Special Issue

Wi-Fi Sensing: Applications and Challenges

Message from the Guest Editor

Recently, Wi-Fi sensing is attracting increasing attention as a new innovative sensing technology. Wi-Fi sensing is a technology which uses exiting Wi-Fi signals to perform sensing applications such as motion detection and gesture recognition as well as fine-grained biometric measurement. Compared with traditional approaches, it has a series of advantages and provides a compelling alternative, for instance, in that it does not require lighting, offers better coverage as it can sense through walls, and offers a high level of user privacy. As a result, it provides opportunities for home security, healthcare and service providers within enterprises and many more. This growth in Wi-Fi sensing applications brings forward an inevitable need for more efficient and intelligent processing, implementation and deployment. The aim of this Special Issue is to investigate the latest research trends and recent development of new frameworks, mechanisms, and algorithms that are able to support Wi-Fi sensing technology.

Guest Editor

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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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