

CALL FOR PAPERS

Special Section on Resilient Electronic Defense System and Collaborative Technology

Introduction

Facing the rapid evolution of electronic warfare attack methods, the dynamic adaptability and damage resistance of defense systems are crucial for maintaining survival rates on the battlefield. Modern electronic defense needs to upgrade from passive anti-jamming to a resilient system with a closed-loop perception-decision-reconstruction, encompassing core directions such as intelligent spectrum management and control, multi-domain collaborative protection, and system resilience reconstruction. Currently, technological bottlenecks such as heterogeneous signal fusion, anti-jamming communication, and distributed networking urgently need to be overcome. Through theoretical innovation and interdisciplinary cross-fertilization, new defense methods and paradigms that adapt to complex threat environments need to be constructed. This column focuses on the system architecture and key technologies in the field of electronic defense, promoting the construction of resilient defense capabilities that integrate anti-jamming, anti-reconnaissance, and damage resistance, and providing academic guidance for enhancing electronic protection efficiency in complex battlefield environments.

Scope of Topics

This special section aims to collect the latest original contributions in high-dimensional signal processing with new theory, analysis, models, methods, and applications. The topics of interest include, but are not limited to

- Radar anti-jamming technology
- Communication anti-interference technology
- Photoelectric anti-interference technology
- Navigation anti-interference technology
- Multi-domain joint anti-jamming technology
- Intelligent electronic defense technology
- Networked and systematic electronic defense technology
- New protective technologies and materials

Submission

Authors should prepare papers according to the format requirements of Journal of Systems Engineering and Electronics, with reference to the Instruction given at <http://www.jseepub.com>, and submit the Word version of the complete manuscript through the online submission system. When submitting the paper, the title format should be “**Title (Special Section on Resilient Electronic Defense System and Collaborative Technology)**”.

Important Dates

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