



Solutions for the Infrastructure and Transport of Smart City 4.0

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Message from the Guest Editor

The aim of the Smart City is to find the right solutions to improve the comfort and safety of living in cities while reducing its expenses. Improving the living standard of residents and increasing their participation in making important decisions requires the ability to specify their current and future needs, as well as flexible adaptation of the city development strategy to the constantly changing external and internal conditions. Smart cities base their strategy on the use of information and communication technologies (ICT). Modern ICT tools enable data collection, e.g., on the current state of resources and problems of the city and sharing these data in real time.

Therefore, the study summarizes the latest solutions of research teams concerning new functions of buildings, urban spaces as well as new materials and transport technologies, taking into account contemporary and forecasted needs of users. This study presents the developed technical and technological solutions for the creation and modeling of Smart City 4.0 infrastructure in various regions around the world. The presented solutions have utilitarian values and are characteristic of a given region or city.





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