

LSNetwork & IES BC Summit:

Building Smarter Cities with Connected Lighting

October 29, 2018
8:30 am to 4:30 pm

Coquitlam Executive Plaza Hotel
Coquitlam, BC

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Learn how cities are building smarter with connected technologies!

Join the [LSNetwork](#) and [IES BC](#) for our full-day summit in British Columbia that will examine the ways in which cities across Canada are successfully adopting innovative problem-solving methods to create smarter cities with intelligent streetlighting.

Keynotes and panels will feature leaders in smart city thinking and digital solutions to present technical discussions and case studies on the opportunities of **connected streetlighting**, **adaptive controls** and **sensors**, including an overview of streetlighting in Los Angeles and how City of Lloydminster is piloting controls to provide light on demand.

This event will be valid for 3 LEU credits.

With speakers including:



ED EBRAHIMIAN

VP Smart City Solutions, Acuity Brands
*Former Director of the Los Angeles
Bureau of Street Lighting*



NANCY CLANTON

President, Clanton & Associates



RON GIBBONS

Director, Centre for Infrastructure-
based Safety Systems (CIBSS), Virginia
Tech Transportation Institute

AGENDA

8:00AM **LIGHT BREAKFAST & REGISTRATION**

8:30AM **OPENING REMARKS**

Lynn Asselin, Education Co-Chair, IES BC Section

Geneva Starr, LSNetwork Project Manager, Canadian Urban Institute

8:45AM **KEYNOTE LOS ANGELES: THE SMART CITY EXPERIENCE**

Ed Ebrahimian, VP Smart City Solutions, Acuity

Q&A

9:30AM **COFFEE + NETWORKING**

10:00AM **KEYNOTE TITLE TBC**

Nancy Clanton, President, Clanton & Associates

Q&A

11:00AM **MODERATED PANEL DISCUSSION CHOOSING THE RIGHT SOLUTION FOR YOUR SMART CITY**

Audience engagement with panel comprising of:

- *Ed Ebrahimian, Acuity*
- *Varouj Artokun, Current, powered by GE*
- *Karl Allen-Muncey, City of Kitchener*
- *Moderator: Cristian Suvagau, BC Hydro*

12:00PM **LUNCH + NETWORKING**

12:45PM **KEYNOTE THE PRECIOUS BALANCE OF ROADWAY LIGHTING**

Ron Gibbons, Director of the Center for Infrastructure Based Safety Systems, Virginia Tech Transportation Institute

Q&A

1:30PM **CASE STUDY LLOYDMINSTER INTELLIGENT STREETLIGHT PILOT**

Amro Alansari, Sales Representative, ATCO Electricity Global Business Unit

2:00PM **COFFEE + NETWORKING**

2:30PM **KEYNOTE INTELLIGENT STREETLIGHTING FOR AN INNOVATION LAB**

Karl Allen-Muncey, Director, City of Kitchener Innovation Lab

Q&A

3:15PM **MODERATED PANEL DISCUSSION OVERCOMING BARRIERS TO INTELLIGENT LED STREETLIGHTS**

Audience engagement with panel comprising of:

- *Ron Gibbons, Virginia Tech*
- *TBC*
- *Amro Alansari, ATCO Electricity Global Business Unit*
- *Moderator: Don McLean, President, DMD & Associates*

4:15PM **CLOSING REMARKS**

Cristian Suvagau, Team-Lead, Specialist Lighting & Energy Management Engineer, BC Hydro

**Agenda is subject to change.*



KEYNOTE SPEAKERS



Amro Alansari, P.Eng PMP

Sales Representative, ATCO Electricity Global Business Unit

Amro joined ATCO in 2015 and progressively led an engineering team out of Lloydminster, AB. In this position, he led the award-winning Lloydminster's intelligent streetlighting pilot project with dimming and *light on demand*. Amro also served as one of ATCO's lighting & smart cities subject matter experts. Prior to working for ATCO, Amro worked overseas with international organization in the fields of engineering and project management in multiple sectors including petrochemicals, fertilizers, metals and manufacturing. Recently, Amro joined the Service Sales team with ATCO Electricity Global Business Unit, responsible for managing projects from execution to completion and beyond, into the lifetime of the customer relationship.



Karl Allen-Muncey

Director, Digital Kitchener Innovation Lab, City of Kitchener

Karl has over 20 years experience of working with forefront technologies, marketing and design, and currently leads the Digital Kitchener Innovation Lab for the City of Kitchener. This lab is Canada's first IoT Focussed Municipal Innovation Lab to address civic challenges. A core mandate of the lab is to leverage the opportunities that a \$10m investment in its city-wide MESH network present. Karl sits on the Waterloo Region application for the Smart City Challenge which is shortlisted in the \$50m category. He is also participating in a group working on data standards with all levels of public & private sector. Prior to the City Karl setup and led the Innovation Outpost for Postmedia, Canada's largest news media company, housing brands as the National Post, Financial Post, Calgary Herald & Canada.com. Karl's experience has taken him all over the world to manage innovation, development, interactive, design, & marketing teams as well as innovation practices and processes.



Ed Ebrahimian

Vice President, Smart City Solutions, Acuity Brands Lighting Inc.

Ed Ebrahimian, Vice President, Smart City Solutions with Acuity Brands has more than 30 years of experience in Street Lighting in both public and private sector. Prior to joining Acuity Brands, he was the General Manager of the Bureau of Street Lighting in the City of Los Angeles where he oversaw and managed the operations of the 2nd largest municipal street lighting system in the country.

Mr. Ebrahimian will present the overview of Street Lighting in the City of Los Angeles including Modern and Decorative LED Conversion Programs. His presentation will include deployment of Controls and Smart City Initiatives and how in recent years, streetlights have become desirable for deployment of new technologies and various cutting edge and revenue generating applications, Humble streetlight NO MORE!



Nancy Clanton

President, Clanton & Associates

Nancy E. Clanton is founder and President of Clanton & Associates, a lighting design firm specializing in sustainable design. She obtained her Bachelor of Science degree (Architectural Engineering, Illumination Emphasis) from the University of Colorado, Boulder and is a registered Professional Engineer in the states of Colorado and Oregon. Nancy is a member of the National Science Foundation committee on solid state lighting. Nancy received the ACEC Colorado 2013 Outstanding Woman Engineer Award. Nancy also received the International CleanDesign Award in 2013. Nancy is chairperson of the IESNA Outdoor Environmental Lighting Committee and Mesopic Committee, past chair of the IESNA Board of Fellows Award Committee, past chair of the Model Lighting Ordinance IESNA and IDA joint task force, is a past member of the Board of Directors of the International Association of Lighting Designers, International Dark Sky Association, and the Illuminating Engineering Society. Nancy is a past member of the USGBC LEED Environmental Quality Technical Advisory Group. Nancy was a topic editor for the IES Lighting 9th Edition Handbook and her committee was responsible for the production of the IES Recommended Practice on Lighting for the Exterior Environment. Nancy was lighting group leader for Greening of the White House, led the lighting workshops for the C40 conference in Seoul, and was awarded the IES Presidential Award in 1990 and 2006. Her firm's lighting design projects reflect her sustainable philosophy and ten of their projects have been named to the AIA Committee on the Environment Earth Day Top Ten List.



Ron Gibbons

Director, Centre for Infrastructure-based Safety Systems (CIBSS), Virginia Tech Transportation Institute

Ron Gibbons is the Director of the Center for Infrastructure Based Safety Systems (CIBSS) at the Virginia Tech Transportation Institute (VTTI). He is also the Institute's lead lighting research scientist. He is currently the PI on projects investigating the impact of outdoor lighting on human health, the Spectral Effects of new light sources on roadways, the visibility of police vehicles and is the subject matter lead for the FHWA office Safety IDIQ contract. Gibbons is the author of over 80 published papers on roadway lighting, photometry, and target visibility. He is a past Director of Division 4 of the International Commission on Illumination (CIE) and a past president of the Illuminating Engineering Society of North America.

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