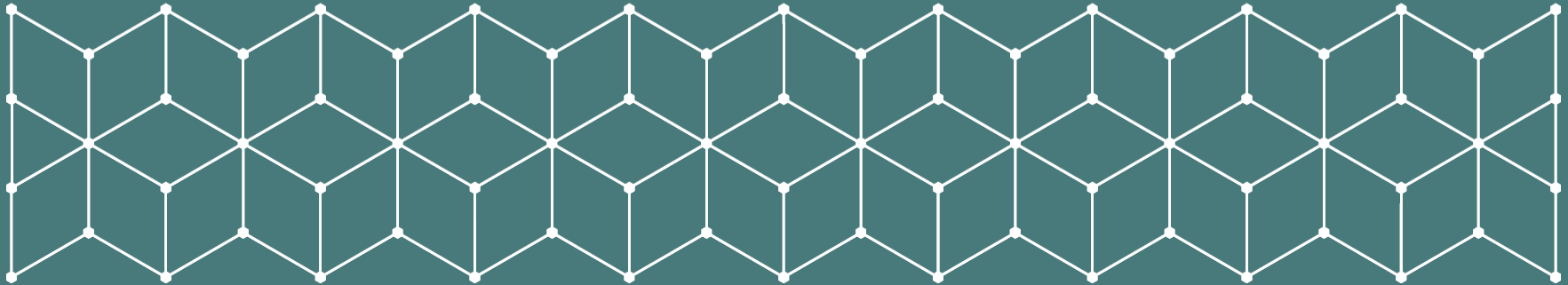


Master thesis suggestions

Cyber-physical systems



Who?



Øystein Haugen – who am I?

- Professor at HIOF (Høyskolen i Østfold) from 2015
 - Leader of Focus area Technology-Energy-Society
- Senior Researcher at SINTEF ICT in Oslo
 - part-time now, but full time 2007-2015
- Earlier worked in industrial research
 - SimTech (small start-up), ABB, Ericsson
- Earlier worked in research institutes and university
 - Norwegian Computing Center, and University of Oslo (IFI)

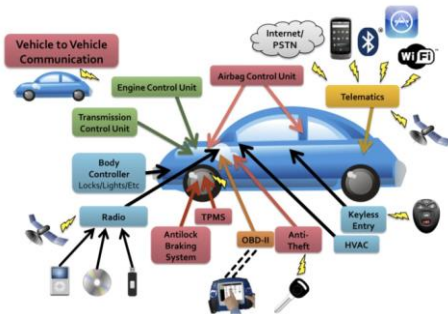
Cyber-Physical Systems



Buzzwords associated with Cyber-Physical Systems

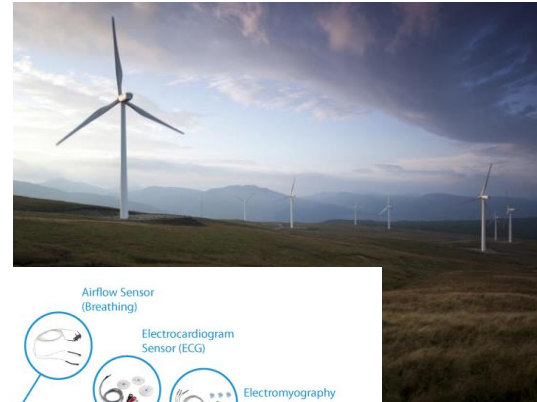
Sensors / Actuators

Automotive,
Aerospace



Big Data

Cloud Computing



Energy

A cyber-physical system (CPS) is an integration of computation with physical processes whose behavior is defined by both cyber and physical parts of the system.



Health

The context



The context of making a Master in CPS

 **Østfold University College**

Focus Area: Technology-Energy-Society



Local cloud and CPS lab



ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

ECSEL Project: Productive 4.0



Norwegian Consortium:
Unger, Prediktor, SINTEF, TellU

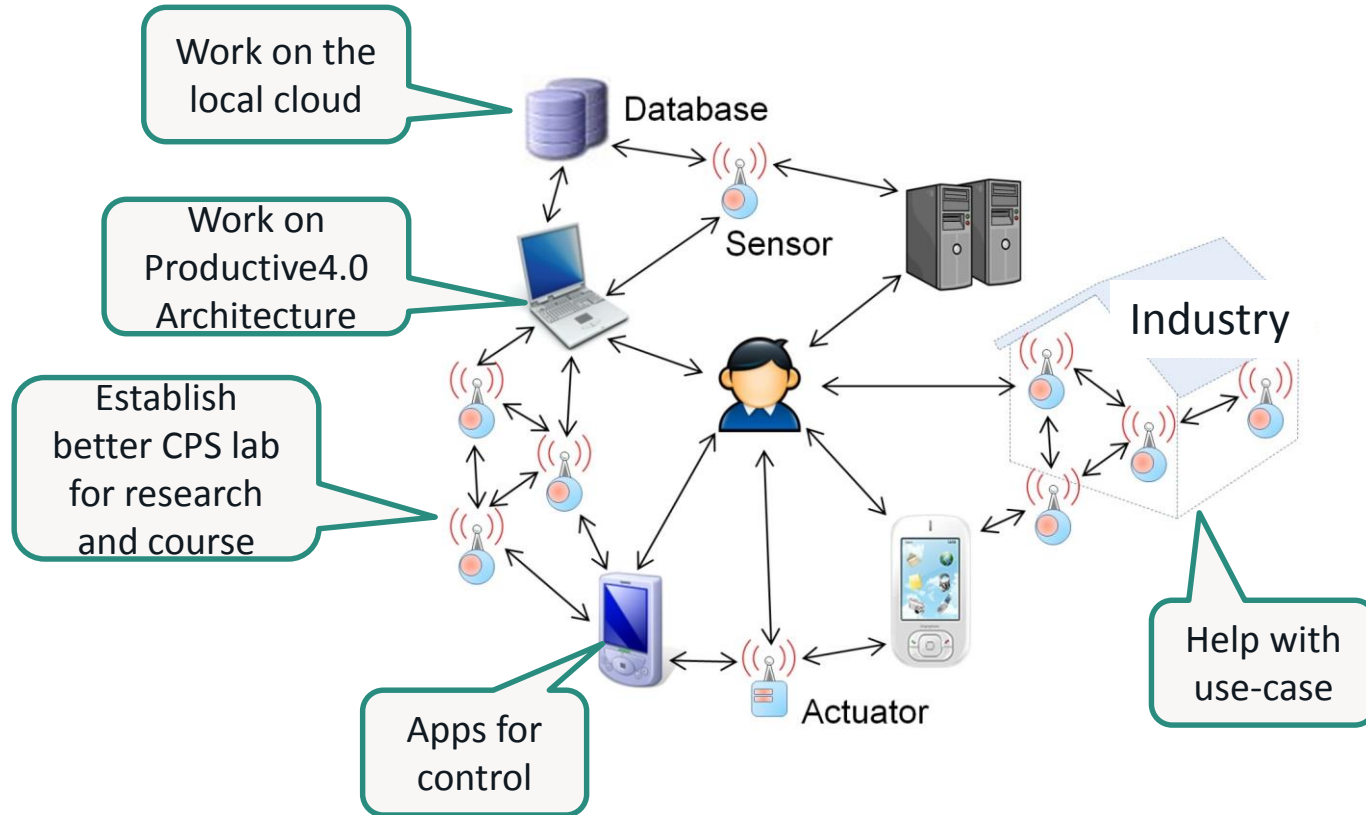


Other initiatives: Robots for industry



Industrial Production

The options of making a Master in CPS



The requirement:
My Master Students
should take my course

