

Virtual Digital City Infrastructure: IoT

Expanding and enhancing existing IoT ecosystems

Online → Tuesday, 20 July 2021 | 11:00am AEST

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Agenda Overview

Within the past year, our cities have seen massive changes in citizen behaviour, with usage and demand becoming increasingly difficult to predict.

With fluctuating data across transport, infrastructure and service delivery, the public sector has had to rethink how cities operate and find new ways to gain insights and predict demand. Luckily, as citizens have become reliant on smart devices to remain connected in isolation, existing IoT infrastructure has been enhanced by a growing number of connected devices.

Public Sector Network's virtual **Digital City Infrastructure: IoT** event will explore how connected devices born out of isolation can help cities to operate throughout everchanging conditions. By utilising the emerging IoT ecosystem, both state and local governments can use both privately and publicly owned connected devices to better predict demand and inform decision making.

CHAIR:



Colin Fairweather
Adviser
Public Sector Network

Who Attends?

Chiefs/Directors/Heads/Managers of:

Technology | Digital | IoT | City Systems
Future Mobility | Data & Analytics | City Services

Speakers



Miguel Sangalang
Director, Bureau of Street Lighting
City of Los Angeles (USA)



Greg Bruce
Chief Sustainability Officer,
Townsville City Council (QLD)



James Pearson
Chief Executive Officer,
City of Joondalup (WA)



Joshua Sattler
GM Innovation, Growth and
Development Services,
City of Darwin (NT)



Professor Pascal Perez
Director, SMART Infrastructure Facility,
University of Wollongong (NSW)



Lee McKenzie
Lead, Future Mobility,
New Zealand Transport Agency (NZ)



Gary Tsang
Commercial and Strategy Director,
OneWiFi & Infrastructure

Reasons to Attend

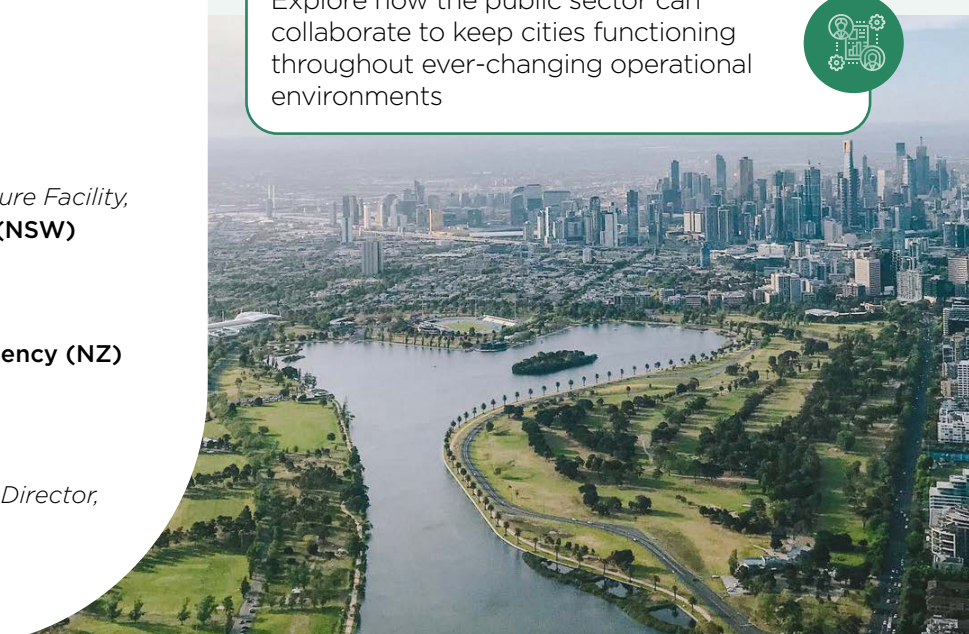
Leverage a range of existing and emerging connected devices to expand and develop your city's IoT network



Use smarter methods of data collection to extract analytics, inform decision making and predict demand across mobility, infrastructure and service delivery



Explore how the public sector can collaborate to keep cities functioning throughout ever-changing operational environments





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11:00am	PSN Welcome
11:10am	Chair Opening Future cities and IoT: How connected devices are enabling the new normal <ul style="list-style-type: none"> Showcasing how IoT has expanded and improved throughout COVID, touching on several case studies including contact tracing, automated supermarkets and smart home devices Brainstorming new methods of data collection and analysis as citizen behaviour continues to fluctuate throughout Australia's cities Colin Fairweather , <i>Adviser, Public Sector Network</i>
11:20am	International Keynote Using sensors and lighting infrastructure to make a smarter, safer city <ul style="list-style-type: none"> Reviewing several projects undertaken by the Los Angeles Bureau of Street Lighting, including the City's Transitional Lighting Zones (Smart Lights) and Air Quality Sensors Exploring how the Bureau has partnered with industry and across government to realise the benefits of remote monitor and IoT devices to drive liveability outcomes for citizens Miguel Sangalang , <i>Director, Bureau of Street Lighting, City of Los Angeles (USA)</i>
11:35am	Partner Session Smart meters: Data-informed energy supply to meet demands and avoid wastage
11:50am	Government Case Study Investing in IoT to grow innovation and entrepreneurial ecosystems in local economies <ul style="list-style-type: none"> Reviewing how the City of Joondalup is driving local economic development through business investment, innovation and entrepreneurship Exploring how IoT is being leveraged with other smart cities initiatives in various projects, including the Joondalup Learning Precinct, Joondalup Health Campus and WA AustCyber James Pearson , <i>Chief Executive Officer, City of Joondalup (WA)</i>
12:05pm	Partner session Smart Infrastructure for Smarter Cities <ul style="list-style-type: none"> Smart Infrastructure is a key enabler for Smart Cities to support different IoT use cases, from low powered devices to high bandwidth applications Opportunities to leverage Smart Infrastructure and shared network model to drive benefits, realise cost savings, maximise return on investment, and achieve harmonisation Smart Infrastructure beyond connectivity to support remote technology management and powerful digital community engagement Gary Tsang , <i>Commercial and Strategy Director, OneWiFi & Infrastructure</i>

12:20pm	Government Case Study Implementing affordable and maintainable sensor networks to assist with managing environmental challenges and engage business, students and government <ul style="list-style-type: none"> Install and utilise multi-sensor IoT to help tackle Townsville's waterways challenges and increase disaster resilience, including using image processing technology Driving economic development by reshoring IoT manufacture and partnering with local start-ups, creating future ready jobs for the local community Developing a city-wide, open access API network for school students to learn about environment and integrated with STEM Greg Bruce , <i>Chief Sustainability Officer, Townsville City Council (QLD)</i>
12:35pm	Refreshment Break
12:40pm	Panel Session The next generation of IoT: Forecasting trends and technologies <ul style="list-style-type: none"> Visualising the future of IoT and considering diversified connectivity options beyond 5G Exploring how city IoT can integrate with both public and private devices, including smart phones, satellites, drones and AI Empowering industry, academia and government to work together to develop IoT capabilities for future cities Joshua Sattler , <i>GM Innovation, Growth and Development Services, City of Darwin (NT)</i> Professor Pascal Perez , <i>Director, SMART Infrastructure Facility, University of Wollongong (NSW)</i> Lee McKenzie , <i>Lead, Future Transport, New Zealand Transport Agency (NZ)</i>
01:00pm	End of Conference

Partners



Sponsorship packages range from \$2,500-\$10,000 +GST.
 Contact sponsor@publicsectornetwork.co for more info.