FFR125, FIM760
Autonomous agents

LP III-IV, 2008

Reading guidance 2008-03-04:

Literature:

1. **Wahde, M.:** *An introduction to autonomous robots* (lecture notes). [**MW**]

2. **Xie, M.** *-- Fundamentals of robotics - linking perception to action.* [**MX**]

3. Various scientific papers (web links or printouts will be made available during the course).

Lecture 13: Information system of robots:
MX 303-374:
- 6.1 Introduction; *briefly*
- 6.2 Imitating the brain; *briefly*
- 6.3 Imitating the mind; *briefly*
  - 6.3.1 Autonomous actors or agents; *briefly*
  - 6.3.2 Autonomous behavior; *briefly*
  - 6.3.3 Computational tasks; *important*
- 6.4 Data-processing hardware
  - 6.4.1 Digital computers; *important*
  - 6.4.2 Microprocessors; *important*
  - 6.4.3 Micro-controllers; *important*
- 6.5 Data-processing software
  - 6.5.1 Programming; *briefly*
  - 6.5.2 Multi-tasking; *important*
  - 6.5.3 Real-time operating systems; *briefly*
- 6.6 Data storage and retrieval; *briefly*
- 6.7 Data interfacing and communication
  - 6.7.1 Basic concepts; *briefly*
  - 6.7.2 D/A converters; *briefly*