



## Joint Institutions Breakfast Event

“Engineering and Innovation for New Zealand in a Changing Global Context”

Presented by

**Andrew Rushworth**

**Managing Director of Zero Emission Vehicles Limited**

**When:** 7:15am for 7:30am start on 14 October 2020

**Where:** Wellesley Boutique Hotel, 2 Maginnity Street, Wellington 6011

**Cost:** \$15.00 for members of any of the three hosting institutions, \$30.00 for any non-member guests.

**RSVP:** Essential to [murray.milner@xtra.co.nz](mailto:murray.milner@xtra.co.nz) (numbers are limited so first in first served for registrations)

All members and guests of the IEEE Central Section, IET Wellington Network and ENZ Wellington Branch are welcomed to a special event, hosted by all three institutions on the morning of 14 October 2020 in Central Wellington. The guest speaker for this event is Andrew Rushworth, Managing Director of Zero Emission Vehicles Limited who will address Engineering and Innovation for New Zealand in a Changing Global Context as it relates to the expansion of commercial electric vehicles in the New Zealand market.

*It will be recognised that this event is being held in unusual times. With COVID-19 present in the environment members safety is our priority, so we have worked closely with the venue to ensure that appropriate safeguarding and hygiene measures are being followed. Please do not attend this event if you feel unwell, are displaying any symptoms of the coronavirus or believe you may have been in contact with someone with the virus. The event is being organised in compliance with NZ COVID-19 Level 2 Alert conditions, with spacing and sanitising appropriate to this level. If the Level increases above 2 then the event will be cancelled. If you have any questions, please contact the event organiser as provided above for details.*

## Abstract

Andrew will describe some of his experience with innovation and engineering related to the introduction of new technology into the New Zealand market. This will focus on his particular interest in the technical and commercial development of commercial electric vehicles but will cover a wider range of experience with strategic collaboration related to R&D and market development both in New Zealand and offshore.

Based on his recent experience, he will indicate some changes that he is seeing in the global market which will impact on New Zealand. Supply chain changes driven by both negative reactions to globalisation and more recently the COVID-19 pandemic is starting to impact on the way we need to do business in New Zealand. These affects are impacting on both the introduction of new technology into the New Zealand market and the ability for New Zealand businesses to export technology into international markets. Cooperation and collaboration between all parties involved in research, product development and market development are becoming critical for success. Within this mix, the role of sound governance and the nature of inputs from Government is becoming crucial.

All these factors will be touched on by Andrew in his presentation, based on many years of experience in working in this field involving the intersection of engineering, innovation, market development and strategic collaboration.

## Introducing Our Speaker

Andrew has over 30 years developing and marketing technology for international markets. During this period, he has led the strategic design, development, and marketing of new technology projects for multiple global corporations. He founded and led an entrepreneurial technology development business undertaking complex automation and information projects and designing innovative new products. Over the course of his global career, he has established extensive business networks nationally and internationally.



Andrew has extensive knowledge of markets around the globe for the introduction of new, often disruptive, technology initiatives. These include everything from contactless payment systems in South Africa to intelligent digital video monitoring systems in Malaysia to automated fuel additive dosing in Mexico. He has built up deep expertise in how innovation is created and the critical role of investment in its commercialisation across a wide range of markets and industries.

Andrew is typically involved at a strategic level where his combined technical and market knowledge provide, along with his leadership, the greatest benefit. In 2005-2009, he was brought on to Indian-based multinational Larsen & Toubro to revitalise a non-performing business unit, which he achieved through the introduction of both product and process, which included training and mentoring key engineers from India in New Zealand.

Since 2010 Andrew has been the Managing Director of Zero Emission Vehicles Limited (ZEV), a consortium of Manawatu-based companies bringing together a spectrum of engineering disciplines to design and build electric heavy vehicles. With ZEV, Andrew was responsible for the first fully battery-electric truck deployed into commercial operation in New Zealand in 2013 and is now overseeing further domestic launches as well as ZEV's first foray overseas with electric vehicles for the Australian mining industry.