

ARCAI 2024 Special Session “Security Control, Optimization and Games of Intelligent Networked Systems with Its Applications in Advanced Robotics”

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Call for Papers:

Intelligent networked systems (INS) are playing an important role in advanced robotics, which integrates various techniques in facing artificial intelligence, security control, optimization, games and so on. INSs are oriented to the group intelligence over the physical or cyber networks. Recently, various new security control, optimization and game technique are springing up in many fields of the advanced robotics, including the intelligent navigation robot, unmanned aerial vehicle, automatic production line, human-computer interaction perception, etc. These applications call for emerging techniques that demonstrate superior performance in terms of control and optimization accuracy, reliability, and security. To fulfill this requirement, this special session aims to disseminate and highlight new research findings in the deep learning, security control, optimization, games and their applications in advanced robotics. Prospective authors are invited to submit original contributions in the related research topics.

The topics of this session are listed but not restricted to the following ones:

- Artificial intelligence;
- Advanced robotics;
- Distributed control and optimization;
- Security control and cooperative control;
- Advanced applications and implementation;
- Advanced control of intelligent robots;
- Game theory and its applications in intelligent robots.

Accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore’s scope and quality requirements and indexed by EI Compendex and Scopus. Selected papers will be invited to SCI Journal Special Issues.