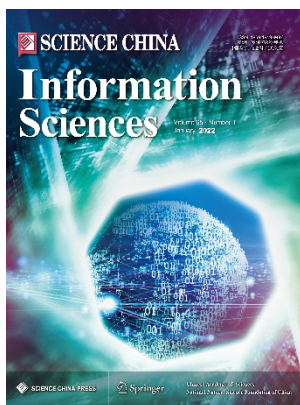




Call for Papers

Special Focus on Control, Optimization, and Learning for Networked Systems



A large number of networked systems exist in nature, where local interaction rules/mechanisms are exploited at different levels by multiple agents to achieve a common group objective. The study of networked systems has attracted significant attention in different research fields. Physicists, computer scientists, biologists, control theorists, and roboticists have all contributed to the development of networked systems, both in theory and applications. Together with urgent demands for scalability, robustness, and performance, the need to make networked systems distributed, efficient, and smart has been rapidly increasing. To this aim, novel control, optimization, and learning techniques should be comprehensively integrated into networked systems, which has led to great challenges in the synthesis and analysis of networked systems. It could be envisioned that substantial advances in networked systems will be achieved with the techniques developed in these areas.

The topics of this special issue include, but are not limited to, the following research areas:

- Cooperative control of multi-agent systems;
- Distributed estimation in sensor networks;
- Distributed optimization for networked systems;
- Learning-based control for networked systems;
- Applications to power, transportation, social, and robotic networks.

Submission

The papers should be prepared using the SCIS template, and should be submitted online through the manuscript submission system of the SCIENCE CHINA Information Sciences. The submission website is <https://mc03.manuscriptcentral.com/scis>. You should choose **Special Focus on Control, Optimization, and Learning for Networked Systems**. Information and guidelines on preparation of manuscripts are available on the journal website: <http://scis.scichina.com>.

Important Dates

Manuscript submission deadline: **Oct 1, 2022**

Acceptance notification: Jan 1, 2023

Final manuscripts due: Feb 1, 2023

Publication: Jun 1, 2023

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