Special Issue on
Distributed Artificial Intelligence and Multiagent Systems
RITA - Revista de Informática Teórica e Aplicada

A multiagent system comprises autonomous and collaborative agents. A multiagent approach to modelling is key for today's software systems, where decentralization plays a crucial role. This provides opportunities for agents to communicate, cooperate, coordinate, and learn. Moreover, agent-based modelling and simulation is an area that is gaining prominence, given the problems in our modern societies which are becoming increasingly complex, requiring software tools that are able to deal with such complexity in a bottom-up (e.g., agent-based) way.

This special issue is addressed to computer scientists and engineers from both academic and industrial environments, who design, develop and implement multiagent systems and agent based tools in diverse application areas.

We solicit submissions of original, unpublished, theoretical and applied work strongly relevant to multiagent systems, including both prototype and deployed systems which demonstrate novel capabilities.

Papers must be written in English, according to the RITA formatting guidelines. Only full papers will be accepted for submission. Papers will be refereed through a double blind process for technical merit and content.

Topics of Interest. A (non-extensive) list of topics is:

- Coordination, Cooperation, and Communication Issues in Distributed Artificial Intelligence (DAI) and Multiagent Systems (MAS)

- Machine Learning for and in DAI and MAS

- DAI and MAS as support for Machine Learning

- Agent-Based Modelling and Multiagent-Based Simulation

- Automated Planning for and in DAI and MAS

- Engineering Methods, Platforms, Languages and Tools for MAS

- Applications of DAI and MAS in Socio-Technical Systems, Health, Manufacturing, Robotics, and other domains

Papers should be submitted to the journal in the normal way but authors should select the Special Issue - "Distributed Artificial Intelligence and Multiagent Systems".

Contact: bazzan@inf.ufrgs.br

IMPORTANT DATES

Paper Submission Deadline:
Aug, 31, 2020

First Round Notification:
Oct, 31, 2020 (tentative)

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Final Decision (tentative):
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