

Special Issue

Physical-Layer Security for Wireless Communications

Message from the Guest Editors

This Special Issue aims to provide a view of recent research on physical-layer security and integrity techniques for communications. The security and integrity of transmissions are a major concern for future technologies. To date, information security has generally been assigned to the cryptographic layer, thus involving a high computational cost, and consequently a relatively high power consumption. Furthermore, the emergence of new wireless technologies such as Internet of Things (IoT), 5G tactile Internet, massive MIMO, cognitive radio, smart satellite systems, etc. makes current encryption-based methods unsuitable. Physical-layer security is an alternative solution to these problems. The basic idea of this security is to exploit the characteristics of the transmission channel and its impairments to design efficient secure transmission strategies, such that the information from the source to the intended receiver are kept confidential. Active researchers in physical-layer security and integrity for wireless communications are highly encouraged to submit their recent original works and results to this Special Issue.

Guest Editors

Dr. Roland Gautier

Prof. Dr. Gilles Burel

Dr. Anthony Fiche

Dr. Telex Magloire N. Ngatched

Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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