

Locomorph Summer School 23-27/8 2012
Morphology and Morphosis in Animals and Robots
Schedule

Thursday 23/8

09:00 Welcome (Kasper Stoy)
09:15 Introduction to Locomorph (Helmut Hauser)
09:45 Morphology and morphosis (Rolf Pfeifer)
10:30 Animal Locomotion (Peter Aerts)
12:00 Students introduce themselves
Lunch
13:30 Project appetizers
14:30 Students form interdisciplinary project groups, decide on project
? Social event (food and drinks)

Friday 24/8

09:00 Modeling Animal Locomotion (André Seyfarth)
11:00 Modular robotics (Kasper Stoy)
12:00 Lunch
13:00 Introduction to tools of projects (possibly in parallel)
Biomechanical modeling
Motion capture and analysis
Control and learning framework
Robot construction kit: LocoKit
15:00 Getting familiar with tools and initiate project
18:00 BBQ

Saturday 25/8

09:00 Control and Learning (Auke Ijspeert)
10:30 Introduction to tools of projects (cont.)
12:00 Lunch
13:00 Introduction to tools of projects (cont.)
14:00 Project
17:00 Discuss project status with teachers

Sunday 26/8

09:00 Project work
12:00 Lunch
13:00 Project status

Monday 27/8

09:00 Conclude project, prepare presentation or demo
11:00 Optional tour of University of Southern Denmark Robotics Labs
12:00 Lunch
13:00 Mini-seminar/demonstration session
15:30 Conclusion and evaluation
16:00 Finish
