

Special Issue

Security Protocols for Embedded Wireless Devices

Message from the Guest Editor

The majority of computers on the planet are now embedded systems of some kind. Many of these are subject to various restrictions, e.g., computation, power consumption, connectivity, memory, transmission strength, etc. In addition, they often have to cope with less than ideal environments. They might have to communicate wirelessly in a noisy environment, or they might be operated by users who do not know or care about their limitations, and just want the functionality these devices can provide. These factors mean that such devices need to provide a different set of security guarantees than is often required in more traditional networks. Such devices need to cope with a large array of attacks, ranging from wireless jamming and denial of service, to protocol attacks that can leverage the reduced device resources and unique limitations. This special issue aims to bring together researchers and practitioners to discuss aspects of security protocols for embedded wireless devices, explore new theories, investigate already deployed algorithms, protocols and schemes and innovate new solutions for overcoming the huge challenges in this important research area.

Guest Editor

Prof. Dr. Kasper Rasmussen

Department of Computer Science, Wolfson Building, Parks Road,
Oxford OX1 3QD, UK

Deadline for manuscript submissions

closed (30 March 2020)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/30599

Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)