



IET Smart Cities Call for Papers

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SPECIAL ISSUE ON: Smart Transport for Smart Cities

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The massive world population growth and continuing urbanization is creating greater and more challenges for achieving smart transport in modern smart cities, together with the trend of urban transformation and mega city construction. There has been an increasing level of demand for faster, safer, and greener transport systems with higher levels of capacity and convenience. Within smart cities, smart transport must be intended as the manner that people access the city with advanced transport modes by advanced monitoring and control. Supporting such an inter-connected, heterogeneous and dynamic transport system requires the adoption of innovative and sophisticated solutions for traffic management and city administration to control the mobility resources and policies and to proactively enhance them.

The purpose of this special issue is to take the opportunity to present current developments, progress, and advancements of smart transport for smart cities, from both theoretical and practical perspectives. This special issue of IET Smart Cities can be a flagship issue to draw the attention of the technical and scientific communities to the smart transport techniques studied and applied in relation to the new smart cities concept.

Topics of interest:

- Intelligent transportation systems (ITS)
- Autonomous vehicles (AV), connected, and cooperative driving systems
- Advanced driver-assistance systems (ADAS) and their impact on smart transport
- Intelligent infrastructure (e.g., smart roads, streets, traffic lights, traffic signs) for transportation systems
- Artificial intelligence (AI) for transportation systems
- Congestion management and cooperative mobility applications
- Traffic information systems, traffic management, analytics, tolling, and routing applications
- Public transport, traveller information, walking, biking, and multimodal transportation systems
- Vehicle-to-vehicle (V2V), vehicle-to-infrastructure (V2I), vehicle-to-everything (V2X) communication modes and internet of vehicles (IoV) for smart transport
- Transportation electrification, advances in electric and hybrid cars, more-electric ships and aircraft, rail systems, and personal transport
- Novel application for cyclists, freight management, and ride-sharing technologies
- Future smart transport roadmaps and transport standards
- Trials and experiments on smart transport

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