Trustworthiness in Mobile Cyber Physical Systems

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Message from the Guest Editors

Dear Colleagues,

Computing and communication capabilities are increasingly embedded in diverse objects and structures in the physical environment. It will link the 'cyberworld' of computing and communications with the physical world. These applications are called cyber physical systems (CPS). Obviously, the increased involvement of real-world entities leads to greater demand for trustworthy systems. Hence, we use "system trustworthiness" here, it can guarantee continuous service in the presence of internal errors or external attacks.

Mobile CPS (MCPS), a prominent subcategory of CPS in which the physical component has no permanent location. Mobile Internet devices already provide ubiquitous platforms for building novel MCPS applications. The objective of this Special Issue is to contribute to the direction of research on modern/future trustworthy MCPS, including design, modeling, simulation, dependability, and so on. It is imperative to address the issues which are critical to their mobility, report significant advances in the underlying science, and discuss the challenges of development and implementation in various applications of MCPS.

Special Issue

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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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