



IET Smart Cities

Accelerating solutions for life-pressing issues

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IET Smart Cities is a new interdisciplinary, open access journal, publishing the latest advances in Information Communication Technology (ICT) for Smart Cities. It includes advanced research that aims to accelerate solutions for life-pressing issues such as traffic congestion, air pollution, health hazards, natural disasters, public safety, utility, housing, etc. so as to improve the quality of life.

Does the journal scope match your research?

The journal addresses standards, technologies, systems, research, implementation, deployment, applications, benchmarking and policy. It also covers various aspects of smart cities, such as smart health, transport, energy, homes, living, environment, etc. This journal, however, will not address civil and mechanical engineering issues.

Topics include:

Smart City Standards and Frameworks

- International Standards for smart sustainable cities
- Standard development efforts by working groups
- Interoperability frameworks of smart cities

Smart City Design, Technologies, and Implementation

Design

- Smart city ICT system design, models, requirements, specifications
- Smart city ICT system architectures, and services
- Roadmaps, blueprints and future directions

Technologies

- Smart city operating systems and software platforms
- Smart city "brain", operations, management and control Platforms
- 5G/NG/NB-IoT/C-IoT Wireless and optical connectivity
- Radio spectrum and backbone networks Networks
- Mobile ad hoc, mesh, LPWAN networks Telecoms,
- IoT, IoX and sensor technologies for smart cities
- V2X, EV, and AV technologies for smart cities
- Cloud and edge computing for smart cities
- Distributed storage and computing for smart cities
- Data centers design for smart cities
- Security protocols, AAA, blockchain, etc. for smart cities
- Data Analytics and Geospatial for smart cities
- Artificial Intelligence and Machine Learning for smart cities
- Neural Networks and Deep Learning for smart cities

Implementation

- Implementation issues and challenges
- Trials, pilots, proof-of-concepts (PoCs)
- Integration, testing and deployment issues

Smart City Measurement, Comparisons and Ranking

- Maturity models and benchmarking metrics
- Rankings and indexes of smart cities
- Performance comparisons of smart cities, etc.

Smart City Verticals and Applications

- Smart Transport
- Smart Homes
- Smart Living
- Smart Health
- Smart Energy & Smart Utilities
- Smart Environment
- Smart Campus
- Smart Banking, Retail and e-Commerce
- Smart City mobile applications
- Society impact and issues

Smart City Governance, Planning and Policy

- City planning, governance, regulations, and frameworks
- City data harvesting and sharing policies

Read more about the journal and submit your paper at:

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Meet the
Editors-in-Chief

Meet the Editors-in-Chief



Prof. William Webb, Webb Consulting Ltd UK

William is an independent consultant at Webb Search and CEO of the Weightless SIG, a body standardizing IoT technology. He was one of the founding directors of Neul, a company developing machine-to-machine technologies and networks, which was formed at the start of 2011 and subsequently sold to Huawei. Prior to this William was a Director at Ofcom where he managed a team providing technical advice and performing research. He has worked for a range of communications consultancies and spent three years providing strategic management across Motorola's entire communications portfolio, based in Chicago. He was IET President 2014-2015. William has published 16 books, 100 papers, and 18 patents. He is a Visiting Professor at Southampton University, a Fellow of the Royal Academy of Engineering, the IEEE and the IET. He has been awarded multiple honorary doctorates by the UK's leading universities and in 2018 was awarded the IET's prestigious Mountbatten Medal for technology entrepreneurship.



Prof. Chai K Toh, National Tsing Hua University, TAIWAN

Prof. Chai K. Toh was Assistant Chief Executive and Group CTO at Infocomm Development Authority of Singapore and VP / CTO of Singapore Power Telecom Ltd, where he co-led the Singapore's Smart Nation program, smart energy, smart utilities, and smart homes programs. He is an advisor to the Smart Cities Council (USA) and was Director of Research for TRW Systems Inc. (USA) and Chief Technology Advisor at ALICO Systems Inc. (USA). Currently, he is the Tsing Hua Honor Chair Professor of EECS in Taiwan and a Council Expert on IoT and Smart Cities for GLG Group USA. He was awarded the IET Ambrose Fleming Medal in 2009, IEEE Kiyo Tomiyasu Award in 2005, his PhD in Computer Science from Cambridge University, UK in 1996 and his BEng(Hons) Electronics Engineering degree from UMIST in 1991. He has published over 100 papers, including the first book on "Wireless ATM and Ad Hoc Networks" in 1997 (Kluwer Academic Press). He is also the author of Prentice Hall Best Seller "Ad Hoc Mobile Wireless Networks" published in 2001. He is a Fellow of IET, IEEE, BCS, and AAAS.

World-leading experts sit on the Editorial Board and ensure that the journal publishes only the very best and most insightful research. For a full list of Editorial Board members, please visit: www.ietdl.org/iet-smc

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✉ For editorial enquiries email: iet_smc@theiet.org

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