



## Networked Robotics and Control Systems

Guest Editors:

**Dr. Yang Zhu**

**Dr. Jie Tao**

**Dr. Meng Zhang**

Deadline for manuscript  
submissions:  
**closed (15 March 2024)**

### Message from the Guest Editors

Dear Colleagues,

We invited for scientists, engineers and practitioners to submit their original theoretical and practical contributions to this SI. This may be on subjects such as networked control systems, as well as multi-agent systems with applications in various large-scale robotic plants including unmanned ground vehicles, unmanned aerial vehicles, autonomous underwater vehicles, as well as cyber-physical systems, smart grids, etc. Topics include, but are not limited to, the following:

- NCSs (and large-scale NCSs) with various kinds of constraints such as packet dropouts, time-delay in data transmission, communication protocol, event-triggered mechanism.
- Cooperative control of multi-agent systems with applications to multi-robots including unmanned ground vehicles (UGVs), unmanned aerial vehicles (UAVs), autonomous underwater vehicles (AUVs), automatic guided vehicles (AGVs).
- Distributed control and optimization theories (nonlinear control, adaptive control, robust control, model predictive control, etc.) of networked control systems and networked robotics.
- Path planning, navigation, localization, mapping of networked multi-robot systems.





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## Editor-in-Chief

### **Prof. Dr. Flavio Canavero**

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## Message from the Editor-in-Chief

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