



**TAL
TECH**

ESTONIAN IT COLLEGE – EFFECTIVENESS OF MERCING WITH TALLINN UNIVERSITY OF TECHNOLOGY

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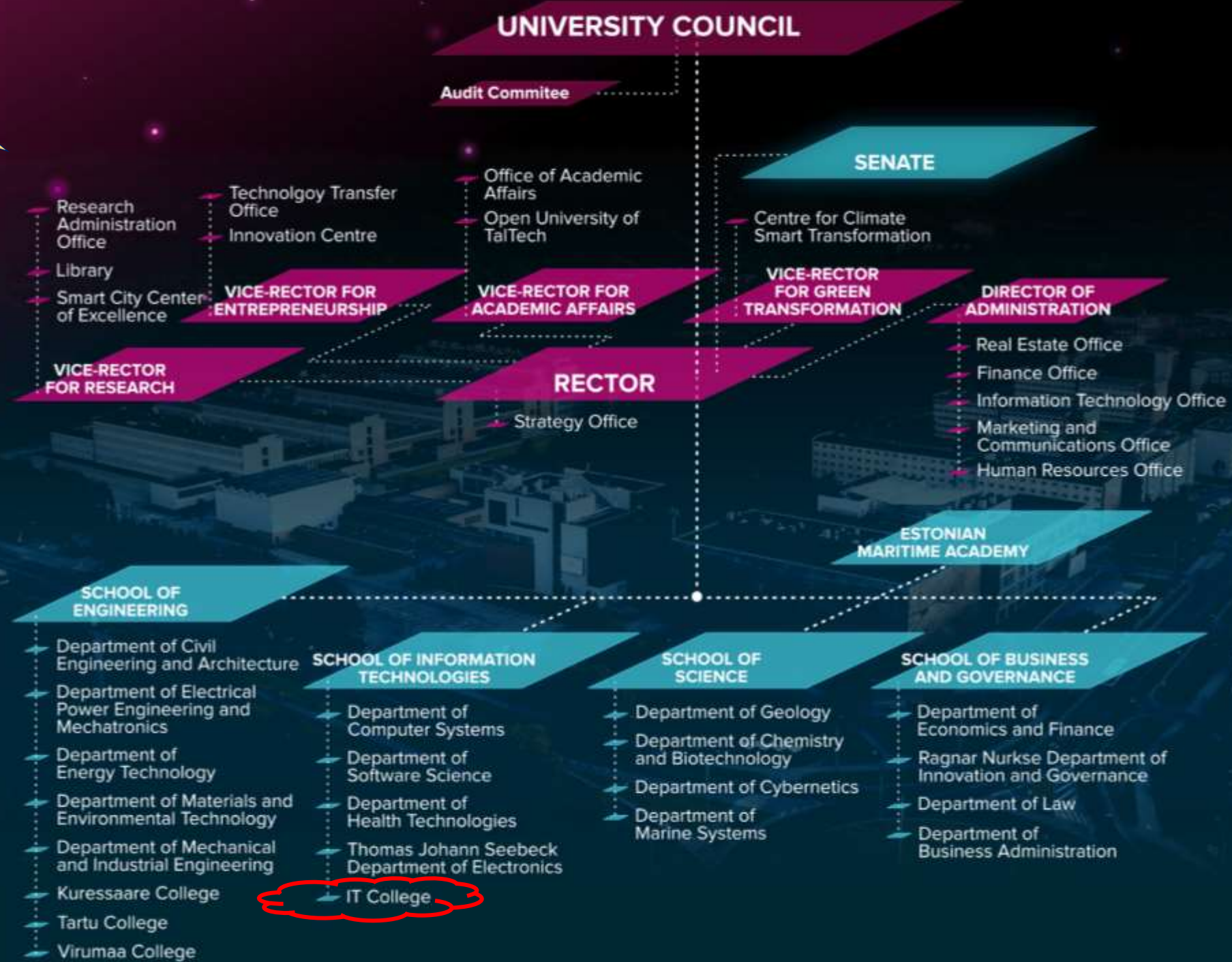
TALLINN UNIVERSITY OF TECHNOLOGY

To lead Estonia and the world into a sustainable digital future

- Founded in 1918, TalTech is the sole technological university in Estonia. It is also the most international university in Estonia. Of the nearly 10,000 enrolled students, approximately 16% come from 100 different countries across the globe.
- TalTech is a research-based university offering Bachelor's, Master's and Doctorate degrees in **technology, applied science, IT, business and maritime studies**.
- As a leader in science, technology, and innovation, the school maintains constant interaction with universities around the world, bringing together scientists, students, and entrepreneurs.



TalTech organizational chart



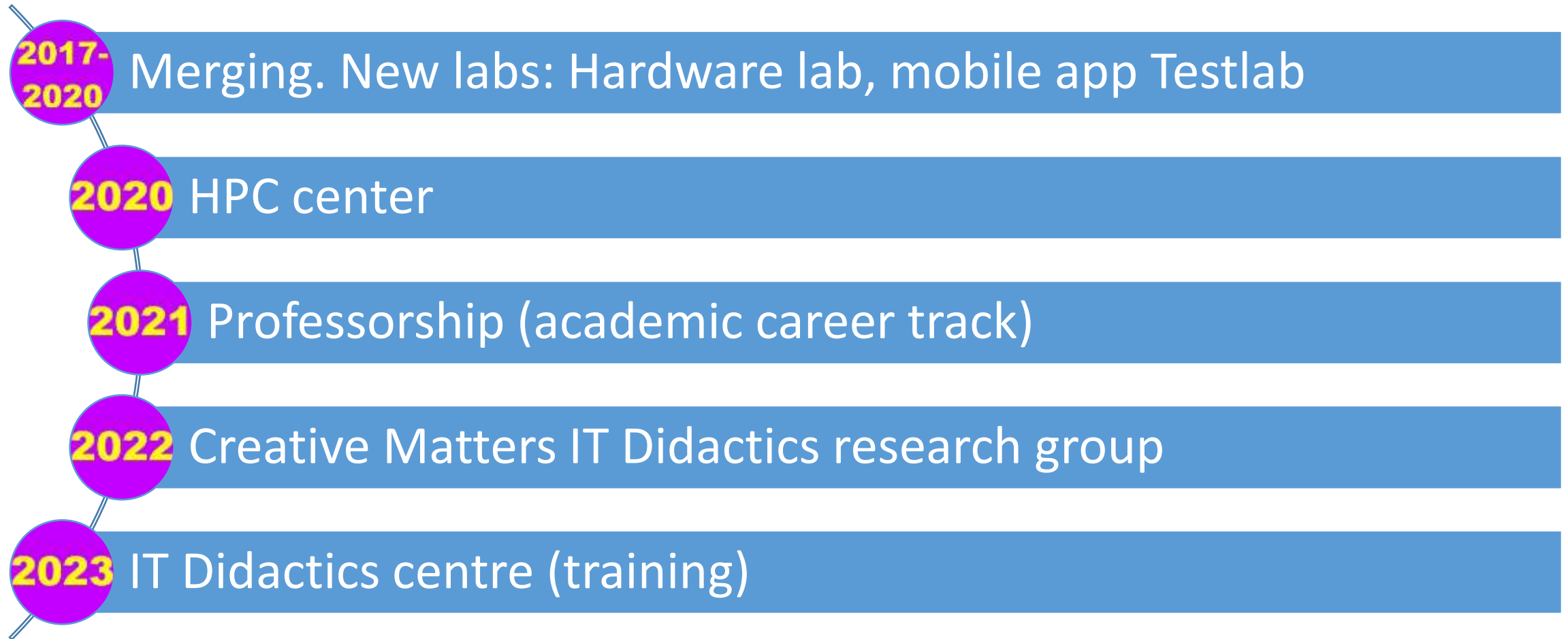
History of Estonian IT college

- **Established in 2000 as a private non-profit IT institution of applied higher education**
- Founders:
 - Estonian Ministry of Education and Research,
 - Tallinn University of Technology and Tartu University, and
 - private sector, represented by Estonian Telecom and Estonian Association of Information Technology and Telecommunication.
- **Mission (then):** The College`s mission is to offer the best applied IT education in the region, bringing together high-tech know-how and the practical needs of the information society, while being the axis of its development.
- **Merged with TalTech** School of IT in August 1st 2017
 - # of students during merge – 1040
 - 4 applied higher education study programs

What was lost. What was found

- „Own“ students
 - IT College student body
 - „Own“ applied HE study programs
 - Robotics Club
 - Own quality procedures and practices
 - Study Office
 - Networks
 - Etc.
- More students
 - Student body of School of IT
 - Bachelor study programs of School of IT
 - Other clubs
 - University procedures
 - University support structure
 - New networks
 - Etc.

Timeline of merge



Teaching and learning in IT College

Bachelor programs in School of IT and in IT College

- Informatics
- Hardware Development and Programming
- Business Information Technology
- IT System Development
- IT Systems Administration
- Cyber Security Engineering (in English)

More than 50% of bachelor students in School of IT are studying on IT College related study programs

Master programs in School of IT and in IT College

- Analysis and Design of Information Systems
- Digital Transformation in Business (one-year Master study program)
- 9 other Master programs of the School of IT
4 in English:
<https://taltech.ee/en/programmes>

About 25% of master students in School of IT are studying on IT College related study programs

Research

- Creative Matters IT Didactics research group
 - <https://cm.taltech.ee>
- Founded in April 2022
- Team:
 - Postdoctoral researcher Janika Leoste
 - Associate professors + visiting professor from Tallinn University
 - 4 PhD students
- Projects
 - University funds: PYNT (Present-Yet-Not-There) telepresence robots
 - EuroTeQ course: Enhancing Social Interaction in Education and Business by using Telepresence Robots
 - ReSTELA – remote robotics lab
 - TWINNING (new proposal)

IT didactics research focus

- Telepresence robots
 - User (student, lecturer) experience studies
 - Interaction studies
 - Various technical enhancements for better user experience
 - Expanding usage out of university (hospitals, care homes, etc)
 - Training courses for teachers
 - Popularization (STEAM)
 - Just fun: robot theatre
- Research papers



High Performance Computing Centre

- <https://taltech.ee/en/itcollege/hpc-centre>
- Compute clusters (80 compute nodes + high-end GPUs)
- 1600 TB data storage space
- Cloud Infrastructure providing Virtual Machines
- Staff: 10 persons (programmers, system administrators, DevOps engineers, researchers etc)
- Cooperation with University Tartu HPC etc.
- Cooperation with pre-exascale supercomputer LUMI, Finland (LUMI consortium)
- [Internship options](#)

Mission of IT College today

- IT College main responsibility areas are:
 - Bachelor and Master study programs and courses with applied orientation (intensive use of specialists outside of University)
 - Cisco Networking Academy
- IT didactics related R&D
 - **IT didactics research centre „Creativity Matters“** (launched in January 2022, <https://cm.taltech.ee>)
 - IT didactics related teaching staff training and networking
- School of IT study programs marketing and networking targeted to secondary schools and vocational study centers with IT specialization

IT College birthday event on 17.05.2018

IT College -
campus college



TALTECH'S ALUMNUS OF THE YEAR 2023 KRISTEL KRUUSTÜK, FOUNDER OF TESTLIO

- Graduate of Estonian IT College 2011
- Founder of Testlio (SW testing)
- TOP100 women entrepreneurs of the year 2022 of the US business magazine Inc
- Financer.ee TOP10 most influential and entrepreneurial Estonian women in 2021
- Youngest femal millionaire in Estonia
- etc



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THANKS!