

# **IEEE CONSUMER ELECTRONICS MAGAZINE** - SPECIAL ISSUE CALL FOR ARTICLES -

# **Security and Privacy in Consumer Electronics for Smart Cities**

As consumer electronics seamlessly integrate into our urban environments, they become integral to the functioning of smart cities. These devices, ranging from smart wearables to interconnected sensors and gadgets, offer unprecedented convenience and efficiency. However, the use of consumer electronics in smart cities suffers from serious issues related to security and privacy during data sharing and processing, which significantly prevents the booming development of consumer electronics in smart cities. In this challenging context, effective solutions and strategies emphasizing secure data sharing and privacy preservation will provide continuous improvement for the real implementation of consumer electronics in smart cities.

This special issue focuses on advanced developments, technologies, and challenges regarding the security and privacy issues in consumer electronics paradigms, and in particular, its adoption within diverse smart cities research fields. We are particularly interested in the latest findings from research, ongoing projects, and review articles that can provide readers with current research trends and solutions.

#### **TOPICS OF INTEREST**

This special issue intends to gather cutting-edge results on Security and Privacy in Consumer Electronics for Smart Cities. The topics covered include but are not limited to:

- · Anonymous authentication for privacy-preserving in smart cities
- · Decentralized trust management for edge infrastructure in smart cities
- · Distributed algorithms and intelligent network optimization for smart consumer electronics
- · Key management in consumer electronics for smart cities
- Middleware and applications of cloud/fog/edge computing for
- smart consumer electronics
- New models and solutions in consumer electronics for smart cities
- Privacy-aware secured protocols for smart consumer electronics
- Security and privacy architectures for smart consumer electronics systems
- Standardization and cyber-physical social systems in smart cities

#### **AUTHOR GUIDELINES**

IEEE Consumer Electronics Magazine (CEM¹) publishes peer-reviewed articles that present emerging trends, key insights, tutorials, practical experiences, design, and industry-related research & developments of mainstream consumer electronic products, technologies, and related fields of interest to the membership of the IEEE Consumer Technology Society (CTSoc) and broad engineering audience. CEM aims to educate and entertain on general topics related to consumer technologies and electronic products.

Submissions must follow IEEE CEM Template available in IEEE Template Selector<sup>2</sup>, or the LaTeX template is also available on Overleaf<sup>3</sup>, and should consist of the followings: (i) A manuscript of minimum 6-page length (overlength page charges are listed below): A PDF of the complete manuscript layout with figures, tables placed within the text, and (ii) Source files: Text should be provided separately from photos and graphics and may be in LaTeX or Word format. High-resolution original photos and graphics (300 dpi) are required for the final submission. Images embedded in Word or Excel documents are not suitable; however, figures and graphics may be provided in a PowerPoint slide deck, with one figure/graphic per slide.

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The manuscripts must be submitted online to the 'Special Issue on Security and Privacy in Consumer Electronics for Smart Cities' track using the IEEE CEM's IEEE Author Portal<sup>4</sup>. The IEEE Author Portal will automate the generation of a single submission document if the authors have the correct files prepared in advance.

### **OVERLENGTH PAGE CHARGES**

Articles exceeding 6 pages during author proof will be charged at US\$ 250 per page for extra pages beyond first allowed 6 pages.

#### **IMPORTANT DATES**

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