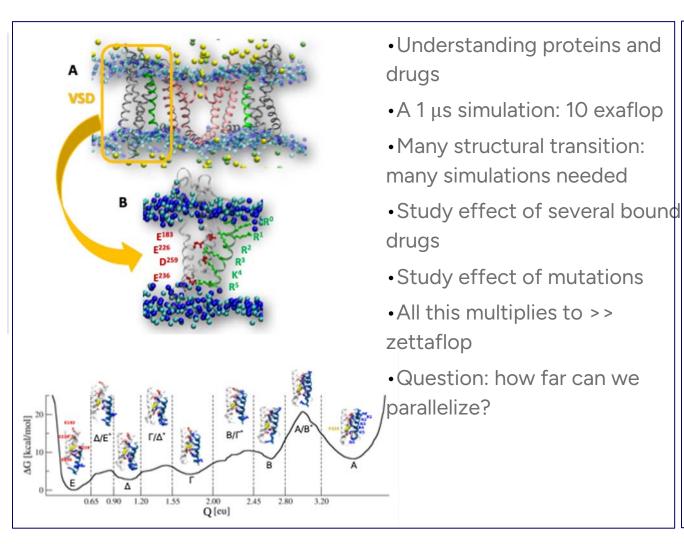
BioExcel Centre of Excellence

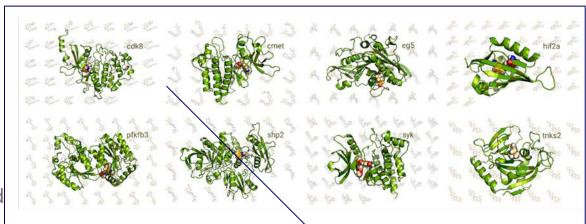
Driving Computational Biomolecular Research in Europe

Rossen Apostolov rossen@kth.se



Extreme-scale computing for Life Sciences





Large-scale free-energy-based drug screening (GROMACS & PMX)

- Transformational turnaround
 - \circ 3 months \Rightarrow 3 days
 - Rapid computational exploration
 - Connection with experiment
- Accuracy ~ 1kcal/mol leading commercial software
- 500 ligand-receptor affinities in
- 3 state of the art force fields
- Routine multi-user production use ⇒ exascale



EuroHPC Joint Undertaking





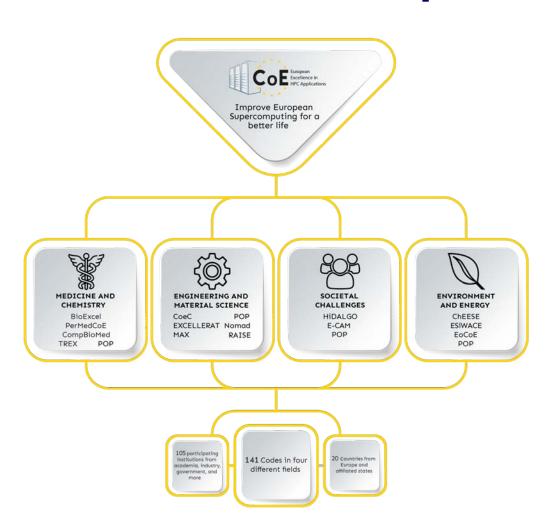








19 European Centres of Excellence





Comp Bio Med











First phase 2015-2018

Second phase 2019-2022

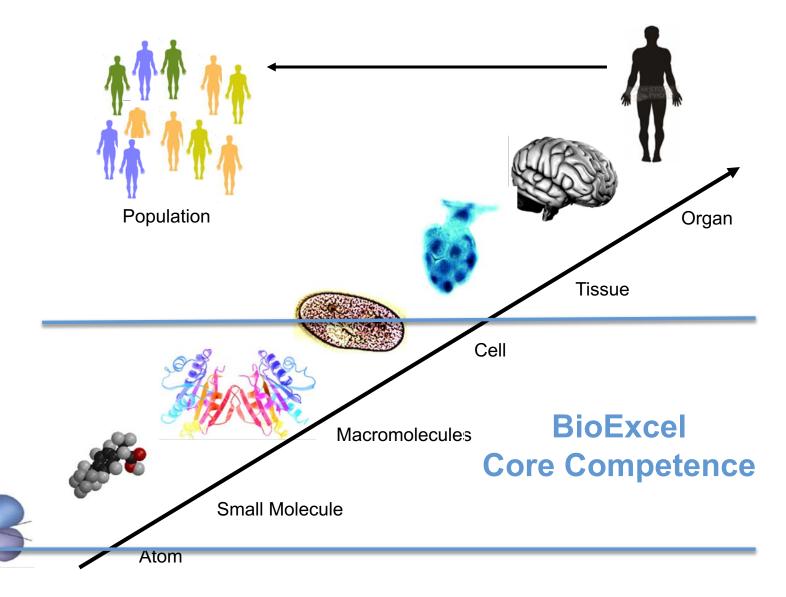
Third phase 2023-2026

BioExcel is funded by the <u>European Union Horizon 2020</u> program under grant agreements 675728 and 823830 and Horizon Europe program under grant agreement 101093290



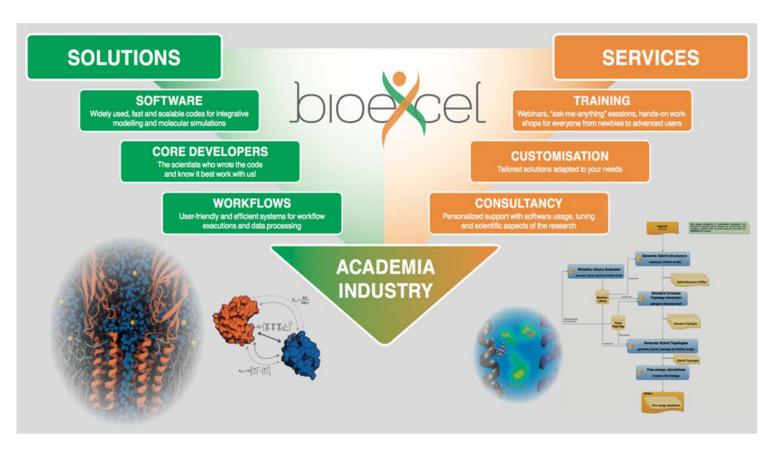
Application areas

- Drug discovery
- Lipids & Membranes
- Biomarkers
- Biomaterials
- Biophysics
- Biochemistry
- Genomics
- Neuroscience





Mission of the centre



- Provide Life Science researchers with high-quality, user-friendly software
- Increase their expertise and skills
- Strengthen the community



Why are CoEs important for EECS/KTH?

Flagship European projects with long-term prospects

Very high profile in the scientific HPC ecosystem

As coordinators, we can ensure successful implementation of the program and build trust among partners and the community

Raise the brand of KTH as a leading research and technology institution

More collaboration opportunities, more funding (public and private), stronger research and technology developments

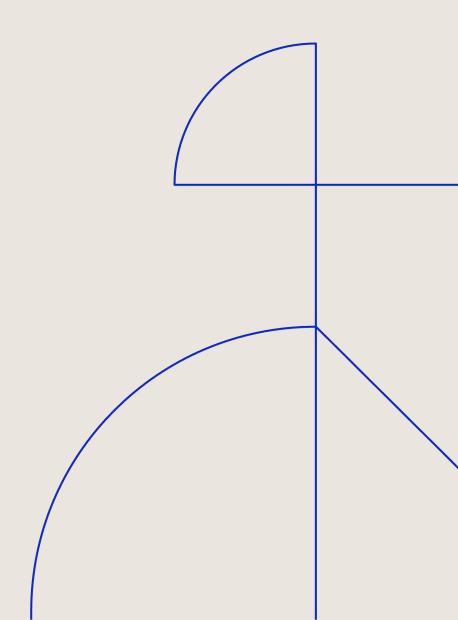


Cybercampus Sverige | Sweden

David OLGART | Director

olgart@kth.se







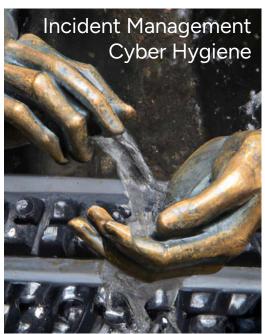
The Never-Ending Story ... Cyber Insecurity







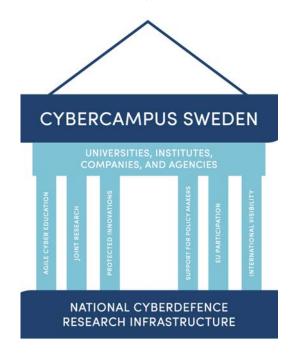














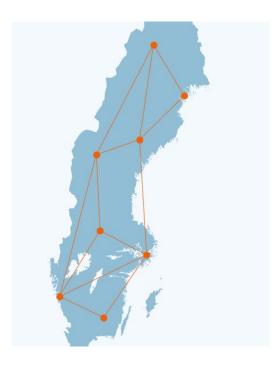
The How



Cybercampus Sverige | Sweden



The Initiative



Working Together



Process









Support

2023-10-10 25 David OLGART | Föreståndare

Mission Statement



- Carry out agile and cuttingedge cyber defence and security research, education and innovation vital for a resilient Sweden.
- Beyond what is possible for any one organization.
- Universities, institutes, authorities and industry, together.

CYBERCAMPUS SWEDEN

UNIVERSITIES, INSTITUTES, BUSINESSES and AGENCIES

JOINT RESEARCH

EU PARTICIPATION

NATIONAL RESEARCH INFRASTRUCTURE



Next meeting

11 December, Sal C, KTH Kista





Questions?

