Special Issue

Multi-Agent System Control: Recent Theories and Applications

Message from the Guest Editors

Multi-agent systems (MAS) use multiple interacting intelligent agents to solve problems that are difficult or impossible for an individual agent to solve. MAS can be applied in not only academic research, but also in industry and many other areas, such as computer games, networking and mobile technologies, transportation, logistics, manufacturing, power systems, smartgrids and geographic information systems (GIS). This Special Issue is dedicated to the control and communications of multi-agent systems (MAS). We invite researchers to submit original quality studies, urging them to address the main sub-disciplines, which include, but are not limited to, the following:

- agent-oriented software engineering;
- beliefs, desires, and intentions (BDI);
- cooperation and coordination;
- distributed constraint optimization (DCOP);
- organization;
- communication;
- negotiation;
- distributed problem solving;
- multi-agent learning;
- agent mining;
- scientific communities (e.g., on biological flocking, language evolution, and economics);
- dependability and fault-tolerance;
- robotics, multi-robot systems (MRS), robotic clusters;

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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