



**Welcome and  
Presentation of CMI**

**DDRN Public Seminar – South – North  
research cooperation at AAU CPH**

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**AALBORG UNIVERSITY  
COPENHAGEN**

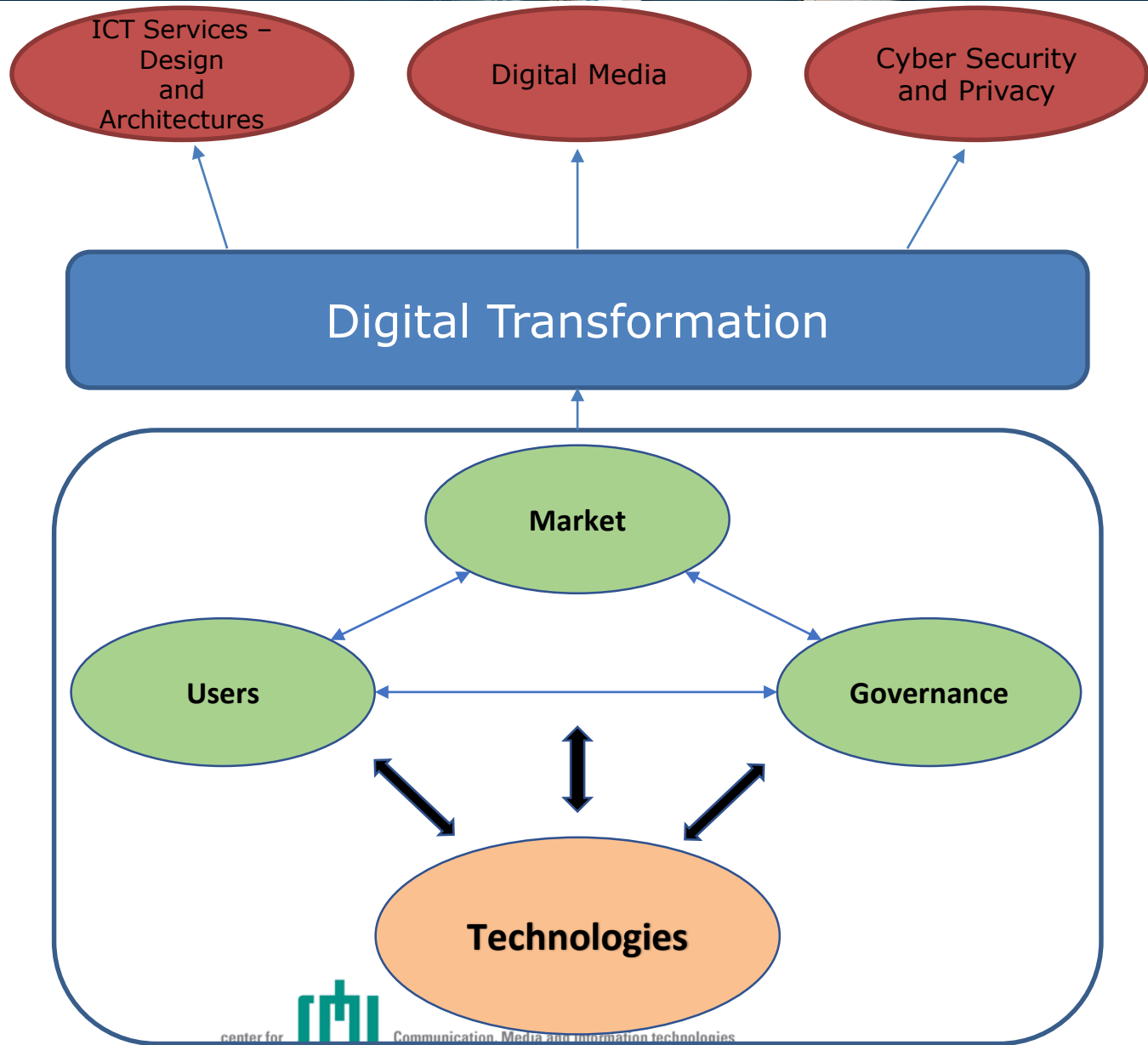
CMI is an Inter-disciplinary center under the Department of Electronic Systems at Aalborg University Copenhagen.

- Department of Electronic Systems is one of the largest departments at AAU with a total of 250+.
- The department is internationally recognized in particular for its contributions within ICT
- Research is organized in six sections:
  - Antennas, Propagation and Millimeter-wave Systems
  - Automation and Control
  - **Communication, Media and Information Technologies (CMI)**
  - Connectivity
  - Wireless Communication Networks
  - Signal and Information Processing

- We started for over 20 years ago at DTU and in the last 11 years we have been at AAU-CPH
- Located only in the Copenhagen campus of AAU
- We are currently 20+ people:
  - 12 scientific staff
  - 2 secretaries
  - A number of external lecturers
  - 10 PhD students
- CMI Competence areas
  - Engineering and Computer Science focusing on service and technology development
  - Engineering focusing on user involvement
  - Economics & Political science

- CMI engages in research and teaching in the area of ICTs, including IT, telecommunications and media/broadcast.
- CMI's research and teaching has a **technology development** as well as an **analytical** perspective.
  - Technology development activities are directed at applications and services.
  - Analytical activities are directed at the interactions between users, technology, market, policy, and organizational developments.
- CMI has a **technologically based interdisciplinary** profile

Communications Engineering  
Computer Science  
Economic and Political Science





- **ICT services and service architectures**
  - Internet of Things and Industry 4.0
  - Cloud computing and new enterprise architectures
  - Cyber security and trust
  - Identity and access management
  - “Usable privacy”, “privacy by design” and “privacy by default”
  - Content delivery, recommender systems and personalization of services
  - Mobile Media
  - Mobile and wireless systems, including sensor networks
  - User driven innovation and Interaction Design
- **ICT markets, regulation and business models**
  - Adoption and diffusion of technologies
  - Business modelling including platform models
  - Regulation including GDPR and net neutrality
  - Policies for digitalization
  - Sustainable business development (“green” ICT)
  - **ICT4development**
  - Service Science

- Internet of Things
- Cloud Computing
- E-government
- Mobile learning
- Mobile banking
- Cyber security
- Intelligent Transportation Systems (ITS) in developing countries,
- Network neutrality
- Green ICT
- Security and Identity Management
- Public Safety and Emergency - technologies and organisation
- Universal Service – A public Private Partnership approach



## Leading Idea:

- To provide a technical education combining an advanced technical understanding of software and network technologies with understanding of users, creativity, economic theory, organisational theory and management.

## Teaching/learning model:

- As all other AAU educations our teaching programs are based on Problem Based Project Organised teaching/learning model

## Educations:

- **ITCOM** – IT Communication and New Media (Bsc) – app. 120 students
- **ICTE** – Innovative Communication Technologies and Entrepreneurship (Msc) – app. 50 students
- **mICT** – master in ICT (continuing education)
- **DCLead** – Digital Communication Leadership(MSc) - European Erasmus+ - 16 students
- **PhD** – app. 10 students



# Questions / Comments?