Lab 7
Distributed Intelligent Systems

Anwar Quraishi

15.11.2017
Content

• Multi-level modeling
  – Several abstraction levels

• Modeling a robotic swarm
  – Submicroscopic models $\rightarrow$ Realistic simulation, Webots
  – Microscopic models $\rightarrow$ average behavior of a single module
  – Macroscopic models $\rightarrow$ average behavior of a swarm

• Prediction and evaluation of the performance of distributed systems
Many questions!

• Among the longest labs
• Proceed sequentially
• Detailed explanations in the assignment
• Not much of code implementation
• Some involved mathematics
Running Webots in fast mode (S6)

• Dataset already provided in /data

• If you want to run the script to create a new dataset, put Webots in fast mode manually after it launches

• Or make another copy of existing data files