



AGENDA

Day 1 - 28 August 2019

 **08:00 - 08:50**
REGISTRATION **08:50 - 09:00**
MC OPENS **09:00 - 09:30**


This speed networking session will allow delegates to introduce themselves and swap business cards with those they are seated with and other summit attendees.

 **09:30 - 09:50**

Opening Address by City of Melbourne

City of Melbourne lighting aims to enhance people's experience of the city after dark, while ensuring responsible energy use. It promotes improvements to safety and amenity, especially for pedestrians. In doing so, it also recognises that people's sense of wellbeing results from a complex mix of factors. At night, these include way-finding and visual comfort, as well as road safety and personal security.

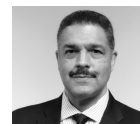
Ian Dryden, Principal – Industrial Design, City of Melbourne

 **09:50 - 10:20**

Lessons from Los Angeles – Benefits of Connected & Smart Lighting

- Realized benefits of HID to LED conversions
- Remote monitoring applications and it's evolution
- Smart City in Los Angeles past, present and future

Kerney R Marine, Assistant Director - Bureau of Street Lighting, City of Los Angeles, USA



🕒 10:20 - 10:50

Exploring The Influence Of Norway On The EU

- Strategic Roadmap 2025 of the European Lighting Industry
- Smart Lighting for Humans
- The Nordic light

Katia Valerie Banoun, Managing Director, Lyskultur, Norway



🕒 10:50 - 11:20
TEA BREAK

🕒 11:20 - 11:50

San Diego's Smart Lighting Upgrade

- Largest deployment of IoT in a North American city
- Using streetlights to transform how the City provides services
- How streetlighting data is changing lives
- San Diego's future plans for IoT and data driven service delivery

Erik Caldwell, Deputy COO - Smart and Sustainable Communities Branch, City of San Diego, USA



🕒 11:50 - 12:20

Delivering Smart Technology to the NT

- Switching on Darwin projects Scope and System over view
- Impact to Darwin City Centre activation
- Importance of lighting system for Smart Darwin
- Captured data and the impact of the lighting system for data accuracy
- City of Darwin Strategic Plan

Maz Khosravi, Project Portfolio Manager Innovation, City of Darwin



🕒 12:20 - 12:40

Lighting & Cinema; an Historic Inspiration for Lighting Design

- Some examples of how light in film has been used to influence emotion, to focus attention, enhance textures, create drama/harmony
- Classic films case studies; what the directors and cinematographers (DOPs) did and why and how this might be something that can be taken into commercial lighting schemes
- Showcase some of my past lighting designs that were directly influenced by particular films...some of which the clients knew, some of which they didn't..

Martin Valentine, Global Design Director, LIGMAN



🕒 13:40 - 14:10

Street Lighting National Program (SLNP): Unburdening Indian Cities



- Role of Street Lighting in making a city safe
- Necessity for energy efficient street lighting in India
- Constraints faced by cities in implementing LED street lighting
- Overcoming the barrier through EESL's Innovative Solutions
- SLNP – Transformation of street lighting services in India

Santosh Thakur, General Manager, Energy Efficiency Services Limited, India

🕒 14:10 - 14:40

Investigating electricity distribution network benefits of smart lighting technology



SA Power Networks' Smart Lighting / Smart Network Pilot is investigating the extent to which smart streetlights deployed for local council lighting projects can also provide useful data, e.g. on voltage levels, that can assist with managing the electricity distribution network. This presentation will cover: the service specification, how and why we developed it as we did; some interesting aspects of the procurement process; a description of the smart lighting /smart network pilots and our engagement with relevant councils; our experiences to date; and our consequent view to the future, including options to leverage broader smart city technologies and to explore the basis for commercial arrangements with customers.

Tom Walker, Manager Commercial Corporate Strategy, SA Power Networks

🕒 14:40 - 15:30

PANEL DISCUSSION

Lowering the Costs of Street Lighting: Who You Gonna Call?

What have been the most effective actions to lower the costs of street lighting? Why are some councils saving millions every year and others costs keep escalating?

Who do you call and when? **AER, AEMO, AEMC, Ghostbusters, NER, COAG?**

Are you confused when it comes to the role of the leading regulators and market operators in Australia's energy market? How do they directly impact the cost of street lighting and how can they help customers?

From councils starting their smart lighting journey to those who have been around for decades, it is common for hours wasted seeking "lighting approval information from AER", "an understanding of the latest technology from AEMO" or "an update from AEMC on the latest in Type 8 metering and dimming". All of course are questions asked to the wrong organisation.....

This interactive panel will answer your questions and profile what works and who is saving the most money in street lighting and why.

Facilitated by Paul Brown, Australia's most experienced lighting expert who has worked with councils and national regulators and operators for decades.

Craig Madden, Senior Regulatory Manager, Price Monitoring and Regulation, Essential Services Commission

David Ripper, Principal Metrology Engineer, Australian Energy Market Operator (AEMO)

Paul Brown, Managing Director, Ironbark Sustainability

Scott McHenry, EAGA Executive Officer, Maroondah City Council

Tom Walker, Manager Commercial Corporate Strategy, SA Power Networks



🕒 15:30 - 16:00
TEA BREAK

🕒 16:00 - 16:20

Smart Lighting as A Foundation for A Smart City

Adam Beck, Executive Director, Smart Cities Council Australia New Zealand



🕒 16:20 - 16:40

Newcastle Smart City



- Meeting the needs of a future city:
 - City as an experimental platform
 - City as a data common
 - City as a personal service
- Smart poles as a foundation for "smart" deployment of "smart" city technologies.
- Challenges of installing a Council owned electrical and fibre optic network to drive smart poles and technologies.
- Lessons learnt from the rapid deployment of Smart City lighting and Infrastructure.
- Creating a renewable powered smart city

Steele Adams, Program Coordinator – City Innovation and Sustainability, City of Newcastle

🕒 16:40 - 17:20

PANEL DISCUSSION

Incorporating Intelligent Lighting Systems

Working within a budget whilst upgrading your technology can be a draining and time-consuming task, there is no single system that will suit every region.

- When addressing the process of integrating a connected smart lighting system, the initial challenges lies with the budget, what funding avenues are available?
- Do we really NEED all these capabilities?
- Why are we implementing these changes? Is this beneficial to the council and its residents?
- Are we planning for long term use and future advancements?



Adam Beck, Executive Director, Smart Cities Council Australia New Zealand

Brendan Lloyd, City Safe Technical Officer, City of Greater Geelong

David Klingberg, Director and Principal, Smart Planning and Design

Michelle Van Gerrevink, Sustainability Co-ordinator, Glen Eira City Council

Steele Adams, Program Coordinator – City Innovation and Sustainability, City of Newcastle

🕒 17:20 - 17:30

DELEGATE CHOICE AWARDS



Ian Dryden, Principal – Industrial Design, City of Melbourne

🕒 17:30 - 17:45

Address by Cocktail Sponsor



Cuono Biviano, Managing Director, ULA Group

🕒 17:45 - 17:50
MC CLOSES

🕒 17:50 - 18:50
COCKTAIL NETWORKING FUNCTION



Day 2 - 29 August 2019

🕒 08:25 - 08:50
REGISTRATION

🕒 08:50 - 09:00
MC OPENS

🕒 09:00 - 09:30

Speed Networking

This speed networking session will allow delegates to introduce themselves and swap business cards with those they are seated with and other summit attendees.

🕒 09:30 - 10:00

The Evolution of Lighting



Solid state lighting has ushered in a revolution in the industry. In the space of a few short years lighting has undergone a transformation unheralded since electric light was invented. Bryan's presentation will examine the implications of this transformation from a Global Lighting Association perspective and present some thoughts on lighting of the future.

Bryan Douglas, Secretary General, Global Lighting Association

🕒 10:00 - 10:30

Smart Lighting SA – Making Way For The Future



- A regional approach to LED Lighting and the lessons learned.
- Engagement of Iron Bark Sustainability to facilitate development of a business case; planning and design of the roll-out; future proofing; implementing a design framework to assist with future decision making; and project management and auditing.
- Undertaking a lighting compliance assessment of current lighting as part of the LED upgrade project.
- Procurement of lighting i.e. the first council in SA to supply the lighting to SAPN.
- The use of Smart Lighting in two projects: Cycling Routes and Open Spaces.

Peter Tsokas, Chief Executive Officer, City of Unley

🕒 10:30 - 10:50

Bluetooth® – Make the Lighting Smart and More



Bluetooth technology, as a major connectivity method world widely, plays an important role of IoT, it's well adopted by audio stream, smartphone/tablet, automotive and connected device. More than that, Bluetooth mesh makes Bluetooth support mesh network topology and lighting industry is a target area for it. Moreover, the new enhancement of latest Bluetooth core specification release make Bluetooth support Direction Finding, it also has big influence on bringing value-added applications based on smart lighting platform. In this speech, Bluetooth SIG will introduce all of these new features and what can they bring to lighting industry.

Kai Ren, Senior Developer Relations Manager, APAC, Bluetooth Special Interest Group

🕒 10:50 - 11:20
TEA BREAK

🕒 11:20 - 11:50

ACT Smart Street Lighting Deployment



- The ACT Government is committed to achieving a 40% reduction in greenhouse gases from 1990 levels by 2020 and achieve zero emissions by 2050.
- The solution offered by Omexom (VINCI Energies' Electrix) in response to the ACT Government approach to market is delivering a complete management solution for streetlights, delivering energy reduction (48%), as well as a 'backbone' platform for future Smart City options.
- This is the first contract in Australia to combine smart LED streetlight installation, smart city network implementation and overall infrastructure management
- It is also the first street lighting project to be carried out under an Energy Performance Contract. The long-term nature of the contract has promoted strong collaboration between the ACT Government (Transport Canberra and City Services), Omexom and the local distribution network services provider.

Michael Rosetta, Project Manager, Electrix

🕒 11:50 - 12:20

Alight at Night – Interactive Light Installations

- Creating captivating visual installations by intertwining public involvement and smart lighting fixtures.
- Outdoor lighting-based artwork serves the public by encouraging community involvement and communication whilst reinforcing a sense of safety, comfort and elation

Lucy Keeler, Vivid Light Curator, Vivid Sydney (Destination NSW)



🕒 12:20 - 13:00

PANEL DISCUSSION

Blue Light - Green Light or Red Light? One Year On!

In late 2018, the Summit facilitated a panel of experts from diverse backgrounds. Instead of the standard industry spiels, this was the first time a lighting conference brought together scientists, councils, dark sky and astronomers and suppliers. Facilitated by Ironbark's Alexi Lynch, the 2018 panel was to bring some nuance to the discussion surrounding "healthy" lighting. The panel openly discussed issues and controversies around LEDs, health and blue light; realistic goals for lighting temperature; legal implications for councils and DNSPs; and where do we go from here. With the latest from around the world, including the news from France where new lighting must be below 3000K, we re-introduce the panel with some new faces to see what's changed in 12 months.

Alexi Lynch, Business Manager, Ironbark Sustainability

Dr Christopher Lidman, Head of National Facilities Support, Australian Astronomical Observatory

Dr Thérèse Jones, Senior Lecturer - School of BioSciences, University of Melbourne

Ian Dryden, Principal – Industrial Design, City of Melbourne

Martin Valentine, Global Design Director, LIGMAN



🕒 13:00 - 14:00
LUNCH BREAK

🕒 14:00 - 14:30

Driving, Visibility And LED Streetlighting: Findings From On-Road Studies

Dr Gillian Isoardi, Lighting Scientist, Light Naturally

Prof. Joanne Wood, Faculty of Health, School – Optometry and Vision Science, QUT



🕒 14:30 - 14:50

Health x Smart LED Lighting

Dr Andrew Phillips, Senior Lecturer, Monash University



🕒 14:50 - 15:30

PANEL DISCUSSION

Exploring the Balance Between Innovation and Sustainability in Lighting

A big challenge faced when designing public lighting infrastructure is combining sustainable equipment with a desirable and innovative appearance. This panel discussion invites speakers from both ends of the field to come together to explore the balance that can be found between innovation and sustainability in outdoor, public, street and urban lighting projects.

Clancy Philippe, Strategic Infrastructure Planning Engineer, City of Greater Dandenong
Dave Anderson, Specialist Lighting Team Lead, ADP Consulting Pty Ltd
Erik Caldwell, Deputy COO - Smart and Sustainable Communities Branch, City of San Diego, USA
Ian Johnson MIES, Lighting Lecturer, RMIT University
Nicholas Burnham, Design Principal, Senior Associate, NDYLight Lighting Design
Paul Swift, Sustainable Environment Officer, City of Stonnington



🕒 15:30 - 16:00
TEA BREAK

🕒 16:00 - 16:20

Consequences of Artificial Light Pollution on A Nocturnal Mammal

Dr Kylie Robert, Senior Lecturer, Department of Ecology, Environment & Evolution, La Trobe University



🕒 16:20 - 16:40

Where Are We Now?

The first step in creating greatness is to establish that something is possible. What does Melbourne's streetscape currently look and feel like at night? We take a magnified view to understand its imperfections, perfections and opportunities. As we move into the future what is our collective goal and what steps can we take now to maximise the potential of achieving this goal?

Jackson Stigwood, Design Director, A Billion Suns



🕒 16:40 - 16:50
MC CLOSÉS

Agenda is subject to change
*Speakers to be confirmed

An Event by:



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