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 guarentees 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 recources 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 deploid algorithms, protocols and schemes and innovate new solutions for overcoming the huge challenges in this important research area.

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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.

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