

DIREC - indsats for øget diversitet

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Leader of DIREC workstream 12 on "Master training network"

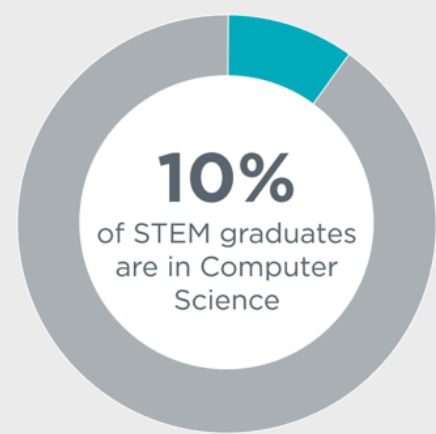
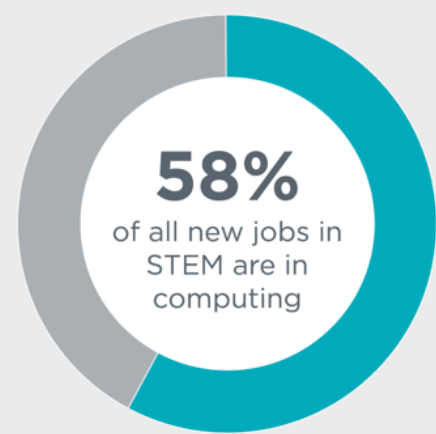
Huge demand for highly qualified IT specialists



Port udarbejdet af regeringen fastslår, at vi i fremtiden vil mangle flere end 19.000 it-specialister i Danmark. Helt præcist anslår rapporten, at der vil være mangel på 19.000 medarbejdere på området.

Onsdag, 1. juni 2016 - 7:26

The "STEM" problem is in computer science



AN AI NATION?

Harnessing the opportunity of artificial intelligence in Denmark



For at få en bedre forståelse af sammenhængen mellem uddannelse og arbejdsmarkedet har regeringen i februar 2015 et tiltag ved navn 'Virksomheders brug af IT'. Resultatet af undersøgelsen blev i går præsenteret, hvor regeringen har besluttet, at flere end tidligere vælger en længerevarende it-uddannelse for deres medarbejdere. Det skriver Berlingske Tidende.

Læs også: Dansk Industri: Mangel på it-specialister hindrer vækst

Helt præcist kommer der i 2030 kun for it-branchen selv, men manglen på kompetencer er stort set uændet. Det betyder, at Danmark vil mangle 19.000 specialister på området.

The New York Times

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When the A.I. Professor Leaves, Students Suffer, Study Says





DIREC - DIGITAL RESEARCH CENTRE DENMARK

Epicentre for accelerating research,
business and education in digital
technologies in Denmark



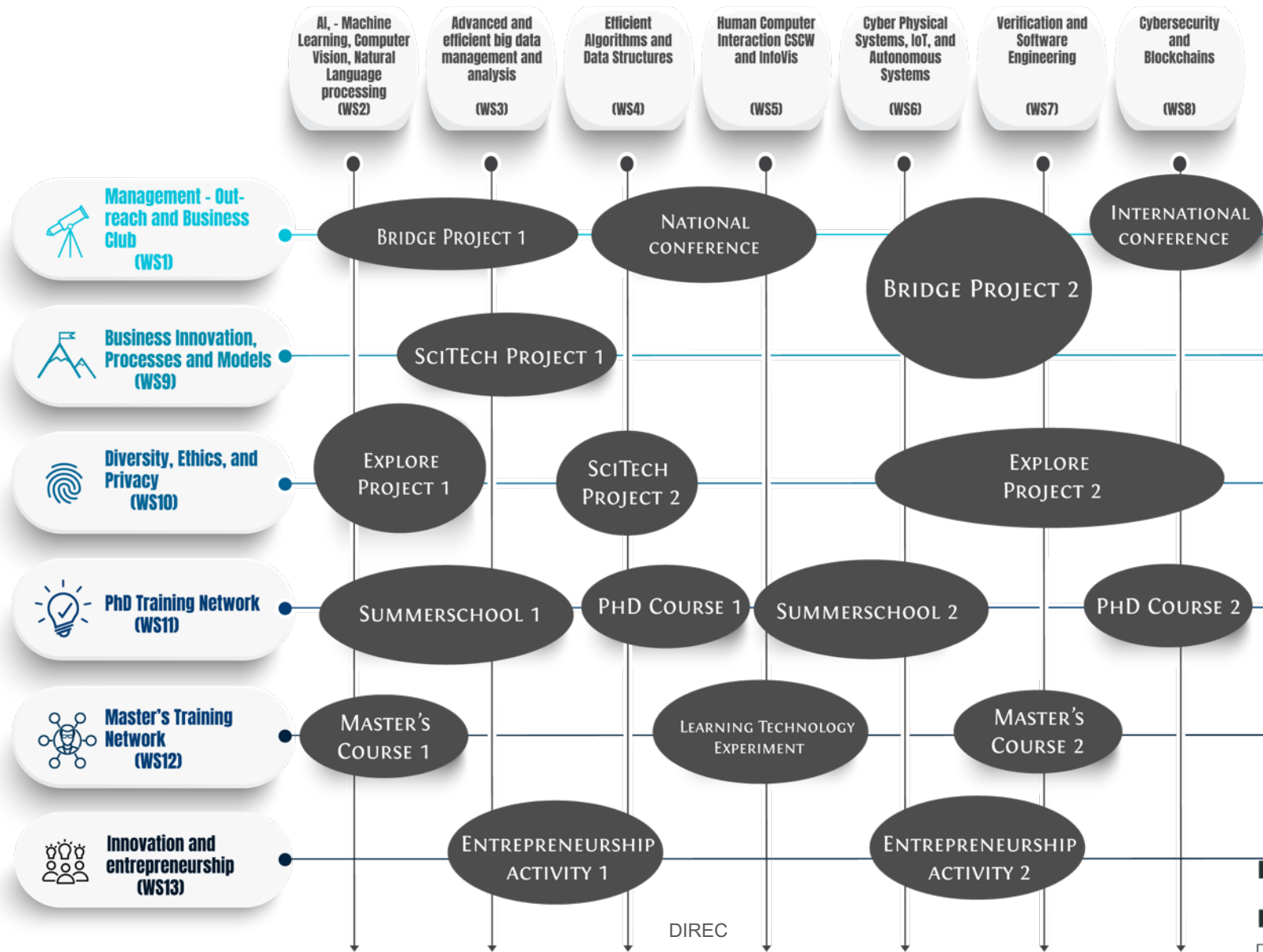
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Purpose of DIREC

- Solve the capacity issue within computer science (CS) research and education for digital technologies across the Danish universities.
- Target research and education activities towards societal challenges and value creation for both business and the public sector.
- Support the government's vision of Denmark as a digital frontrunner.
- Base DIREC on current core CS research themes and international strongholds and to stimulate emerging research themes for digital technologies.
- Expand the research and education capacity in Denmark by means of education and recruitment of excellent researchers at the highest international level.
- Transform research into digital solutions and long-term digital transformations in cooperation with businesses and the public sector.

Themes, Workstreams, and Projects



DIREC Educational Goals

- The DIREC centre will address the following objectives:

1) increase the number of master graduates

▶ *National activities on recruitment, onboarding, retention, teaching infrastructure, ...*

2) improving gender diversity

▶ *National activities on addressing diversity as part of recruitment, onboarding and retention*

3) strengthen researcher-student-industry collaboration

▶ *National initiatives on coordination of seminars/workshops and new collaboration forms among researcher-student-industry*



PROJECT TYPE: EDUCATIONAL PROJECT

Software Infrastructures for Teaching at Scale



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PROJECT TYPE: EDUCATIONAL PROJECT

Learning Technology for Improving Teaching Quality at Scale



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PROJECT TYPE: EDUCATIONAL PROJECT

Supporting Diversity via Inclusive Teaching/Learning Activities



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Supporting Diversity via Inclusive Teaching / Learning Activities

Project problems and aims: *Establish inclusive teaching/learning activities that support diversity*

Work plan (Duration: 2 years):

- *Year 1:* 2-4 partners develop new initiatives and test the initiatives at their universities. The other partners provide feedback on the initiatives and results.
- *Year 2:* The initiatives are refined based on learnings from year 1. The initiatives are tested at the other partner universities.
- *Year 3+:* The initiatives are implemented in normal teaching operation.

Next steps

- DIREC will establish a range of national educational development activities focusing on onboarding and retention at the partners over the next five years. *Teachers and head of educations at the partners within the digital area are welcome to approach us with proposals for new activities.*
- DIREC will establish new activities to improve recruitment in collaboration with relevant stakeholders.
- DIREC will collaborate with other stakeholders to disseminate outcomes from activities, e.g., IT-vest.

- Read more at direc.dk

KONTAKT

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