

Annual Conference of the IEEE Industrial Electronics Society (IECON 2022)

Special Session on

“Distributed control, optimization and networked game and their industrial applications”

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Call for Papers

Theme:

The investigation of distributed control, optimization and network game has attracted ever-increasing research attention in both industry and academia due primarily to their explicit engineering insights in many applications ranging from machine learning, mobile sensor networks, global positioning systems to aerospace systems. Based on the idea that all the aforementioned research fields share many fundamental questions and mechanisms, this special session is intended to bring forth advances on distributed control, optimization and game. We are interested in papers proposing novel distributed algorithms and protocols under multiple constraints, analyses of their theoretical aspects, and applications for large-scale practical systems.

Topics of interest include, but are not limited to:

1	Distributed control for multi-agent systems
2	Distributed resilient event-triggered control
3	Distributed accelerated optimization methods
4	Distributed online optimization and its applications
5	Asynchronous/synchronous methods for multi-agent learning
6	Novel results on nonconvex optimization
7	Cooperative and competitive multi-agent learning
8	Energy efficient distributed learning for industrial networks
9	Stochastic control, optimization and networked game

The IES Technical Committee on Network-Based Control Systems and Applications sponsors this Special Session.

Submissions Procedure:

All the instructions for paper submission are included in the conference website: <https://iecon2022.org/>

Deadlines:

Full paper submission:	April 15, 2022
Paper acceptance notification:	June 17, 2022
Camera-ready paper submission:	July. 29, 2022