

Kyrre Glette

Robotics and Intelligent Systems group, Department. of Informatics RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion

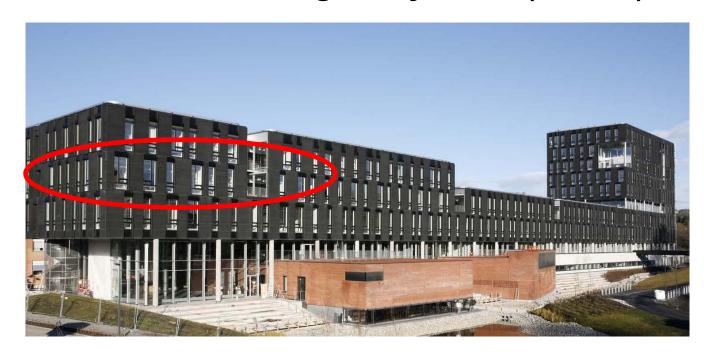
ROBIN:

Robotics, Intelligent Systems and Evolutionary Computation





Robotics and Intelligent Systems (ROBIN)



- 4 scientific faculty
- 1 engineer
- 5 adjuncts from research & industry
- 5 postdocs
- 6 phds











































Research interests

Methods: Computational intelligence

- Evolutionary optimization
- Machine learning
- Self-aware, self-expressive systems
- Swarm systems

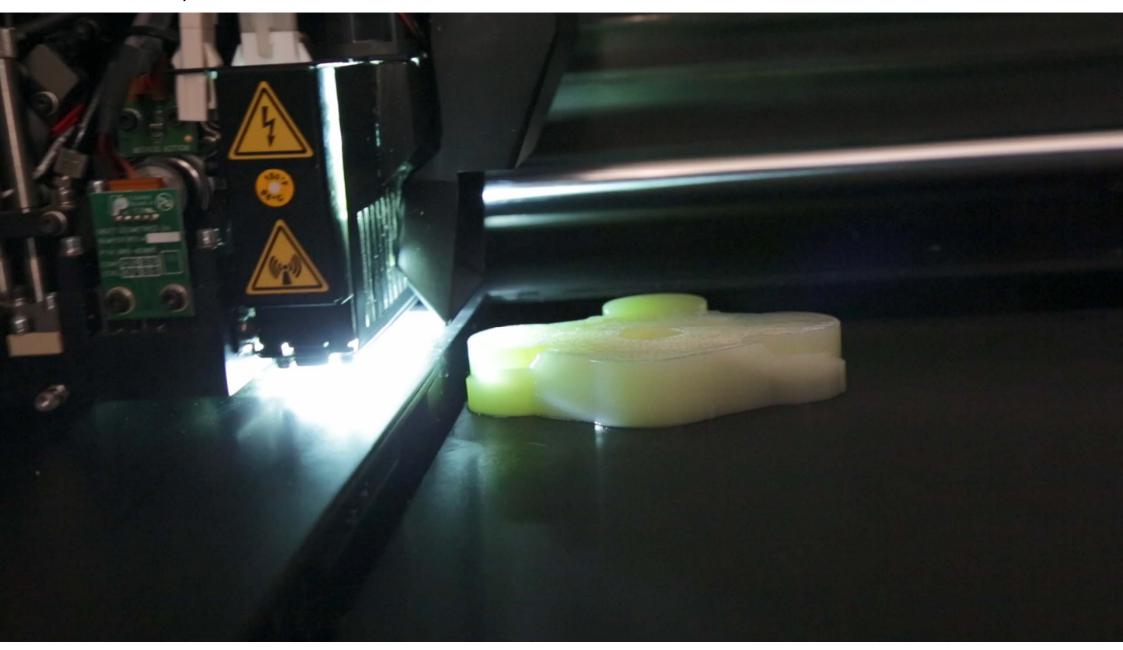
Applications:

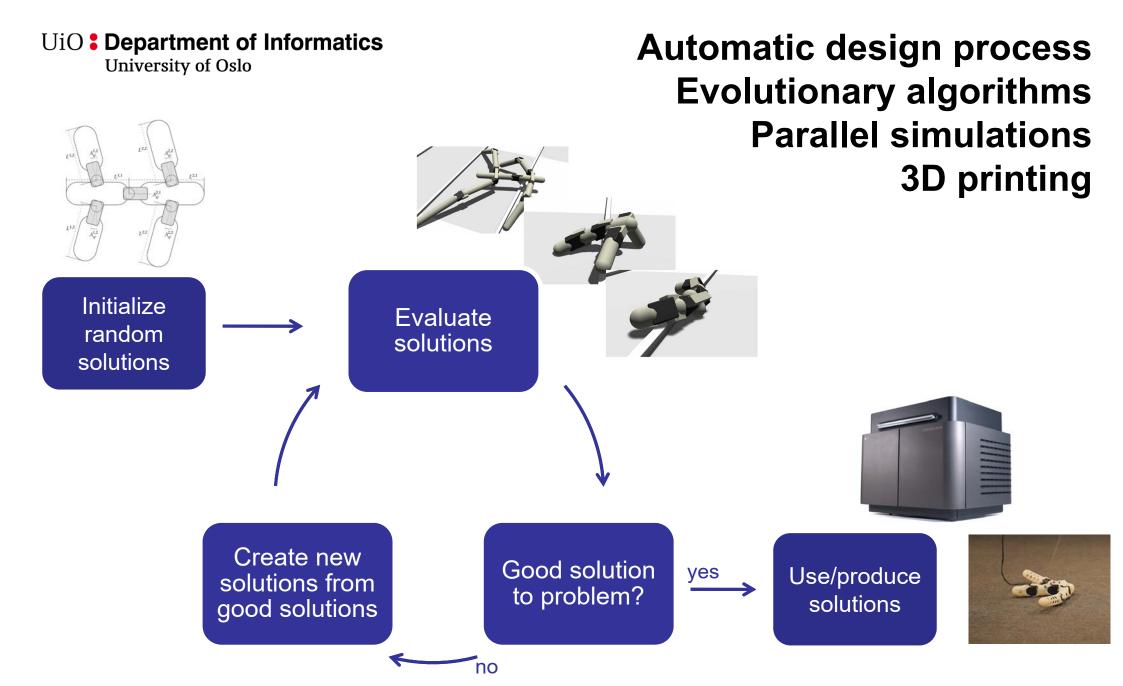
- Adaptive hardware
- Autonomous, adaptive, and evolutionary robotics
- Medical and health care robotics
- Music technology





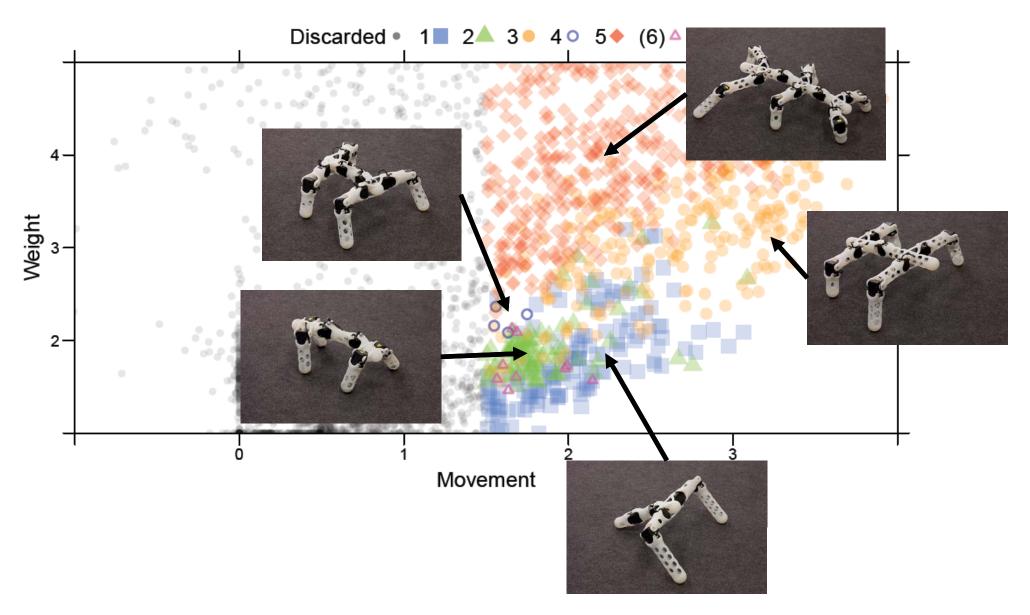




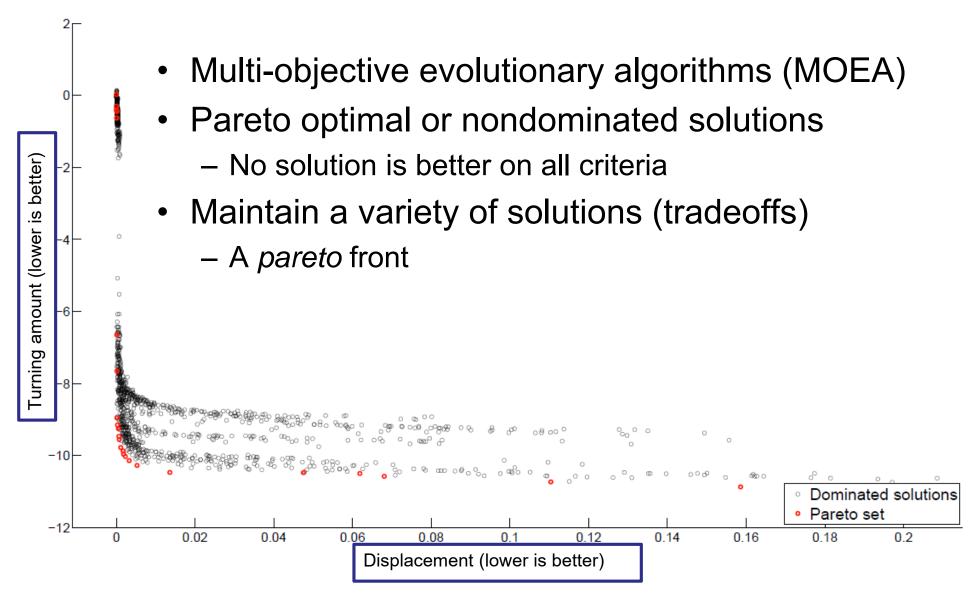


UiO Department of Informatics
University of Oslo

Select conceptually different solutions with machine learning



Optimization for multiple solution criteria



Self-aware and **UiO Department of Informatics University of Oslo** predictive robots Sensor information Learning Self-awareness Feedback Influence Self-expression Action selection Strategy behaviour **epics**

Engineering Proprioception

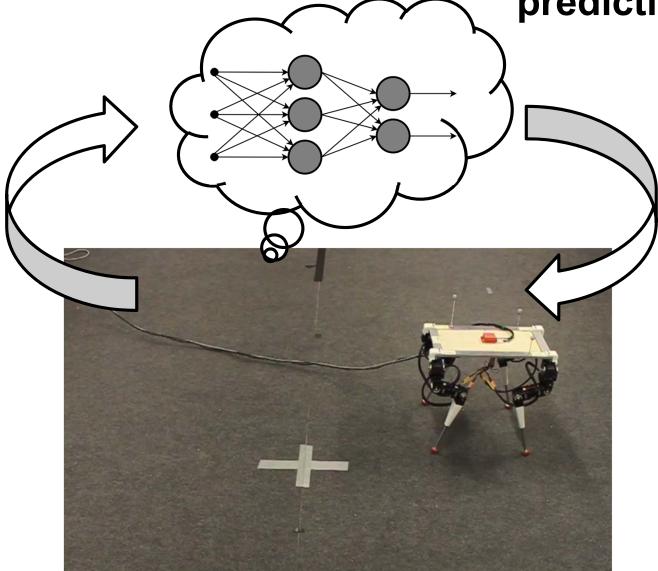
in Computing Systems

project (RCN)

UiO Department of Informatics

University of Oslo

Self-aware and predictive robots



EPEC RCN FRIPRO project

Repertoires of behaviors



