



The Transition to a Low-Carbon, Smart Mobility in a Sociotechnical Context

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Message from the Guest Editor

The net result of the dominance of economic growth based on efficient transport has been high levels of mobility that lead to high carbon mobility. The total dependency of motorized transport on oil creates significant implications for emissions and in particular CO₂. Transport accounts for about 24 per cent of global CO₂ emissions, and over than 61 per cent of oil consumption. Car-based mobility is dominant, creating a specific sociotechnical context. Cities are facing long-term challenges in the domains of mobility and its links to urban form revolving around the issues of congestion, accessibility, and sustainability. The basic concept of solutions is based on the framework of avoid–shift–improve directions.





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