

## Special Issue

# Novel Approaches to Security and Safety Development of Engineering of Cyber-Physical Avionic and Medical Systems

### Message from the Guest Editors

This Special Issue will consist of manuscripts describing recent advances in the understanding and predicting key features of cyber-physical avionic and medical systems (CPAMS). The key features of this domain of software-intensive systems are safety and security. More specifically, the Special Issue is expected to include submissions on co-modeling, simulations, analysis of architectural design of avionic and medical systems, security of situational awareness systems that work with key avionic technologies, such as ADS-B and GPS, used in unmanned aircraft systems (small, medium, large), cyber-attacks detection algorithms and countermeasure methods, and many other new developments that make extensive use of formal methods, the model-based engineering of safety and security critical systems, and risk assessment and mitigations in the design and verification of CPAMS.

---

### Guest Editors

Prof. Dr. Hassan Reza

Dr. Emanuel Grant

Prof. Dr. Naima Kaabouch

Dr. Kouhyar Tavakolian

---

### Deadline for manuscript submissions

closed (31 July 2021)



## Smart Cities

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 14.7



[mdpi.com/si/63620](https://mdpi.com/si/63620)

*Smart Cities*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cities@mdpi.com](mailto:cities@mdpi.com)

[mdpi.com/journal/  
smartcities](https://mdpi.com/journal/smartcities)





# Smart Cities

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 14.7



[mdpi.com/journal/  
smartcities](https://mdpi.com/journal/smartcities)



## About the Journal

### Message from the Editor-in-Chief

As urban environments continue to evolve, Smart Cities serves as a key platform for sharing innovative research that addresses the complexities of modern urban life. Our journal provides a space for interdisciplinary dialogue and knowledge exchange on the latest advancements in smart city technologies and practices. We prioritize research that not only pushes the boundaries of scientific understanding but also has practical implications for improving urban living, sustainability, and governance. We welcome contributions from diverse fields that bring fresh perspectives to urban challenges, from smart infrastructure and IoT integration to data-driven decision-making and sustainable development. Through a combination of rigorous peer-review and rapid publication, we aim to disseminate impactful research that fosters the development of smarter, more resilient cities.

---

### Editor-in-Chief

Prof. Dr. Pierluigi Siano  
Department of Management and Innovation Systems, University of  
Salerno, 84084 Salerno, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Urban Studies) / CiteScore - Q1 (Urban Studies)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.8 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the first half of 2025).