Multi-Agent Programming Contest 2018 Participation Registration Template

Author/s, Affiliation/s

June 6, 2018

Abstract

Please follow the given template structure for your submission. It is vital to explain in this submission how you are using a multiagent approach.

You need to submit the first section (General) of the document as PDF to the mailing list and the complete document to one of the organizers. (Of course you are free to submit the complete document to the mailing list as well).

due **12th of August, 2018**

General

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 (developer hours) will you have invested (approximately) until the tournament?

Specifics

System Analysis and Design

1. What is the **main strategy** of the team?

2. Do you use any existing MAS **methodology**, e.g. 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*?

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 using?

3. Which **runtime** platform and tools are you using? (e.g. Jade, AgentScape, simply Java, ...)

4. Which **algorithms** will be used?

Evaluation

1. If you participated before, roughly how much of your agent team could you recycle from last time?

2. What are strengths of your (agent) team?

3. What are the weaknesses of your (agent) team?

4. Do you think your choice of programming language and/or frameworks paid off?

5. If you used anything MAS-related, please specify what you think the benefits were (regarding implementation effort, outcome, etc.).

Please explain the reasons for your answers.