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Synthesis of Transportation Tech and Multimodal Planning in Smart City Transport Integration

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Abstract: *The integration of transportation technologies and multimodal transportation planning lies at the heart of building smart cities that are efficient, sustainable, and resilient. This abstract explores the synergies between emerging technologies and comprehensive multimodal transportation strategies within the context of urban development. By seamlessly integrating technologies such as Internet of Things (IoT), artificial intelligence (AI), and data analytics into transportation infrastructure, cities can optimize traffic flow, enhance safety, and improve overall mobility experiences for residents and visitors. Furthermore, multimodal transportation planning, which considers the seamless coordination and connectivity between various modes of transportation including public transit, cycling, walking, and shared mobility services, becomes instrumental in fostering a more integrated and inclusive urban mobility ecosystem. This abstract delves into the key components and benefits of integrating transportation technologies with multimodal planning in smart cities, highlighting the potential to reduce congestion, minimize environmental impact, and enhance accessibility for all citizens. Through case studies and analysis, it demonstrates how such integration can lead to more efficient transportation systems that support economic growth, social equity, and environmental sustainability in the urban landscape of tomorrow.*

Keywords: Transportation Technologies, Multimodal Transportation Planning

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