EECS Staff meeting

11 December

Agenda

- Communication manager Sturle Hauge Simonsen hosts the meeting.
- Head of School Ann Lantz presents general news about the school's activities.
- Head of Administration, Joakim Palestro, gives an update on the University administration co-organisation.
- Professor Danica Kragic, division of Robotics, perception and learning: new ERC Synergy Grant.
- Susanna Pozzoli, vice chair for the EECS phD council: PhD survey
- Q & A.

New employees

- 16 Administrative Officers
- 33 Summer Workers
- 149 Undergraduate Assistants
- 47 Doctoral Students
- 15 Researchers
- 57 Research Engineers/research assistants
- 26 Postdocs
- 2 Lecturers
- 1 Affiliated Professor
- 1 Affiliated Faculty
- 10 Professor promotion
- 1 Assistant Professor
- 1 Docent

359 persons have been recruited to EECS during 2023.

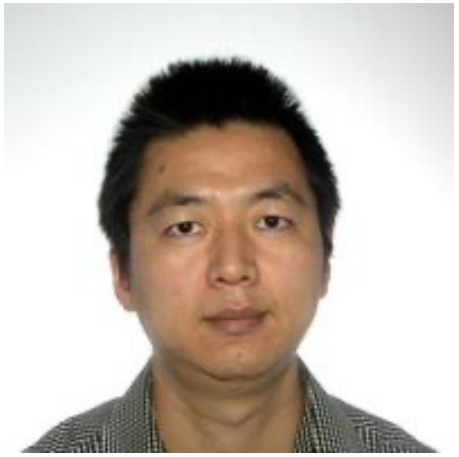
Ten promoted professors

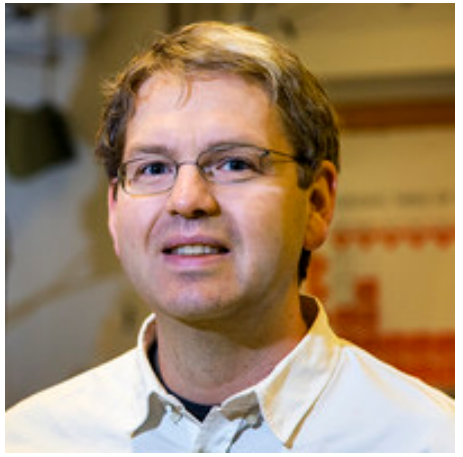
- Madeline Balaam, professor in Interaction design
- Jens Edlund, professor in Speech Communication with specialisation on Phonetically-based Interaction Analysis
- Sarunas Girdzijauskas, professor in Cloud computing
- Dillian Gurov, professor in Computer science
- Kristinn Gylfason, professor in Microsystem technology with a specialisation in photonics

Ten promoted professors, cont.

- Patrik Hilber, professor in Electrical Engineering with specialization in Reliability of Power Systems
- Daniel Månsson, professor in Smart Electricity Grids with specialization in Power Systems Components
- Christopher Peters, professor in Human Computer Interaction with focus on computer graphics
- Ragnar Thobaben, professor in Communication theory
- Ming Xiao, professor in Communication Theory with specialization in Network Coding

Yet a few applications left to be decided upon.





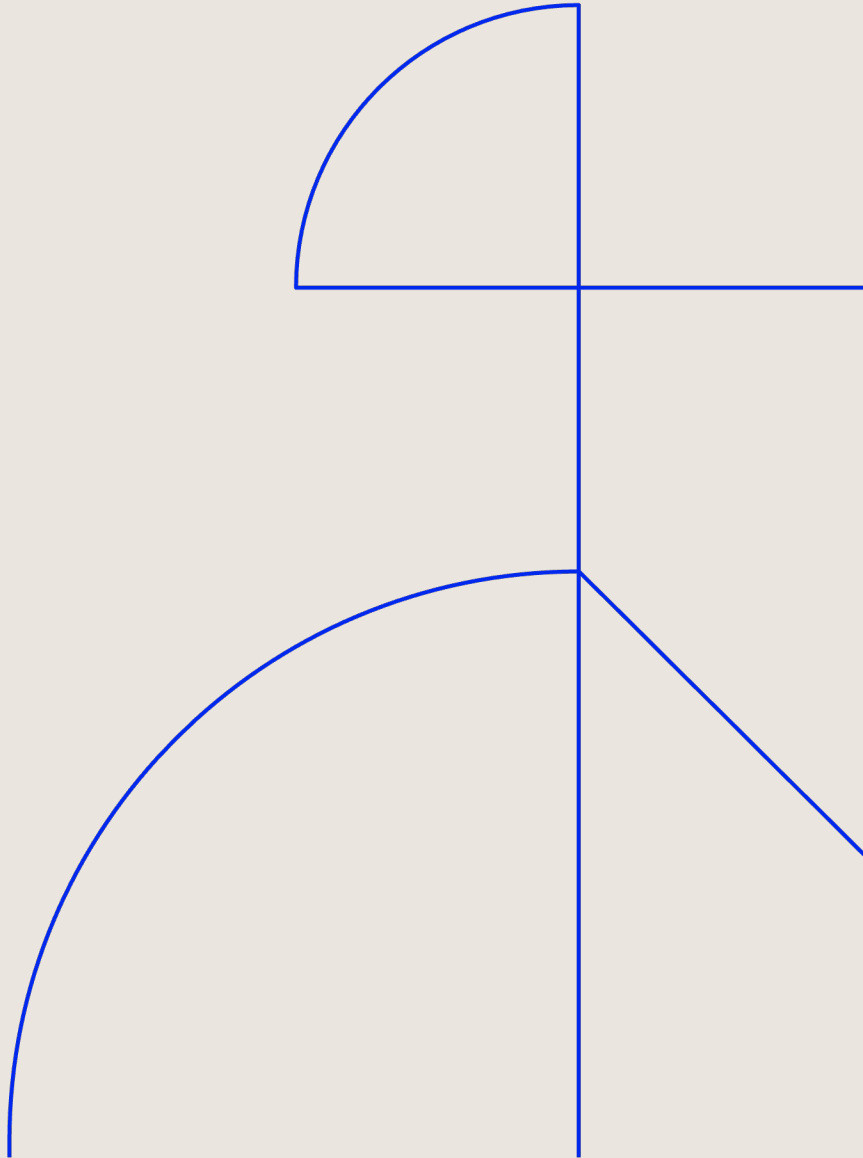
Reliable
Assets

University boards decison on Campuses at KTH

- Moving Campus Södertälje to KTH Campus and Campus Flemingsberg, moving Campus Kista to KTH Campus.
- The organisation of the work has started, and we have three main projects:
  - Project CBH – Sebastian Maier
  - Project ITM – Anna Jerbrant
  - Project EECS – Gunnar Malm
- For Electrum lab, it is stated in the decision that it is not included in the move of Campus Kista but should be investigated further.

University Administration 2024

Joakim Palestro, Head of Administration



Co-organisation of HR, Finance and Communication

- The decision is based on requirements for increased cost efficiency.
- Co-organisation to be launched 1 April 2024.
- All staff members within each area will report to respective heads of HR, Finance and Communication.
- Work management within HR, Finance and Communication aims to meet the institutions' daily and long-term needs for operational support. There may be variations in how the organisation is carried out.
- The co-organisation includes a comprehensive overview of staffing in the three areas and thus facilitates skills supply and recruitment.
- The change will help heads of departments within operational support to take overall responsibility for the tasks that already follow from work and delegation regulations.

How will work proceed until 1 April 2024?

- In early January 2024, the University Director will decide on the further development of the support through a supplementary programme directive:
- In dialogue with school management and departments, in-depth analyses and surveys of HR, Finance and Communication needs will be carried out.
- A description of how other operational support within each school department can be designed in a uniform and accessible way will be produced.
- A model for common principles for the financing of operational support will be prepared for the University Board's decision on the framework budget in June 2024.
- The ongoing development of the operational support's various support areas within the framework of the joint and coordinated operational support programme shall otherwise continue according to plan and run until September 2026.

Faculty board and school management support

- The establishment of Faculty boards per 1 January 2024 will require school-wide processes to prepare cases to be decided by either the Faculty board or line managers.
- Establishing management support linked to each school aims to ensure uniform, equivalent and accessible support functions for the school's and departments' management functions and the faculty board.
- The support will include KTH-wide processes, structures, routines, preparation schemes and decision-making documents, which, among other things, provide less personal and organisational dependence.
- Uniform and equivalent management support means that employees with similar functions can replace each other to a greater extent. It also facilitates the exchange of experience, development and competence development.
- Responsibility for issues related to employment and promotion will not be transferred to the faculty boards until 1 July 2024.

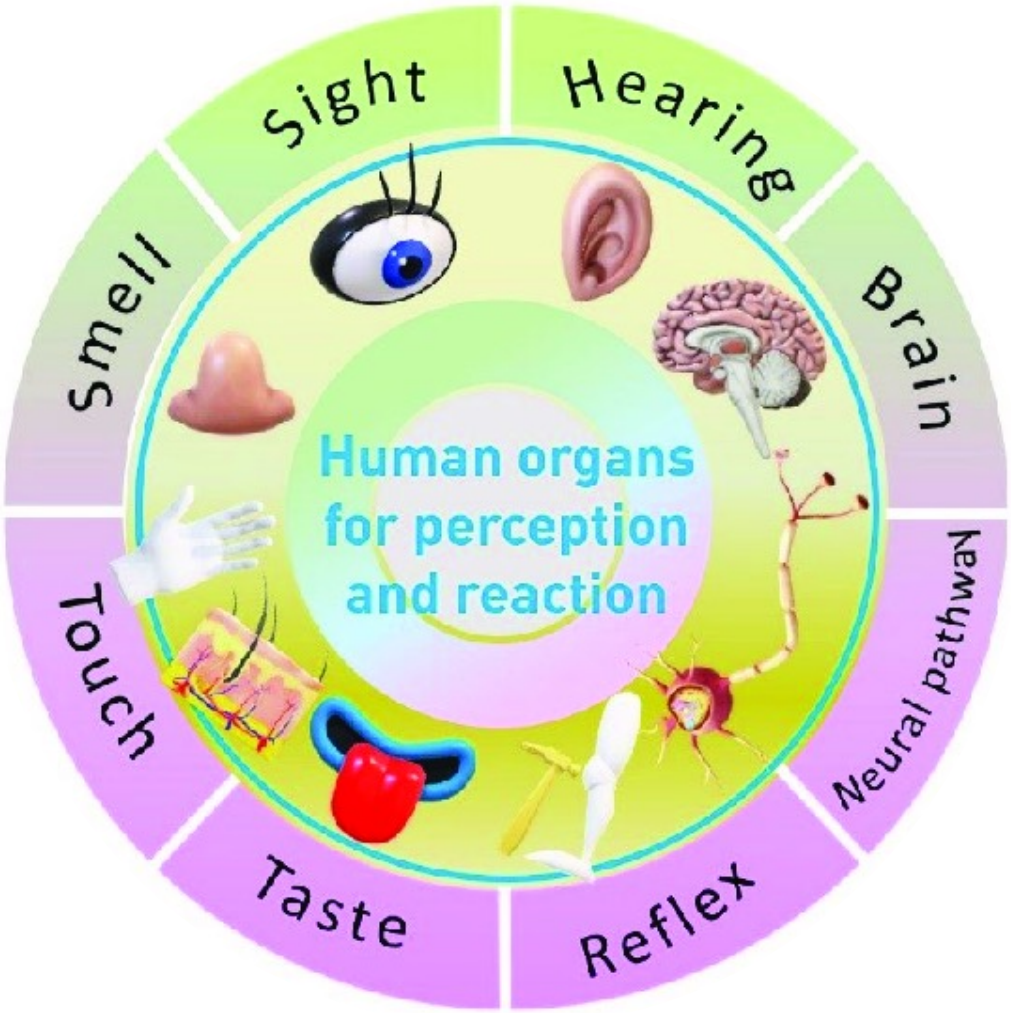
Danica Kragic

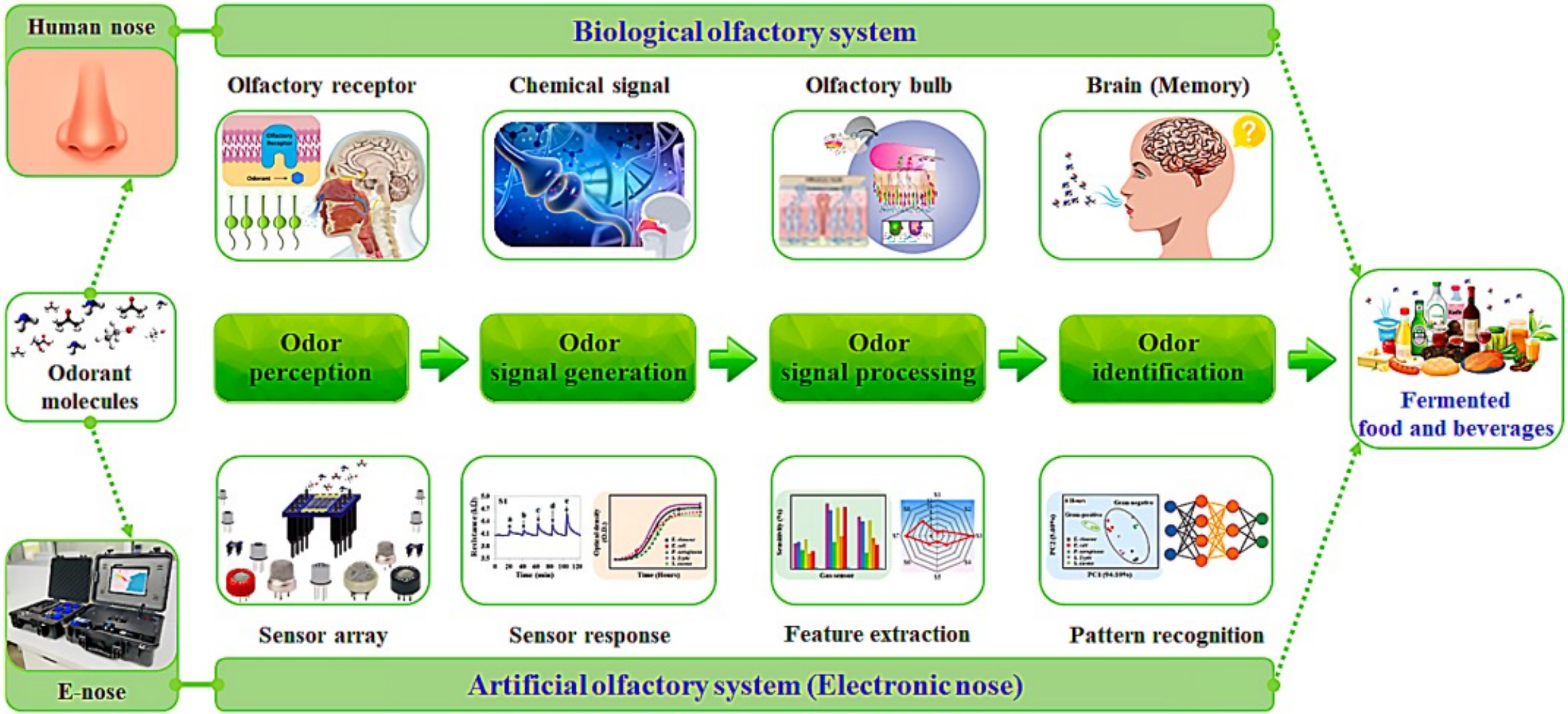
DigiSmell

Digitizing Smell: From SmelloVision to TeleSmell

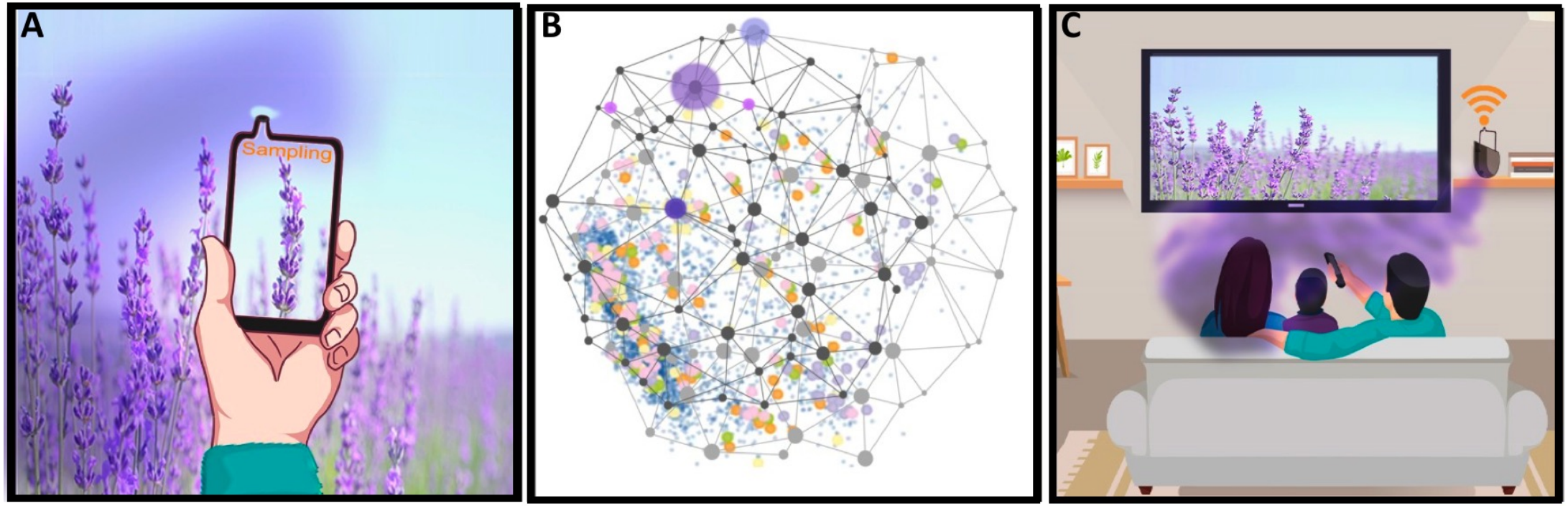
ERC Synergy Grant

- Noam Sobel (cPI) The Weizmann Institute of Science (cHI)
- Jonathan Williams - Max Planck Institute for Chemistry
- Johan Lundstrom - Karolinska Institute
- Danica Kragic - KTH


Sight
Hearing
Smell
Brain
Human organs
for perception
and reaction
Touch
Neural pathway
Taste
Reflex

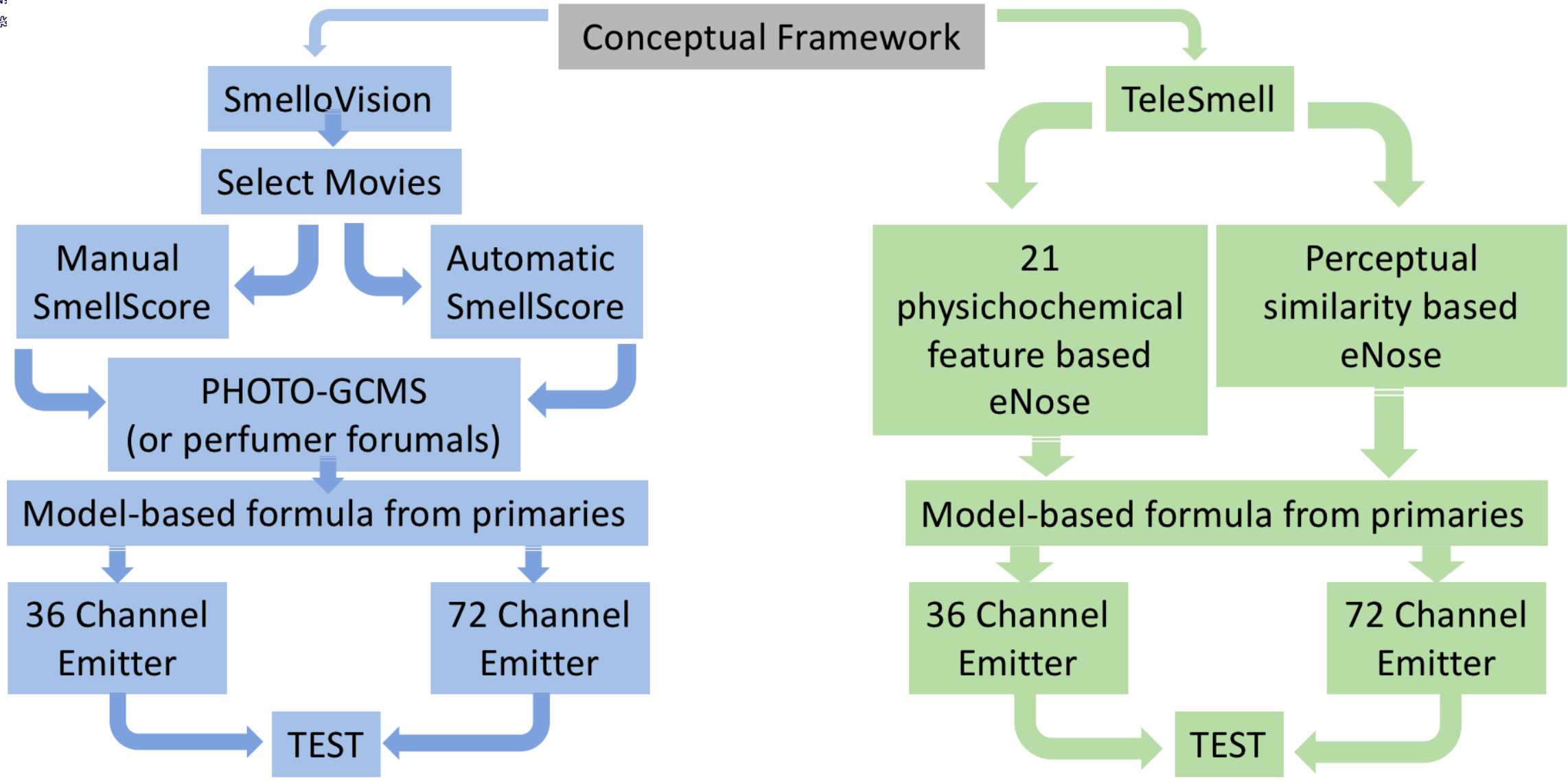

Human nose
Biological olfactory system
Olfactory receptor
Chemical signal
Olfactory bulb
Brain (Memory)
Odorant molecules
Odor perception
Odor signal generation
Odor signal processing
Odor identification
Fermented food and beverages
Sensor array
Sensor response
Feature extraction
Pattern recognition
E-nose
Artificial olfactory system (Electronic nose)

The conceptual framework of TeleSmell



A. A device senses odour in the environment.
B. A computational framework allows placing the sensed information within an olfactory physicochemical space.
C. A remote device emits the same odour sensed by the sensing device

A
B
C
D
E
F
Came
Cam
0.1
ppbRAE 3000
RAE


Conceptual Framework
SmelloVision
Select Movies
Manual SmellScore
Automatic SmellScore
PHOTO-GCMS (or perfumer forumals)
Model-based formula from primaries
36 Channel Emitter
72 Channel Emitter
TEST
TeleSmell
21 physichochemical feature based eNose
Perceptual similarity based eNose
Model-based formula from primaries
36 Channel Emitter
72 Channel Emitter
TEST

Tips and Tricks

Susanna Pozzoli
Vice Chairperson 2023, Doktorandsektionen (Dr) / PhD Chapter
EECS:s Doktorandråd / EECS PhD Council

Surveys

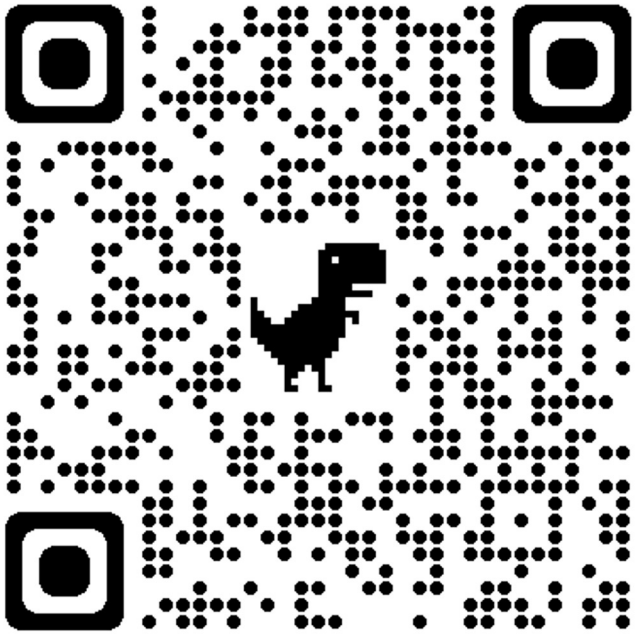
- **2022**
  - Done by the EECS PhD Council
- **2023**
  - Done by the PhD Chapter (Dr)
  - Link to the results 👉🏻

It looks like (not only) doctoral students are a little confused about a few topics...

With the expectation form (Link to KTH Intranet), the results of the surveys are a great starting point for a clarifying discussion between doctoral students and line managers/supervisors.

Good Reads

- **PHD HANDBOOK** (Link)



kuriate.com/survey.pdf

Events 🥳

Have an idea for an event? Need (financial) help organizing one?

Ph.D. students can ask the PhD Chapter (Dr) for funding for bowling 🎳, board games 🎲, movies 🍿, *etc.*

Instructions

1. Apply for funding
2. Host the event
3. Ask for reimbursement

Forms are available at dr.kth.se/funding-request/.

Learning Swedish

Courses

- **KTH Campus**
  Levels: A1–C1
  Invoice Reference: <username of line manager/supervisor> KTHEECS
  Link to kth.se
- **KTH Kista**
  Levels: A2 and B1
  Link to KTH Forms

Language Cafés

- **KTH Campus**
  When: Thursdays · 12:00–1:00pm
  Where: Newton (KTH Library)
  Link to KTH Social
- **KTH Kista**
  When: Tuesdays · 12:00–1:00pm
  Where: Amiga
  Link to KTH Social

Questions

Q: I have questions about the eISP, courses, *etc.*
A: You can find the answers to FAQs on the pages by Doctoral Education Support (Link to KTH Intranet). Otherwise, you may contact them at doctoral-education-support@eecs.kth.se.

Q: I have questions about doctoral students' rights.
A: You can ask for help to Ingrid Iliou, Ph.D. Student Advisor employed by THS.

Q: Where are upcoming events published?
A: **EECS PhD Council:** Mails
PhD Chapter (Dr): Mails and Instagram

Q: I have questions about something else.
A: You contact us at eecs-council@dr.kth.se. We redirect you.

EECS PhD Council

Questions?