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Introducing Future Smart Transport Solution for Women with Disabilities: A Review with Chongqing as the Focal Example

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Abstract : This paper outlines the travel challenges, the absence of society, and studies around disabled women and chooses the Chongqing area as a case study to explore how terrain characteristics and city construction influence our subject's travel choice. It also highlights future transport options and the necessity of addressing the difficult travel position of women with disabilities. This study focuses on the travel demands of women with disabilities, illustrating what their ideal method of travel would be. An analysis of related smart cities like Hong Kong illustrates the aspects to consider in the reconstruction of Chongqing. Finally, relying on current smart city modelling approaches, several design ideas for assistive tools are suggested for the safety of women with disabilities during travel.

Keywords : future smart city, disabled women, Chongqing, inclusive design, human-computer interaction
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