

Low-Emission Commuting with Micro Public Transport: Investigation of Travel Times and CO₂ Emissions

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Abstract : The omnipresent trend towards sustainable mobility is a major challenge, especially for commuters in rural areas. The use of micro public transport systems is expected to significantly reduce pollutant emissions, as several commuters travel the first mile together with a single pick-up bus instead of their own car. In this paper, different aspects of such a micro public transport system are analyzed. The main findings of the investigations should be how the travel times of commuters change and how many CO₂ emissions can be saved if some of the commuters use public transport instead of their own vehicle.

Keywords : micro public transport, green transportation, sustainable mobility, low-emission commuting

Conference Title : ICSPTSEI 2022 : International Conference on Sustainable Public Transport Systems and Environmental Impacts

Conference Location : Amsterdam, Netherlands

Conference Dates : January 21-22, 2022