Workshop

Title:

Towards the Construction of the Safe and Credible Smart City in Ubiquitous Access Environment，CONST.SCSC（in UAE）

Abstract:

Smart City is advanced form of urban informatization which integrates a mess of systems and services by using technologies such as big data, cloud computing, Internet of things, mobile communication, etc. Smart City has the feature of comprehensive perception, ubiquitous interconnection, pervasive computing and integrated application, so as to enhance the efficiency of resource utilization, optimize urban management and services, and improve the quality of life of citizens. However, the widespread use of high-tech also poses increasingly severe challenges to information security. For example, the ubiquitous access and recommendation systems of various services make it difficult for both parties to establish reliable trust relationships and the deep use of big data also brings about problems of data reliability and privacy disclosure. How to establish an effective trusted computer mechanism and data protection mechanism in the ubiquitous access scenarios of smart cities has become an important issue to be solved urgently. Aiming at the trustworthiness and security problems in smart city construction, this workshop explores efficient information security protection technology and trusted computing technology, providing a platform for experts and scholars in this field to exchange and explore. In addition, the workshop will also explore new scenarios, new concepts, new technologies and applications of ubiquitous Internet of Things security, high-performance encryption algorithms, block chain technology, active defense technology and so on.

Scope and Topics:

The proposed workshop on "Towards the Construction of the Safe and Credible Smart City in Ubiquitous Access Environment" aims to provide a platform to academia researchers as well as industry partners where they can exchange ideas and solutions on recent research and future directions for the applications of security and trust computing in the field of smart city. This workshop solicits original research papers that addresses the following non-exhaustive list of topics:

Topics:

- Identity-Based Encryption and its application in cross-domain authentication of smart city

- Identity management in zero trust environment

- Trusted computing, trust value management and transfer in smart city

- Blockchain enabled security mechanism

- IoT and its security system

- Endogenous safety in complex system

- Mimetic security based on heterogeneous redundant structure

- Application of digital twin technology in smart city

- Big data security of smart city

Program Committee Chairs:

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