

## Special Issue on **Modeling and Simulations of Electronic Supports and Countermeasures for Electronic Warfare**

# CALL FOR PAPERS

“Electronic Warfare” (EW) refers to any action involving the use of the electromagnetic spectrum or directed energy to sense, process, command, and control the spectrum.

The proliferation of emerging EW technologies such as weak signal interception and exploration, jamming and countermeasures, antijamming communications, and cooperative engagement technologies enables new and effective electronic supports and corresponding countermeasures over the electromagnetic spectrum and networks. Subsequently, via interdisciplinary collaborations, there are various approaches towards physical, cyber, and cross layer investigations on EW modeling with simulations.

This special issue invites original research and review articles relevant to inherent challenges in EW systems, electronic supports, and countermeasures as well as exploiting the new results and expanding its state of the art. We expect that this special issue will trigger further related research and technology improvements, not only in this important field, but also in other areas including modeling and simulations (M&S) in military communications and covert communications.

Potential topics include but are not limited to the following:

- ▶ Advanced EW systems for jamming and countermeasures
- ▶ Emerging EW surveillance techniques using active and passive sensing
- ▶ Secure and robust communications in the presence of passive and active attacks
- ▶ M&S of countermeasures against advanced networked and agile systems
- ▶ Emerging systems concepts and advanced technologies of EW
- ▶ Innovative concepts of physical and network solutions for EW
- ▶ Engineering issues in modeling and simulation of EW
- ▶ Emerging manned and unmanned EW applications for air, sea, land, and space

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/scn/ramse/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

### **Special Issue Editor in Chief**

Kiseon Kim, Gwangju Institute of Science and Technology, Gwangju, Republic of Korea  
*kskim@gist.ac.kr*

### **Guest Editors**

Nitaigour P. Mahalik, California State University, Fresno, USA  
*nmahalik@yahoo.co.uk*

Sugjoon Yoon, Sejong University, Seoul, Republic of Korea  
*sjyoon@sejong.ac.kr*

Aresh Dadlani, Nazarbayev University, Astana, Kazakhstan  
*aresh.dadlani@nu.edu.kz*

### **Submission Deadline**

Friday, 27 December 2019

### **Publication Date**

May 2020