

# Multi-Agent Oriented Programming

## – Syllabus –

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# Objective

- To get a brief overview of the programming of open and decentralized systems using a multi-agent oriented perspective
- To understand the problems, the questions that are addressed in the multi-agent domain
- To practice existing multi-agent technologies
- To acquire some skill in multi-agent oriented programming

- Existing models defining multi-agent oriented programming approach:
  - Agent models,
  - Environment models,
  - Organisation Models,
  - and Interaction models.
- Existing programming languages and platforms supported by these models
- Special focus on Multi-Agent Oriented Programming (MAOP)

# Timings

- February 20, 2017:
  - 8h30-11h45: Introduction, Multi-Agent Oriented Programming (MAOP), *JaCaMo* Platform
  - 13h15-**16h45**: Agent Models & MAOP/Programming Agents
- February 21, 2017:
  - 8h30-11h45: Agent Models & MAOP/Programming Agents
  - 13h15-16h30: Agent Models & MAOP/Programming Agents
- February 22, 2017:
  - 8h30-11h45: Agents' Environment Models & MAOP/Programming Agents' Environments
  - 13h15-**16h45**: Agents' Environment Models & MAOP/Programming Agents' Environments

# Timings (Continued)

- February 23, 2017:

- 8h30-11h45: Agents' Organisation Models & MAOP/Programming Agents' Organisation
- 13h15-**16h00**: Agents' Organisation Models & MAOP/Programming Agents' Organisation

- February 24, 2017:

- 8h30-11h45: Multi-agent Coordination & Regulation & MAOP/Programming Coordination & Regulation
- 13h15-16h30: Multi-agent Coordination & Regulation & MAOP/Programming Coordination & Regulation