

Proposed ICIST'2023 Special Session Title:

“Recent advances on Security and optimal control of dynamic systems: Theory and application”

Organizers:

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About the Topic and Purpose of the Special Session

Security and optimal control of dynamic systems have been one of the most attractive research topics in the period of the IoTs due to the widely application of communication networks in many areas, such as energy management and optimization of micro-grid, formation and control of unmanned system, and so on. With the growing development of the industrial techniques, the past decade has witnessed tremendous progress in such field. This motivates us to organize a special session at ICIST'2023 to gather researchers in the above fields for exchanging and sharing research ideas and advices.

This special session aims to provide an opportunity for the researchers and practitioners in the field of security control, and optimal control to share their new ideas and recent results. The topics of this session explicitly include but are not limited to the aspects of fault detection and control and optimization of cyber-physical systems, fault tolerant control and attack detection and security control, regarding both fundamental theory and practical applications.