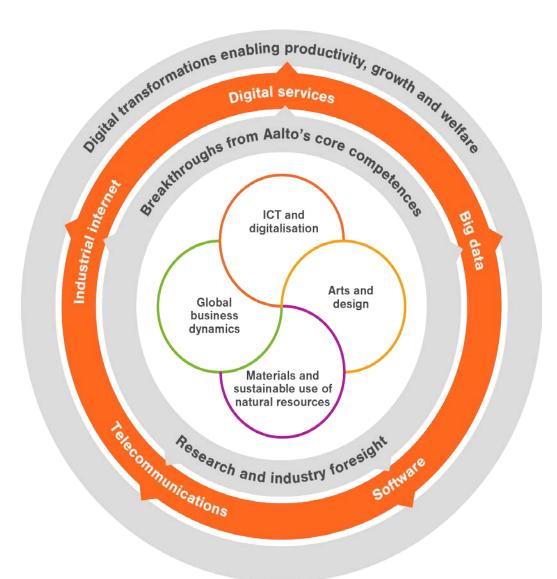


Aalto Digi Platform

Krisztina Cziner Dr. Digi Platform and Helsinki Institute for Information Technology (HIIT), Manager

Digi Platform

Chair: Yrjö Neuvo Manager: Krisztina Cziner Key research area: ICT and digitalization



Big data

- •Computational data analysis
- •Business intelligence
- •Artificial intelligence

Software

- Cyber security
- •Systems, users and business

Digital services

- •Media, games and culture
- •Learning
- Business and economy

Telecommunications

- •Cloud
- •4G and 5G

Industrial Internet

- •Robotics and automation
- Networked machines

Aalto is a Key Player in Digitalization

leading university in Finland in digitalization, in the number of students, professors, publications, and funding:

~80 professors in core Digi fields, ~80 in applications

>400 Master's degrees and ~100 Doctoral degrees each vear

100 000 study credit points each year

50 Meur competitive research funding each year

We welcome collaboration! digi@aalto.fi



Facts & Figures

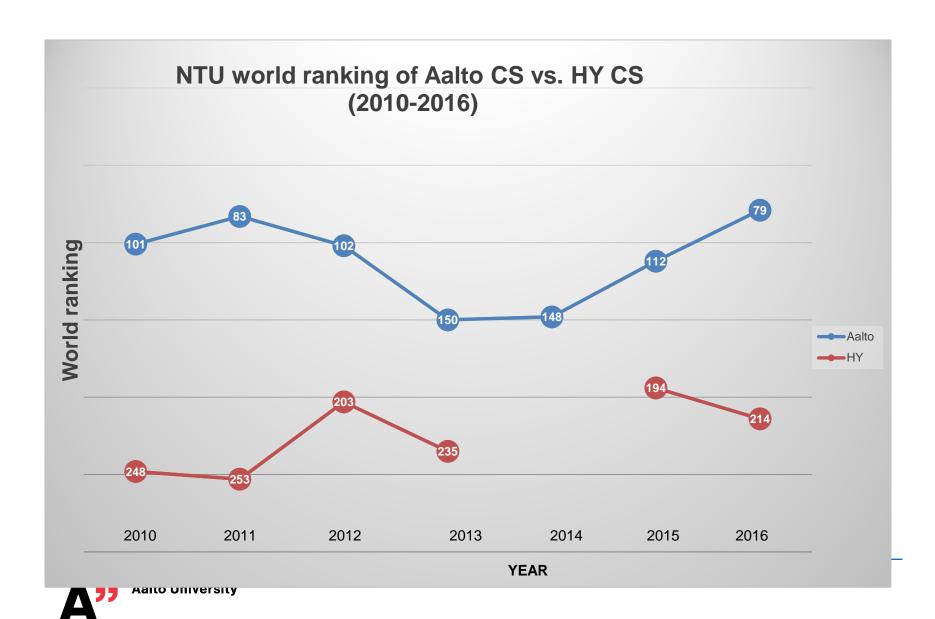


ICT ja digitalization

Ranking list	Finland	Nordic countries	Europe	World
ARWU (Shanghai) – Computer Science 2015	1	5	36-52	151-200
US News – Computer Science 2016	1	2	14	60
NTU – Computer Science 2016	1	1	13	79
QS – Computer Science and Information Systems 2016	1	2-6	32-50	101-150
CWTS Leiden Mathematics and Computer Science (number of top10% papers) 2016	1	2	20	97

Source: http://www.aalto.fi/fi/about/ranking/keyareas/





Activities of Digi Platform

Cooperation and communication: Internal and external

Digi Breakfast meetings are open, thematic and Aalto-wide e.g. Industrial Internet, E-learning, Big Data, Mobile Communications, Digital Consumer Services, Smart Campus, Cultural Heritage, Digital Health, Cyber Security

Task forces on Aalto's key digi themes

Data Repository, Industrial Internet, Cross-School teaching etc.

Research and industry foresight activities

Follow the field in general, assess future needs, provide expert opinions

Funding for public outreach activities

Studia Generalia lecture series "Internet Forum"; Digitalization of Cultural Heritage; Programming MOOC for primary school teachers

Aalto Digi Platform Matchmaking Event 23.03.2017 attracted 80 companies



Over 300 registrants, 6 keynotes, 19 demo stands, 15 posters and 10 pitch talks.

Opening words by minister of Transport and Communications Anne Berner.

Video recording of the event is available at:

https://www.youtube.com/watch?v=Zd4vQq8RBiU





Full material is available at:

http://digi.aalto.fi/en/aalto_digi_matchmaking_2017/

Main outcomes of Digi Platform

Incubated the cross-school collaboration in Internet of Things research area, and Aalto Industrial Internet Campus

Incubated and kick-started Aalto Data Repository (in progress)

Initiative to make basic programming courses mandatory for all Aalto students (in progress)

Initiated an internal mobility programme of Aalto's researchers

Seed funding of project preparation often results in large external funding



Digi research areas at Aalto University: digi.aalto.fi

Algorithms, Logic and Complexity **Computational Sciences Cyber Security Data Science Digital Health** Digital Media, Culture and Learning **Digital Services Electrical Power Engineering and Smart Grid Geoinformatics and Smart Spaces** Industrial Internet **Robotics and Automation** Micro and Nanotechnology based ICT Hardware Radio Science and Engineering **Software Engineering and Business Telecommunications**