

CALL FOR PAPERS

Trustworthy Computing for Secure Smart Cities

Theme

The Smart City initiative aims to use technology to empower citizens and businesses to take hold of new opportunities in the digital economy, as well as enabling noteworthy improvements on how we sustain, work and play. As all the countries progress with its revolution into a Smart City, the necessitate to develop certified trustworthy software systems to manage homes, offices, transport systems, urban spaces, schools, hospitals and other environments is of paramount importance. At the fundamental level, Smart City is about making daily transactions easy and seamless, be it making a payment, applying for a permit, etc. The technology that enables this smooth process should be invisible, and the design should be intuitive, so that the solution is not just convenient, but a delight to use. At a broader level, Smart City is about achieving efficiencies and effectiveness, be it leveraging sensors and data to better manage traffic or monitor security threats. Cost savings brought about by digitization is also a key to growing businesses. Citizens can use technology to improve quality of life, be it through monitoring health, reducing time spent on administrative tasks, or planning commutes, etc.

This call triggers distinct and contemporary proposals for the development and deployment of tools and services to endorse the security and flexibility of embedded software systems, or the development and deployment of trustworthy software systems to enable certification for the upgradation of a secure Smart City. Authors are encouraged to study these or other relevant challenges, including but not limited to:

- Secure mobile apps to control devices
- Energy management in devices without compromising security
- Next generation connectivity
- Intelligent control systems for devices
- Secure protocols for networked devices and solutions to improve IoT network security
- Governance and policy issues
- Infrastructure for the digital economy
- Security and privacy vulnerability assessment in smart city
- Information and communication technologies (ICT) in health projects
- Trustworthy computing model for smart city
- Smart sensor networks
- Trusted Platform Module
- Physical infrastructure augmentation
- Security and privacy requirements engineering of smart city services
- Privacy protection of big data in IoT-cloud enabled smart city

Notes for Authors

Contributions must be at least 12 pages in length. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Conference papers may be submitted if the paper has been rewritten and expanded to at least 30% (proofs to be included in the cover letter), and, if appropriate, written permissions must have been obtained from any copyright holders of the original paper. For preparation of your manuscript you may follow the instructions at <https://www.iospress.nl/journal/journal-of-ambient-intelligence-and-smart-environments/>, under section “Manuscript Submission & Author Instructions”.

Important Dates

Submission: 31 August 2020

Notification: 30 November 2020

Camera-ready: 31 December 2020

Scheduled publication: May 2021

All deadlines are 11:59 pm IST.

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