Future Cities and Environment

Call for Papers: Enabling IoT technology for secure and sustainable smart cities

Future Cities and Environment invites you to submit to our special collection, *Enabling IoT technology for secure and sustainable smart cities*.

Smart cities are more than simply an idea or a pipe dream. Many are already operational and expanding rapidly by way of Internet of Things (IoT) solutions. Governments using wireless technology to link people with each other. A smart city is a platform for implementing and encouraging sustainable development techniques to solve growing urbanization concerns. A group of devices connected together, to send/receive data using wireless technology. Traditional aspects of city life are being transformed by secure wireless networking and IoT technologies.

Some functions of the IoT for secure and sustainable smart cities include: To minimize road congestion, traffic signals will analyze the movements of vehicles automatically and then respond to the real time traffic. Vehicles can bind with the parking system so that Electric vehicle charging points route the drivers to the nearest parking area. Smart garbage systems pass the information to waste management corporations automatically and arrange pick-up as needed instead of a predetermined schedule. We can use smartphones as a real time license for Driving and other documents, which allows police services smoother. Cctv cameras, traffic road systems, and public security systems will provide additional safety and emergency assistance in smart cities. Governments, enterprises, software providers, electric utilities, and network service providers all have a role to play in integrating solutions that meet four key security goals: Availability, it is important how data is collected, processed, and shared with security solutions. Integrity, the data should be error free without any duplicates so that it can be processed efficiently. Confidentiality, to prevent unauthorized access to important data, precautions must be taken. Accountability, system's users must be accountable for their activities. These logs should be difficult to tamper with and have a high level of integrity protection. The perceived usefulness of sharing information has far overcome privacy concerns and security failures. By analyzing real-time information several sectors must collaborate to produce superior and sustainable outcomes. To meet these security objectives, authentication and ID management systems must be connected to each other to ensure that access is provided to authorized persons only. Backend systems should be protected from intrusion and hacking using these solutions. Smart city technology is evolving with the expansion and growth of metropolitan areas, boosting sustainability and better serving humanity. Smart cities will develop in the coming years and can only succeed if we have faith in them. Thus this blog invites readers and researchers to have a good understanding of IoT technology for secure and sustainable smart cities.

Topics of interest include, but are not limited to:

1. Emerging trends in IoT technology for the secure and sustainable smart cities
2. Analyzing and evaluating smart cities for IoT based Technology
3. Advances in IoT technology for future of smart cities
4. The Internet of things and key issues for future services for smart cities
5. Challenges and issues faced by Smart cities with IoT technology
6. The future of advanced smart cities with internet
7. Business strategic solutions for smart cities by enabling IoT technology
8. Smart cities: Digital solutions for a more livable future
9. Uprising technology in IoT for smart devices
10. The impacts of smart technology for the future
11. Contributions of IoT technology for secure and sustainable smart cities
12. Growth of IoT technology for the prosperity of smart cities

Submissions

All submissions should follow the author guidelines and will be liable for the journal APC of £500 as described on the journal website. Please state the name of the special collection in your cover letter when you submit your manuscript. If you wish to discuss a proposal, please contact Dr. Iskander Tlili at iskander.tlili@ieee.org.

Important Deadline:

Article Submission Deadline	:	01-August-2022
Authors Notification Date	:	01-October-2022
Revised Papers Due Date	:	01-November-2022
Final notification Date	:	01-February-2023

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