

# Multi-Agent Programming Contest 2017

## Participation Registration Template

Author/s

Institute

**Abstract.** Please follow the given template structure for your submission by answering the questions as concisely as possible, not exceeding the total of **5** pages. It is vital to explain in this submission how you are using a multiagent approach.

Please submit this document as PDF to *the mailing list*<sup>1</sup>.

due  
**8th of August, 2017**

### Introduction

1. What is the name of your team?
2. Who are the members of your team? Please provide names, academic degrees and institutions.
3. Who is the main-contact? Please also provide an Email address.
4. How much time (man hours) will you have invested (approximately) until the tournament?

### System Analysis and Design

1. Briefly, what is the **main strategy** of the team?
2. Will you use any existing multi-agent system **methodology** such as Prometheus, O-MaSE, or Tropos?
3. Do you plan to **distribute** your agents on several machines?
4. Is your solution based on the **centralisation** of coordination/information on a specific agent? Conversely if you plan a decentralised solution, which strategy do you plan to use?
5. Describe the **communication strategy** in the agent team. Can you estimate the communication complexity of your approach?
6. Describe the team **coordination strategy** (if any).
7. How are the following agent features implemented: *autonomy*, *proactiveness*, *reactiveness*?

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<sup>1</sup> If you want to keep certain information from other contestants, make a *public* version for the mailing list (and the homepage) and send the *complete* version only to the organizers.

## Software Architecture

1. Which **programming language** do you plan to use to implement the multi-agent system? (e.g. 2APL, Jason, Jadex, JIAC, Goal, Java, C++, ...)
2. Which **development** platform and tools are you planning to use?
3. Which **runtime** platform and tools are you planning to use? (e.g. Jade, AgentScape, simply Java, ...)
4. Which **algorithms** will be used?

Please explain the reasons for your answers.