

Then. Now.  
Tomorrow.

21 – 23 March 2018  
Millennium Hotel  
Queenstown

Transportation Group  
Conference 2018



## Ralph Samuelson



Prior to joining the Ministry of Transport in 2015, Ralph Samuelson was Vice-President/Chief of Research at the Asia-Pacific Energy Research Centre in Tokyo, Japan from 2009-2014. From 2004-2009 he was with the NZ Ministry of Economic Development, where he was lead author of the "New Zealand's Energy Outlook to 2030".

He has a Masters in Transportation Systems from M.I.T, a Ph.D. in Engineering-Economic Systems from Stanford, and more than two decades of experience doing energy and transport modelling.

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### New Zealand Transport Outlook: Future State

This session will summarise some key insights from the Ministry of Transport's "New Zealand Transport Outlook: Future State". The Future State document is currently in its final review, and is due to be released in late 2017.

The Future State is the product of a significant modelling effort, which aims to identify some of the key trends and uncertainties that will influence the development of the transport sector to 2042 and to offer an initial set of alternative scenarios for how the future might unfold.

This presentation will look at trends and uncertainties including the impacts of population and economic growth, growing numbers of overseas visitors, the ageing population, the increasing popularity of inner-city living, the likely adoption of new technologies including self-driving vehicles, electric vehicles, shared-mobility concepts, as well as larger container ships. In addition to projections of travel and freight demand by mode and region, impacts examined include congestion, greenhouse gas emissions, and health outcomes.

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It will also include a sample of results from the Outlook's models for five alternative future scenarios. In addition to alternative assumptions about the trends discussed above, the scenarios vary in their assumptions about the distribution of population growth around the country and whether demand management road pricing is adopted in Auckland and Wellington.