

# Annals of Telecommunications



**Call for papers  
Special Issue on**

## **Cybersecurity in Networking**

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Today, the pervasive use of the communication technologies in various systems and domains such as the Intelligent Transportation System (ITS), the Industrial Control Systems-SCADA, social networks, financial networks and connected objects, continue to improve the quality of human life. However, the strong dependency of these infrastructures on information communication technologies as well as their connectivity to the Internet make them increasingly vulnerable to various types of threats that can have fatal impact on economic and societal functions. In addition, traditional cybersecurity platforms, protocols and measures are not efficient enough especially in virtualized, heterogeneous and critical environments. The main objective of this special issue is to address various research issues related to the cybersecurity and protection of smart infrastructures.

The special issue seeks high-quality, original technical papers from academia, government, and industry. Topics of interest include, but are not limited to:

- Authentication mechanisms in wireless networks
- Cybersecurity for Internet of Things
- SCADA/DCS cybersecurity architecture
- Machine learning-based solutions
- Blockchain technologies
- Intelligent Transportation System (ITS) cybersecurity architecture and protocols
- Cybersecurity for smart infrastructures
- Security in social networks
- Attack detection and prevention techniques
- Botnets detection

### **Guest Editors**

- **Diogo Menezes, Universidade Federal do Rio de Janeiro, Brazil**
- **Rida Khatoun, Telecom ParisTech, France**
- **Otto Carlos Muniz Bandeira Duarte, Universidade Federal do Rio de Janeiro, Brazil**

Papers must describe original research that advances state-of-the-art in the area of cybersecurity and must not be simultaneously submitted to a journal or a conference with proceedings. Papers must be written in excellent English and should not exceed 10 pages. Previously published or accepted conference papers must contain at least 40% new material to be considered for the special issue. A covering letter to the Guest editors clearly describing the extensions made must accompany these types of submissions. All submissions must be made using the instructions available at:

<http://annalsoftelecommunications.wp.mines-telecom.fr/how-to-publish/>

The authors can directly submit their papers at: <https://www.editorialmanager.com/ante/> and must select the menu "Choose Article Type" and then the item "CfP: Cybersecurity in Networking".

## Proposed schedule

- **Manuscript submission** March 20<sup>th</sup>, 2018
- **Notification** June 30<sup>th</sup>, 2018
- **Final revised papers due** July 30, 2018
- **Online with DOI** As soon as accepted
- **Printed issue** Fall 2018



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