A smart city is a newly developed concept, referring to an urban area using different kinds of electronic sensors to collect data and supply information, including data collected from citizens, devices, and assets. It integrates information and communication technology (ICT), various physical devices, and citizen services. To establish a smart city, Internet of Things (IoT) is an important basis, where connected devices in a smart city are not limited to static sensors anymore, but also include any personal wearable devices such as mobile phones, smart watch, smart glasses, etc. It was expected to reach 53.63 million connections in EU by 2025. However, IoT may also bring notable vulnerabilities to smart cities. For example, in late 2021, a group of hackers took down a power grid in a region of western Ukraine to cause the first blackout from a cyber attack. For privacy, around 10,000 households can generate 150 million discrete data points every day. This creates more entry points for hackers and leaves sensitive information vulnerable. Due to these security and privacy issues to IoT-based smart cities, there is a strong need to develop appropriate mechanisms to protect the security and privacy for IoT networks and smart city infrastructures.

This special issue intends to gather cutting-edge results on addressing security and privacy issues for IoT-enabled smart cities. The aim is to promote research and learn recent advances in the domain of IoT and smart cities.

In particular, the topic of interest includes but is not limited to

- Post-quantum security for IoT-enabled smart cities
- Secure design for IoT and smart cities
- Side-channel analysis for the security and privacy of IoT-enabled smart cities
- Security and risk analysis for IoT-enabled smart cities
- Privacy and anonymization techniques for IoT-enabled smart cities
- Trust management architectures for IoT-enabled smart cities
- Lightweight security solutions for IoT-enabled smart cities
- Sustainability solutions for IoT and smart cities
- Authentication and access control for IoT-enabled smart cities
- Innovative security techniques for smart city infrastructure
- Internet of Things devices and protocols security
- Cloud computing-based security solutions for IoT-enabled smart cities
- Critical infrastructures privacy and security for IoT-enabled smart cities
- Biometric modalities for IoT-enabled smart cities
- Cyber-attacks detection and prevention systems for IoT-enabled smart cities
- Interoperable security for smart city planning and applications
- Blockchain technologies for smart city security and privacy
- Edge computing for smart city security and privacy

**Submission Guidelines:**

All submissions have to be prepared according to the Guide for Authors as published in the Journal website at:

https://www.springer.com/journal/12243/submissionguidelines

Authors should submit online at:

https://www.editorialmanager.com/ante/

by selecting “SI: Security and Privacy for IoT and Smart Cities: Recent Advances and Challenges” from the “Special Issues” pull-down menu during the submission process.

All contributions must not have been previously published or be under consideration for publication elsewhere. A submission based on conference paper version should add at least 40% new material. Authors are required to attach to the submitted paper their relevant, previously published articles and a summary document explaining the enhancements made in the journal version.

All papers will be peer-reviewed by at least two independent reviewers.

Requests for additional information should be addressed to the leading guest editor (Dr. Weizhi Meng, weme@dtu.dk).

**Proposed Schedule**

Submission deadline: December 31, 2022 Extended to April 30th, 2023
Initial notification: July 15th, 2023
Final Acceptance/rejection notification: September 30th, 2023
Online with DOI: as soon as accepted
Printed issue: second half of 2023
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Published by Springer, *Annals of telecommunications* is indexed in ISI and Scopus Databases, 2021 Impact Factor: 1.901