



**Design.  
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IPENZ Transportation Group  
Conference 2016  
Auckland 7-9 March

Pullman Hotel, Auckland



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**All presenters are expected to register to attend the Conference.**

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### Paper Details:

Presentation title:	Visualising public transport accessibility for walking and cycling
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### **Overview of Presentation** (200 word maximum)

*Include details of topic scope, key findings, and any issues for discussion or further investigation*

Providing convenient and safe access to public transport stations is an important means to increase accessibility and improve public transport patronage. It is important to assess accessibility on a fine-grained level and a visual assessment of the walking and cycling catchments around public transport stations is the easiest way to communicate this level of accessibility. Using open-source web-based tools, we generated and visualised walking and cycling catchments to Auckland's public transport stations for public use and input, available here: <http://catchies.mrcagney.webfactional.com/>. With this website, one can visualise, inter alia, the walking catchments for each station in Auckland as well as underlying information such as population, catchment area and walking and cycling injuries. Further enhancements will be made to this tool prior to the Conference and it will be demonstrated during the authors' presentation. After the desktop analysis, it was necessary to 'ground-truth' the visualisations with on-site investigations to identify any physical or safety barriers to walking and cycling within the catchments to better design for station access. Using New Lynn and Glen Innes stations as examples, physical interventions were proposed to enhance the walking and cycling experience and accessibility to these locations.

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