

#SLSC19

4TH INTERNATIONAL
**STREET LIGHTING+
SMART CONTROLS**
CONFERENCE
GET SMART CITY READY

2019

2-4 April 2019

International Convention Centre, Sydney, NSW
www.streetlightingconference.com.au

Draft Programme

The 4th International Street Lighting + Smart Controls Conference will show how we can achieve economic, energy and environmental savings and at the same time increase community safety, reduce road incidents and improve the liveability of our cities and towns. It will address the latest international and local developments and future trends that, as an industry stakeholder, you need to know about.

WELCOME

Tuesday 2 April 2019

5:00pm – 6:30pm Traffic Technologies and Itron Welcome Reception

Dress: Smart Casual

Location: Trade Area, Parkside 1, ICC Sydney



DAY 1

Wednesday 3 April 2019

7:00am – 8:00am Conference Registration

Light breakfast available in the Trade Exhibition (*Parkside 1*)

8:00am – 8:25am Conference Opening and Welcome (*Cockle Bay Room*)

8:25am – 10:00am **COMMUNITY AND LOCAL GOVERNMENT BENEFITS**

1 **How the City of Chicago sees smart street lighting improving urban liveability** – Ms Danielle DuMerer – Chief Information Officer and Commissioner, Department of Innovation & Technology, City of Chicago, Illinois, USA. ([Via video link](#))

2 **What can Australia learn from the US?** – Interview with Ms Danielle DuMerer.

3 **How can connected street lights save energy and provide value to councils and DNSP's?** – Dr Michael Poplawski, Senior Engineer, US DOE Pacific Northwest National Laboratory, Oregon, USA.

4 **Smart planning and procurement – lighting up Dunedin, not the sky** – Ms Anja McAlevey, Senior Transportation Planner, Dunedin City Council, New Zealand.

5 **Q&A from delegates**

10:00am – 10:30am Morning Tea, Exhibition and Networking (*Parkside 1*)

10:30am – 12:00pm **THE FUTURE OF SMART CITY LIGHTING**

- 1 The future of outdoor lighting and integrated sensing for smart cities** – Dr Robert Karlicek, Professor & Director, Smart Lighting Engineering Research Centre, Rensselaer Polytechnic Institute, Troy, NY, USA.
- 2 Lighting up the pathway to smart liveable cities** – Mr Harry Verhaar, Head of Global Public and Government Affairs, Signify (previously Philips Lighting), Netherlands.
- 3 The global market for connected street lighting** – Mr Chris Testa, Research Director, Northeast Group LLC, Washington DC, USA.
- 4 Q&A from delegates**

12:00pm – 1:00pm Lunch, Exhibition and Networking (*Parkside 1*)

1:00pm – 2:45pm **HEALTH AND ENVIRONMENTAL CHALLENGES**

- 1 Human effects of light on earth and space** – Dr George Brainard, Director, Lighting Research Program, Thomas Jefferson University, Philadelphia, USA.
- 2 The Pervasive Photon - public lighting and the night sky** – Professor Fred Watson AM, Astronomer-at-Large, The Australian Astronomical Observatory, Sydney, NSW, AUS.
- 3 National light pollution Guidelines for wildlife - including marine turtles, seabirds and migratory shorebirds** – Dr Kellie Pendoley, CEO Pendoley Environmental Pty Ltd, Perth, WA, AUS.
- 4 Addressing blue light concerns** – Mr Bruce Kinzey, Director, U.S. Department of Energy (DOE) Municipal Solid-State Street Lighting Consortium, Washington DC, USA
- 5 Q&A from delegates**

2:45pm – 3:15pm Afternoon Tea, Exhibition and Networking (*Parkside 1*)

3:15pm – 5:00pm **COLLABORATIVE PROJECT ACTION**

- 1 The European Commission humble lamppost programme** – Mr Graham Colclough, Chair of The European Commission Multi-Function Pole programme, London, UK
- 2 Smart city council action worldwide and in ANZ** – Speaker from Smart Cities Council ANZ, Brisbane, QLD, Australia. *(TBC)*
- 3 The Southern Lights NSW project** – Ms Julie Briggs, CEO, Riverina Eastern Regional Organisation of Councils, Wagga Wagga, NSW, Australia
- 4 NSW Public Lighting Code** – Speaker from, NSW Department of Planning & Environment, Sydney, NSW, Australia. *(TBC)*
- 5 Q&A from delegates**

6:30pm – 10:30pm Signify Conference Dinner

Venue: Doltone House Darling Island
48 Pirrama Road Pyrmont NSW
Waterfront Promenade Entrance
Short 15-minute walk from ICC

Time: 6.30pm Pre-Dinner drinks
7.00pm Dinner

Dress: Smart



DAY 2

Thursday 4 April 2019

7:00am – 8:00am Conference Registration

Light breakfast available in the Trade Exhibition (*Parkside 1*)

8:00am – 8:05am Welcome

8:05am – 10:10am MODERN BUSINESS MODELS

- 1 As-a-service business models for electricity distribution network companies** – Scotty Hutto, Lighting Services Business Unit Manager, Georgia Power Company, USA.
- 2 Smart Lighting Infrastructure-as-a-Service** – Mr James Peet, Chief Digital Officer, Moreton Bay Regional Council, QLD, Australia.
- 3 Obtaining funding through carbon abatement certificates** – Mr Rob McKenna, General Manager, National Carbon Bank of Australia, Sydney, NSW, Australia.
- 4 IPWEA model business case specification** – Speaker from, Clean Energy Finance Corporation, Australia. *(TBC)*
- 5 Moderated panel session on asset ownership and business models for multifunction poles and the opportunities they provide** - Panellists include experts from council, legal, telecommunications and electricity distribution sectors.

10:10am – 10:40am Morning Tea, Exhibition and Networking (*Parkside 1*)

10:40am – 12:40pm ADAPTIVE LIGHTING APPLICATIONS

- 1 Adaptive lighting and road safety** – Dr Ron Gibbons, Director, Virginia Tech Transportation Institute, Blacksburg, Virginia, USA.
- 2 Adaptive road lighting control to satisfy diverse needs of user groups and patterns** – Dr Dionyz Gasparovsky, Director Transportation and Exterior Lighting International Commission on Illumination (CIE), Slovakia.

3 Singapore's journey to a smarter and more energy-efficient street lighting system – Mr Jerry KP Heng, Head of Street Lighting, Land Transport Authority, Singapore.

4 Upgrading to LED and CMS adaptive control to match traffic conditions in Doncaster UK – Mr Craig Morris, Street Lighting Engineer, Doncaster Council, UK.

5 Colour adaptive road lighting - with live demonstration – Mr Olli Markkanen, Head of Municipal Engineering, City of Helsinki, Finland.

6 Q&A from delegates

12:40pm – 1:40pm Lunch, Exhibition and Networking (*Parkside 1*)

1:40pm – 3:00pm **SMART CITY LIGHTING INFRASTRUCTURE**

1 Smart cities and income from telcos - nirvana or reality? – Ms Nancy Clanton, Clanton & Assoc Inc, Colorado, USA.

2 Smart city lighting cybersecurity – Mr Geoff Schlomburgk – Head of Strategy and Business Development, AccessTel Pty Ltd, Melbourne, Australia.

3 Smart lighting for central business districts – Mr Mark Fallon, Strategic Asset Management Manager, Brisbane City Council, Australia.

4 Q&A from delegates

3.00pm – 3.30 pm Afternoon Tea, Exhibition and Networking (*Parkside 1*)

3:30pm – 5:00pm **SPECIFYING SMART CITY LIGHTING**

1 New initiatives in lighting systems standards – Mr Michael Erbesfeld, Program Manager - Lighting System Standards, National Electrical Manufacturers Association (NEMA), Washington DC, USA.

2 Zhaga connectivity for smart city lighting – Dr Dee Denteneer, Secretary General, Zhaga Consortium, Eindhoven, Netherlands.

3 TALQ Smart City Protocol: the key to control system interoperability for smart cities – Mr Christophe Orceau, Chairman Technical Committee, TALQ Consortium, Paris, France.

4 Public lighting standards: the need for overhaul – Mr Adam Carey, Director Elumenarti Pty Ltd, Melbourne, Victoria, Australia.

5 The smart cities blueprint for Australian cities – Dr Jed Horner, Policy Manager, Standards Australia, NSW, Australia.

6 Closing forum

5:00pm Conference Closes