

## ABSTRACT SUBMISSION FORM

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### Paper Details:

<b>Presentation title:</b>	The innovative empowerment of Invercargill's slower walking pedestrian demographic
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#### Overview of Presentation

7 crosswalks in Invercargill are trialling the Dual Pedestrian Crosswalk System for traffic signals. The system caters for our vulnerable, slower walking demographic. The system is designed to reduce both the physical and psychological barriers of crossing wide, heavily trafficked roads. This system is breaking new ground in the transportation industry by providing a choice of two pedestrian clearance times. A normal button push provides the standard time for Invercargill's faster walking demographic. A prolonged button push of 3 seconds provides a longer time for Invercargill's slower walking demographic. A voice message system is activated on every button push advising users of the longer time choice and how to demand it. Braille is on the push button advising of the need to hold button in for 3 seconds. The call unit emits a 'be beep' noise and a red light activates when the longer time has been empowered. Importantly, the system is self-explaining. It educates and trains all blind persons and those persons unfamiliar with it. Results to date show that 32% of pedestrian demands are for the longer time. These results indicate that the system is comprehended and being used correctly by the majority of users.