

Centre for Biorobotics

Advancing underwater exploration with real-time sensing and bioinspired robotics



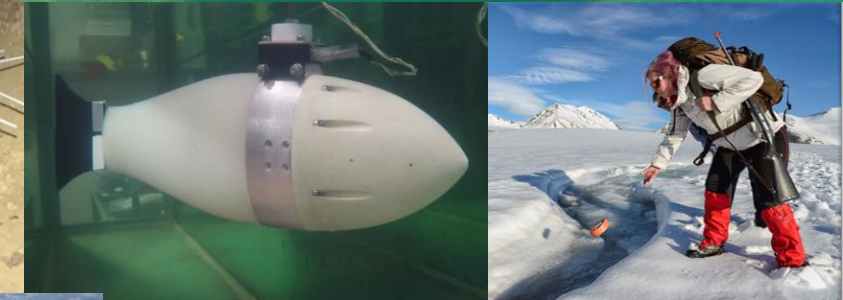
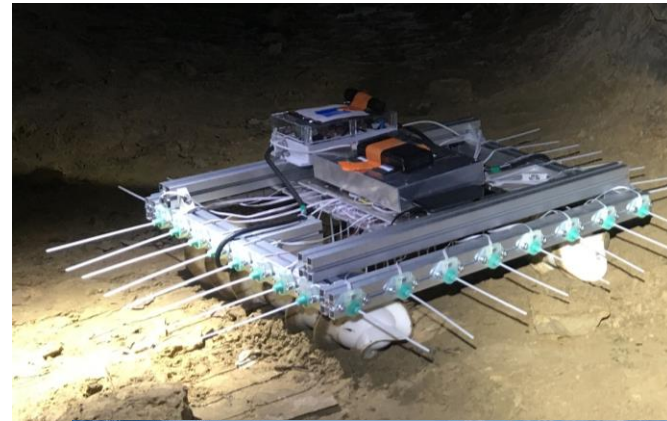
Robotics

- Designing and optimizing locomotion and control systems for underwater and multiphase environments
- Minimally invasive in-situ observations
- Mapping, machine learning and navigation in difficult conditions



Perception

- Bioinspired flow sensor development
- Sensing natural environments
- Signal processing for flow feature detection and mapping



Recent projects:

- Small-scale robotics for selective mining (H2020 Robominers)
- Harbor safety and aquaculture monitoring (H2020 ILIAD)
- Water quality parameter monitoring (KIK, Grenada)
- Water level and flow monitoring (Keskonnaagentuur)

