

Speakers



Thomas Hyde
Beca Group Director

During his 22 years at Beca, Thomas' satisfaction has come from solving complex problems for clients and the business, and making things better as a result. This consulting activity has given him exposure to client organisations around the world, gaining an appreciation of retail, pharimatech, utilities, infrastructure, defence, food and beverage, pulp and paper, mining and metals, airports, and manufacturing, amongst others, both in the public and private sectors. Through this he has developed expertise in an eclectic mix of technical and business subjects, and with his executive roles, including a recent appointment to executive director, is enjoying applying this knowledge to shaping the future of the business.



Dr Cheryl Doig
Think Beyond

Cheryl is a leadership futurist who sees exponential technologies as an opportunity to amplify our human characteristics. She challenges organisations to think differently in order to adapt to a rapidly changing and complex world. In 2017 Cheryl was a finalist in the Westpac Women of Influence Awards, in the Innovation and Science category. She sees this recognition as an opportunity to continue influencing young women to grow as leaders and entrepreneurs. Cheryl is currently a Board Chair of the NZ Brain Research Institute, Establishment Board Chair of Haeata Community Campus and serves as a trustee for Limitless and Food for Thought Trusts. Cheryl is a member of the NZ Institute of Directors, Association of Professional Futurists and the World Future Society.



Martin McMullan
NZTA Connected Journey
Solutions Director

Martin McMullan is the NZ Transport Agency's Director of the Connected Journeys group working create an environment that embraces the Transport Revolution though its digitalisation. Responsible for Transport related technology and systems including ITS, Mobility as a Service, automated platforms, software based optimisation and our Innovation communities through NZTA's Innovation Zone located in Auckland.

Presentations

All presentations that we have permission to publish will be available after the event. If you would like a copy please contact:

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The Future Of Urbanisation

Beca House, 21 Pitt Street,
12.00 - 3.00pm, May 21st

[Delegate Handbook](#)

make
everyday
better.

Techweek

New Zealand's technology and innovation sectors are growing rapidly, and Techweek fosters that growth by providing the national ecosystem with a week-long opportunity for connection and cross-pollination, and an independent platform through which to amplify New Zealand's unique and inspiring innovation stories to the world. The theme for Techweek'18 is 'Innovation That Is Good For The World'.

Beca

At Beca our vision "creative people together transforming our world", has been powering what we do for more than 98 years. Together with our clients we are transforming communities and changing lives. As we approach our centenary in 2020, we felt an important question still had to be answered – our why? It became clear that we all come to work to make both the everyday and every day better in some way for our clients, our communities and our colleagues. Our work impacts the everyday lives in our communities – we make the everyday better - a theme that is perfectly aligned with Techweek.

The Future of Urbanisation: Make Everyday Better 12-3pm 21st May Auckland

Explore the future of urbanisation:

The exponential pace of technological change is already impacting on the way we live, work, travel, relate to each other, and engage with the infrastructure that surrounds us. As part of the Good for the World Open Days event, Beca is delighted to be opening up their doors for a dedicated session exploring the Future of Urbanisation to offer insights and discussion from leading thought leaders and an interactive tech-expo.

Keynote speakers and panellists will discuss:

- What innovation will have the greatest influence on cities in the coming decade?
- New times require new skills: What are the challenges to humanity as technology accelerates and what are the implications for organisations trying to navigate these complex times?
- The Future of Transport: Moving people not machines – Mobility as a Service (MaaS).
- How IoT can address a range of urban infrastructure issues, climate change, transit, utilities, and mobility challenges.
- How AI can interface with the travelling public to generate traffic planning insights.

Agenda

12.00 - 12.30

Light lunch and registration

12.30 - 12.35

Welcome - (MC TBC)

12.35 - 1.00

Building A Better Tomorrow
– *Thomas Hyde, Executive Director - Beca*

Explore how technology can engage people in all aspects of creating the infrastructure of the future with the beauty, livability, sustainability and vibrancy we want for ourselves, our children and future generations.

1.00 - 1.25

**Human and Technology as Partners:
Creating a Better World – Dr Cheryl Doig**

If we truly want to use technology to create a better world we must amplify the strengths that make us 'uniquely human'. The exponential pace of technological change is already impacting on the way we live, work and relate to each other. Rather than trying to compete with machines we should focus on being emotionally intelligent, adaptive and relevant. New times require new skills. What are the challenges we face as technology accelerates? How can we use technological opportunities to enhance humanity? What are the implications for organisations trying to navigate these complex times?

1.25 - 1.50

The Future Of Transport (MaaS)
– *Martin McMullan, Director, Connected Journeys - NZTA*

Cheap fossil fuels have underpinned today's transport system, with cities being planned for cars rather than people. But this is both undesirable and unsustainable. In this session we discuss the complexity of the challenges and solutions to safe and sustainable urban transport.

1.50 - 2.30

Panel Discussion: How Applied IoT Technology Can Make Every Day Better

Martin McMullan – Director Connected Journeys - NZTA

Sue Bradley – Global Delivery Manager - Beca

Matt Ensor – Business Director - Beca

In this session our audience are invited to discuss with the panel how some technologically advanced cities are using Internet of Things (IoT) platforms to monitor city infrastructures managing everything from traffic flows and parking to water and air quality and using the resulting smart data generated to tackle longer-term planning decisions around environmental issues and challenges such as global warming. Can these technologies be applied to New Zealand's cities? What are we already doing?

2.30 - 3.00

Interactive Tech Expo

Join Vaughan Robertson, Group Manager - Technology Strategy at Beca and his team as they provide practical demonstrations of the technology Beca use to make every day better. Delegates can participate in interactive demonstrations utilising Augmented (AR) and Virtual Reality (VR), 360 Imagery and Point Cloud technologies for Reality Capture, UAV (Drone) Data Capture and Cloud-based analysis – all applied technologies that Beca deploys to make every day better for our clients.

Join Matt Ensor for an AI Traffic Bot demonstration.