

UiO : Department of Technology Systems
University of Oslo

Master projects in multiagent systems (MAS)

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Research goal of multiagent systems (MAS)

How to make computers cooperate autonomously...

- Swarm intelligence – inspired by biology
- Game theory – inspired by social sciences/humanities
- (Control theory – cybernetics)

MAS main research themes at ITS/FFI

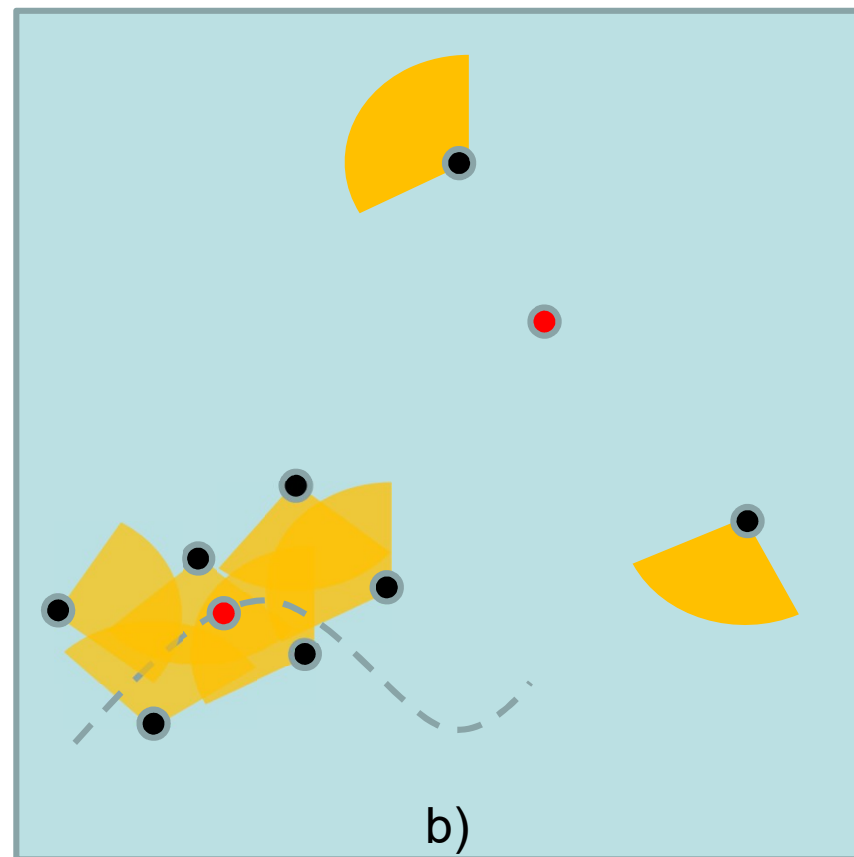
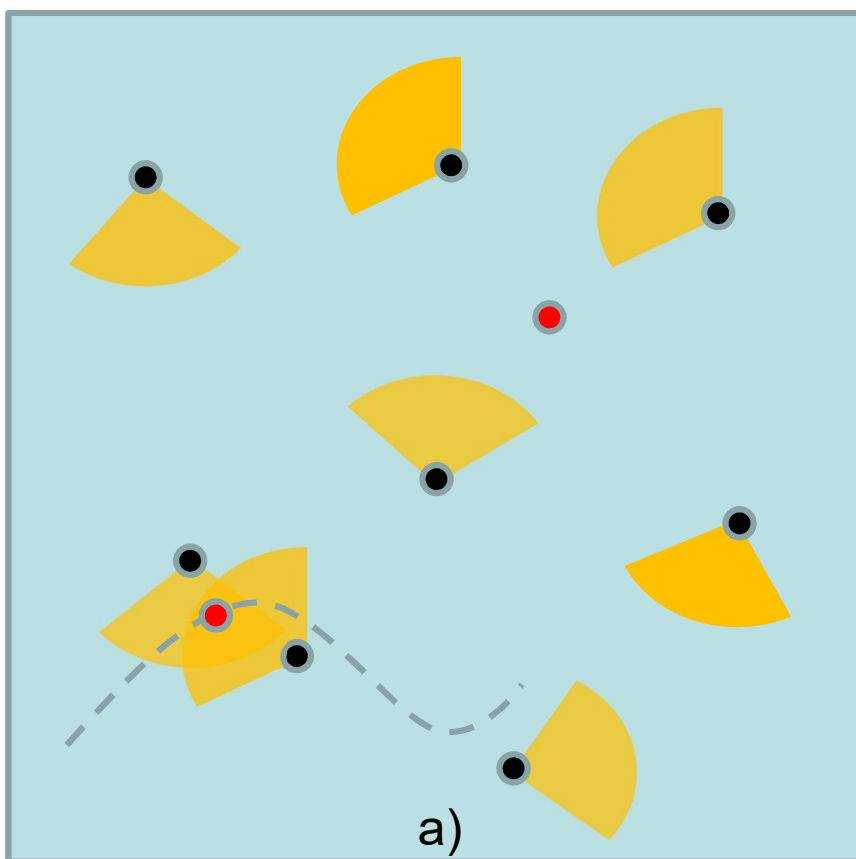
Theoretical: Phase transitions in multagent systems

Applications: Area surveillance and energy systems monitoring

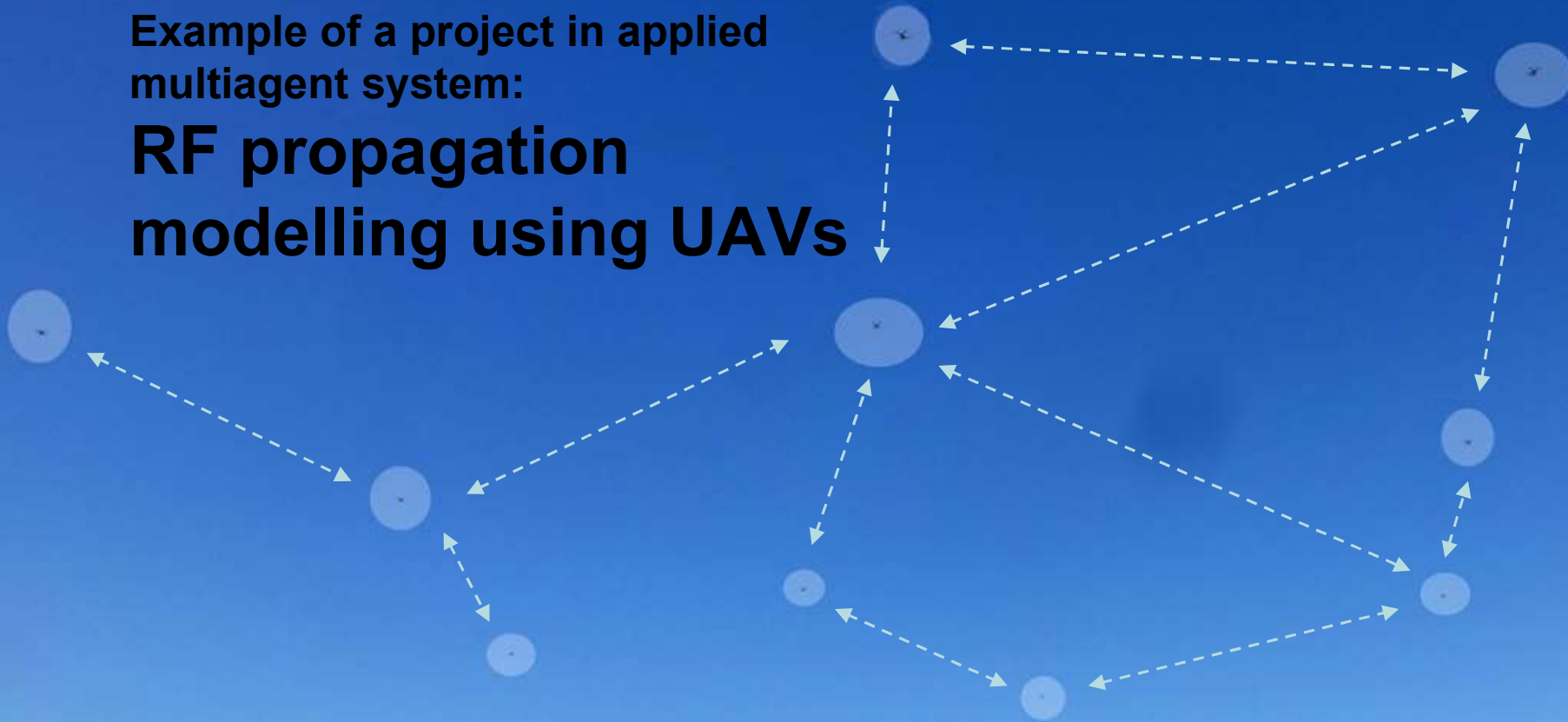
Hardware: Multifunction sensors

Example of a theoretical project in multiagent systems:

Auctions in multiagent search and task allocation



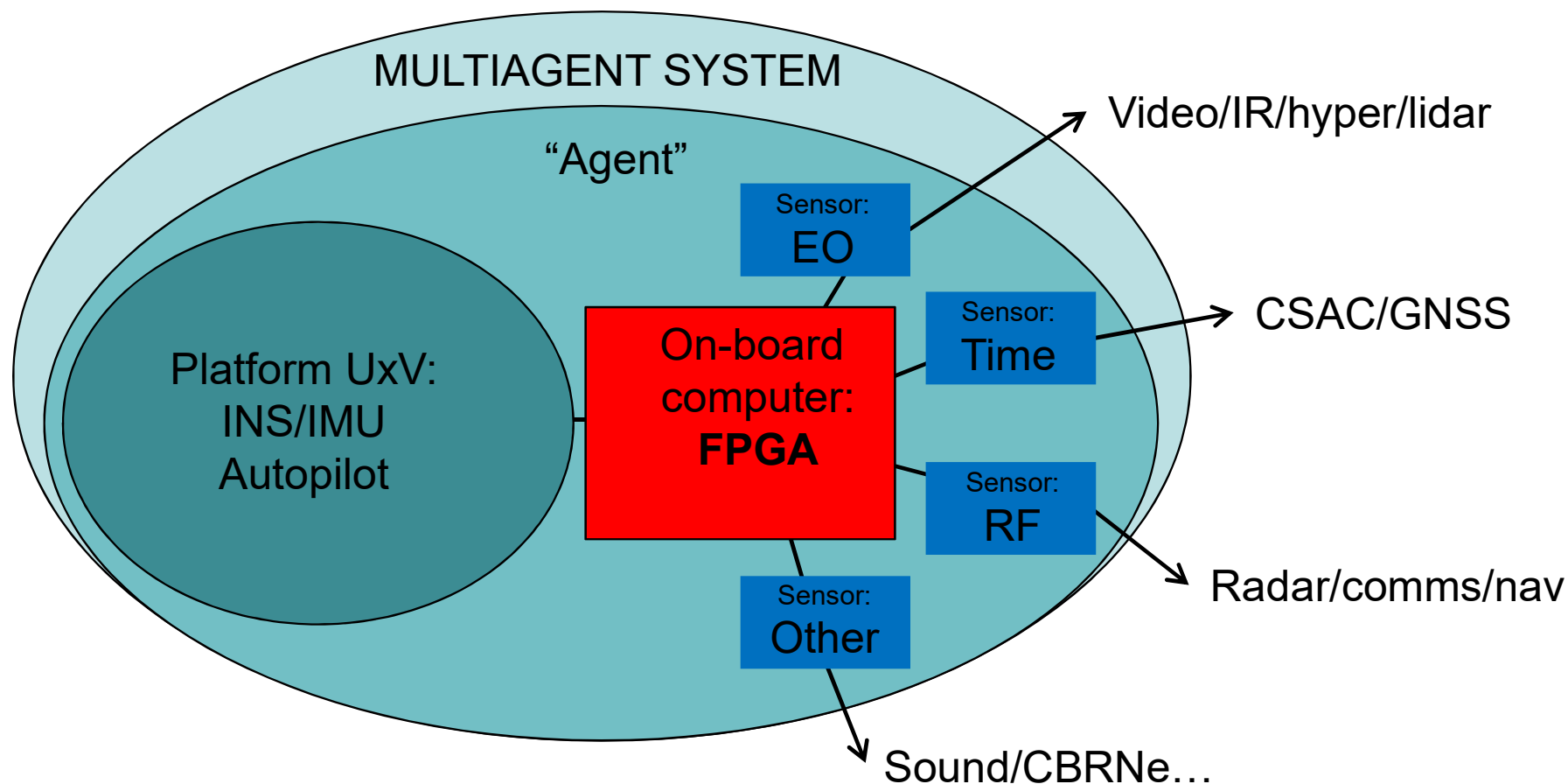
Example of a project in applied multiagent system:
RF propagation modelling using UAVs



*2018 Sondre Engebråten, UiOFFI
Naval Postgraduate School (NPS) Field Experimentation (FX) Program
Joint Interagency Field Experimentation Program (JIFX)

Example of electronics design relevant in multi agent system:

Fast approximate computing in multiagent systems



Questions? Interest?

**Talk to me or mail me on hjmoen@its.uio.no,
take course TEK5010 «Multiagent systems» at ITS**

