

Advanced Approaches for Information Security and Protection

Wireless technologies such as mobile phones, radar, navigation and geolocation systems, wireless standards, Internet of Things, radio astronomy, and smart grids, are increasingly present in our societies. More and more often, however, our receivers can be affected by many sources of interference. In addition to the interference of emitters in close proximity, malicious radio attacks should also be considered. Nowadays, wireless attacks can be achieved using low-cost equipment, making our wireless systems vulnerable and their protection hardly achievable.

Inspired by the state of the art on communication intelligence and full-duplex in Cognitive Radio, this Research Topic aims to encourage authors and researchers to work towards increasing the protection efficiency of transceivers using analogue, digital, or combined approaches. The main objective is to enhance the security of our applications in the context of cyber defence or electronic surveillance.

This dedicated one-off article collection will collect contributions submitted to the Workshop on Security & Protection of Information (SPI22) that will be held in Grenoble on June 13th and 14th, 2022:

<http://www.gipsa-lab.grenoble-inp.fr/~cornel.ioana/spi.html>

Authors are welcome to submit original unpublished technical papers on recent and advanced approaches to protect transmitted information. Topics of interest include but are not limited to:

- Security of Physical Layer
- Network Security
- WLAN Security
- Jammer Detection
- Interference Avoidance
- Beamforming
- Cryptography
- Digital Watermarking
- IoT Security

- Multiplexing Technics

Extended versions of papers submitted to the above-mentioned workshop can also be considered in this Research Topic.

GUEST EDITORS:

Dr Cornel IOANA, Grenoble INP GIPSA-lab

Professor Ali MANSOUR, ENSTA Bretagne Lab Stic

Professor Alexandru SERBANESCU, Military Technical Academy, Bucharest, Romania.

IMPORTANT DATES:

- Launch: 02 May 2022

- Abstract deadline, valid for abstracts submitted via our online platform: [06 June 2022](#) - the date can be anticipated or postponed depending on your preference

- Workshop: 13 and [14 June 2022](#)

- Manuscript deadline: 02 September 2022

- Public extended deadline: 02 October 2022

Please note that Research Topics are open for submission for a period of 5 months.