



Smart Cities

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Special Issue Reprint

Paving the Future

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The Reprint of this Special Issue, entitled “Paving the Future: Sustainable Road Design and Urban Mobility in Smart Cities,” focuses on the critical interplay between sustainable road design and urban mobility in smart cities. It aims to explore innovative strategies and technological solutions for designing sustainable, inclusive, resilient, and safe road infrastructures and mobility systems. This Special Issue addresses the multifaceted dimensions of urban mobility, facilitating the development of road design evaluation methodologies that integrate smart vehicle technologies, forecast future traffic scenarios, and offer technological advances for Intelligent Transport Systems. The research presented in this Reprint explores road safety and maintenance management aspects, as well as the operational and safety efficiency of road infrastructure and mobility systems. It also addresses the interaction between motorized and non-motorized road users, aiming to design healthier and safer urban road spaces by proposing inclusive road infrastructure solutions that ensure accessibility for different road users. Additionally, this Reprint covers issues related to road resilience, offering methodologies and insights for assessing road and smart mobility adaptability to disruptions. This Reprint presents methodological approaches, practices, and replicable models based on global case studies, providing valuable guidance to urban planners, road engineers, and decision-makers in smart road infrastructure and sustainable mobility systems design.



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