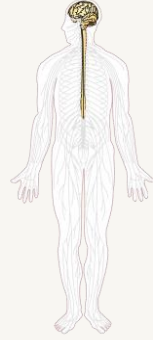


Master project propositions

Ulysse Côté-Allard





Human-Centred & Machine Learning

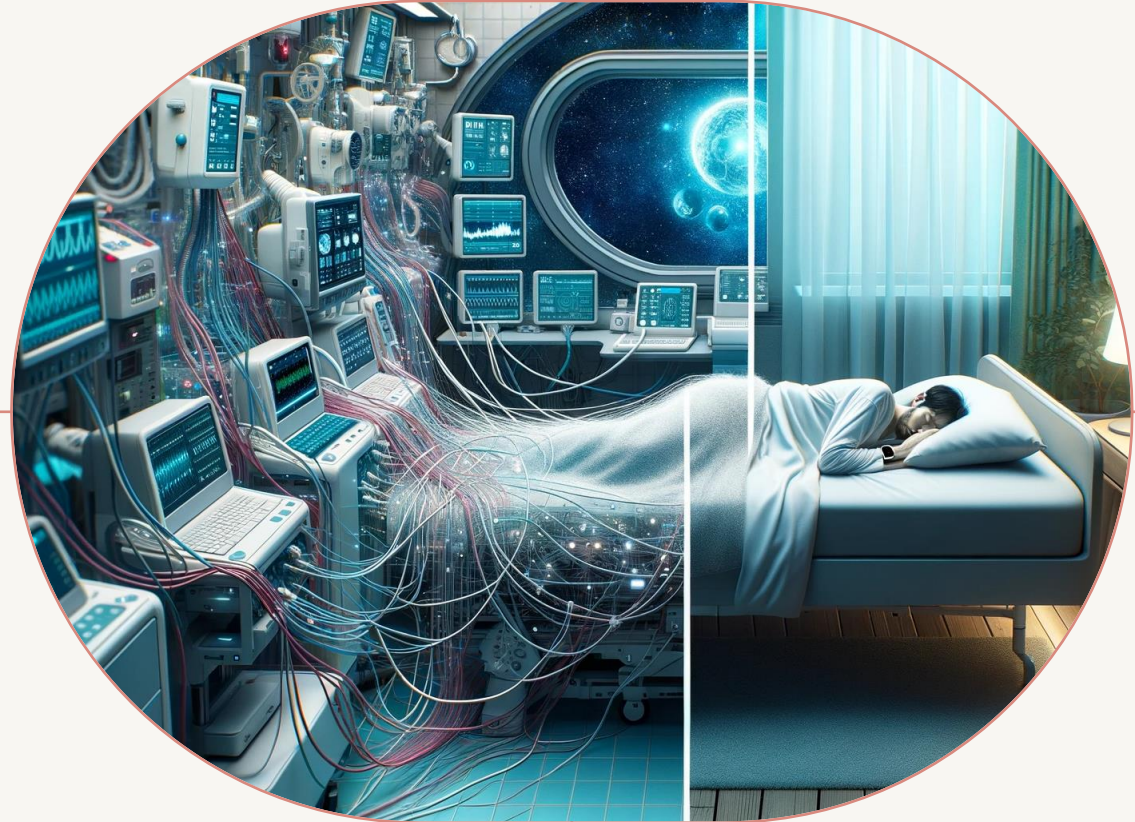


- Monitoring & Predictive Healthcare
- Human-Computer Interaction
- Autonomous Control (within healthcare)

Monitoring & Predictive Healthcare

- Leverage biosignals to understand the patient state

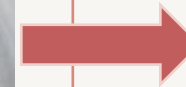
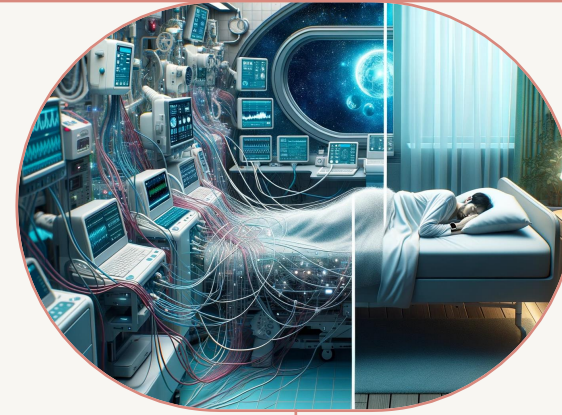
*AI-generated illustration



Monitoring & Predictive Healthcare

- Leverage biosignals to understand the patient state
- Projects available with **Haukeland Hospital** in Bergen and **Rikshospitalet** in Oslo
- Mental health application (sleep studies) & Intensive care units

*AI-generated illustration



Human~ Computer Interaction

- Muscle Activity (Electromyography)
- Multiple projects including collaboration with **FFI**
- Use Muscle Activity to allow additional control capabilities for the pilot
- Work with flight simulator for experiments



Echocardiography Automation

- Possibility for a group project
- Heavy use of computer vision + Reinforcement Learning

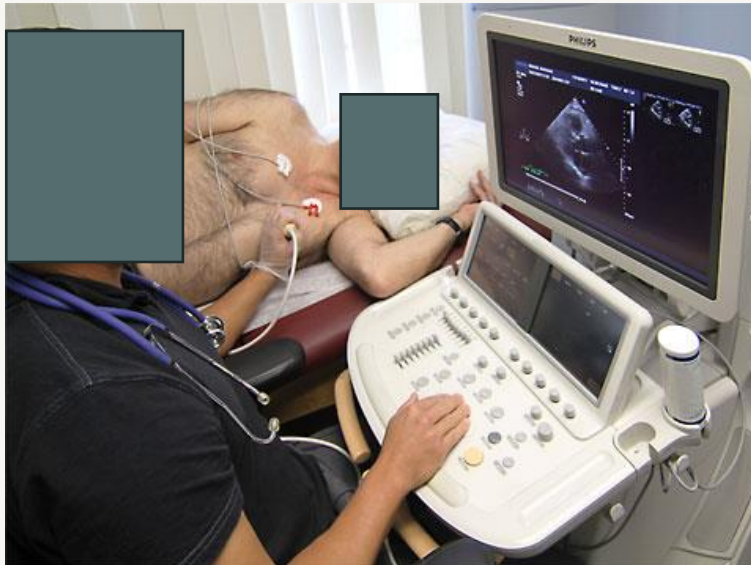


*Image from Zavaró Cardiovascular Institute

Take contact!



ulysseca@uio.no



List master projects
in Cybernetics