

FREDERICTON, NEW BRUNSWICK

JUNE 8TH – 11TH, 2017

62ND MARITIME REGIONAL IES CONFERENCE

Conference Program

Thursday, June 8th

6:00 – 10:00pm Maritime Kitchen Party – Live Music – Pat Steeves
Located in Brunswick Room/Outside Terrace

10:00 – 12:00am Hospitality Suite – Garrison Room

Friday, June 9th (District Meeting located in the Boardroom)

7:15 – 8:15am District Meeting

Friday, June 9th (All sessions located in the Jr. Ballroom)

7:30 – 8:15am Delegate Buffet Breakfast

8:15 – 8:45am Session #1 – 30 minutes A Sustainable Electricity Future for New Brunswick –
NB Power, Michel Losier

Session Description: In 2012, New Brunswick Power began a program to replace all of its outdoor lighting assets with LED technology. This program includes 72,000 roadway luminaires. This presentation will provide a view into NB Power's vision for the future, how the LED program fits within this greater vision as well as some highlights from the deployment of the technology. He will also touch on customers and communities that are engaging into this evolving energy conversation.

8:45 – 9:30am Session #2 – 45 minutes A Look at the Latest Wireless and Wired Lighting
Control Technologies – Acuity Brands Lighting
Canada, Richard Goode

Session Description: TBA

9:30 – 10:15am Session #3 – 45 minutes The Ugly, the Bad and the Good
Perspective on Global Affairs – Dept. of National
Defense, Dr. Christian Breede

Session Description: Over the course of the past 18 months, we have witnessed a seemingly endless parade of surprises. From the annexation of Crimea by Russia, through to the shocking vote by the UK to leave the European Union, the seemingly intractable tragedy in Syria and on to the reality of a Trump White House, to say that 2016 was ugly is likely an understatement. As bad as these events have been for international norms and the global order that has prevailed since the end of World War II, they are merely symptoms of some truly ugly trends that need to not only be discussed but also resolved. It is here that some good can come of the past 18 months. What has been revealed is the need for genuine change. Indeed, the current system is in need of an overhaul. And here technology holds promise as although it has been the cause of much of the bad and down-right ugly trends we have witnessed, it is also the source of potential solutions and dare it be said, some cautious hope for the future.

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10:15 – 10:30am Break

10:30 – 11:30am Session #4 – 60 minutes **Lighting for Your Health – Eaton SOURCE Lighting Education Center, Rebecca Hadley-Catter -
Continuing Education Accreditation for the Following:
AIA, PDH, CU**

Session Description: TBA

11:30 – 12:00pm Session #5 – 30 minutes **Tunable White Light as it Pertains to Educational & Healthcare Institutions – Lithonia, Jean-Luc Vincent**

Session Description: TBA

12:00 – 1:00pm Presidents' Lunch + IESNA Presentation (Delegates Only)

1:00 – 1:30pm Session #6 – 30 minutes **Re-Lighting of Niagara Falls – Mulvey & Banani International Inc., Alan McIntosh**

Session Description: Relighting a natural wonder of the world is nothing to take lightly. As exciting as the experience was it carried a weight, a responsibility for everyone involved to meet expectations. Throughout the design, the team sought out to validate each and every statement they were to make through a variety of internal tests, calculations, coordination sessions, renderings and mock-ups. They wanted to stand up confidently in front of the world and state that what they were claiming was in fact 100% accurate.

1:30 – 2:15pm Session #7 – 45 minutes **Lighting Needs for the Future of Transportation – Virginia Tech, Ron Gibbons**

Session Description: The future of transportation includes automated and later autonomous vehicles. The automated vehicles are being equipped with sensing systems that replace the human eye and algorithms that replace the cognitive functions that allow us to drive. The sensing technology that is being used in automated vehicles might include LiDAR, machine vision systems and communication systems and the needs of these systems in terms of lighting are very different than the human eye. So, as we move from legacy vehicles to more and more automation, what are the implications for the lighting of roadways? This means that the lighting of roads in the future must accommodate the needs of these systems. This session is a discussion of the current status of automated and autonomous vehicles, a discussion of the technology being used in these vehicles, a discussion of the times when these systems fail and a projection of how lighting might be changed in the future.

2:15 – 3:15pm Session #8 – 60 minutes **LED's Need a New Language – Gabriel MacKinnon Lighting Designs (GMLD), Andrew MacKinnon –
Continuing Education Accreditation for the Following:
AIA/Self-Directed AIA, PDH**

Session Description: LED's Need a New Language: the failure of our metrics to adequately describe LED based light levels and how we need to change the way light levels are described, calculated and catalogued.

3:15 – 3:30pm Break

3:30 – 4:00pm Session #9 – 30 minutes **Lighting as an Art Form – Traci Price Design, Traci Price**

Session Description: TBA

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4:00 – 5:00pm Session #10 – 60 minutes Outside Perception on Lighting Implementation – Panel discussion moderated by Martyn Timmings with Contractor, Developer, Architect and Interior Designer

Session Description: Lighting has changed dramatically over the past few years. A panel of professionals who deal with lighting everyday will discuss their views on industry changes because of new technologies, their approach to lighting implementation and their experience. (Panel discussion/Q&A)

5:00 – 7:00pm Hospitality Suite

7:00 – 7:30pm Presidents’ Reception

7:30 – 9:00pm Presidents’ Banquet (Brunswick Room – Business Smart) – Cheryl English, Incoming IES President

9:00 – 12:00am Dance with live band “The Thunderbirds Rock and Roll Show”

12:00 – 1:00am Hospitality Suite

Saturday, June 10th (All sessions located in the Brunswick Room)

7:30 – 8:15 Breakfast

8:15 – 9:00am Session #11 – 45 minutes Fifty Shades of Blue – E.T.C., Michael Harris

Session Description: LED emitter choices in currently available variable color-mixing LED fixtures vary significantly. This course demonstrates how these emitter choices have a noticeable effect on color range and color quality of LED fixture light output.

The course is a demonstration of how lighting is changing with the advent of multi-color LED-powered fixtures. The wonderfully variable but sometimes non-intuitive color capabilities of LED-powered lighting gives designers the power to both radically and subtly manipulate color in a real-time basis. This session presents some of the basic science behind color perception and the nuances of additive color mixing. It shows how differences in emitter color choices can affect the color quality of fixture output. The course introduces the concept of metamerism as it applies to mixing color with light and presents some ideas for the intuitive control of color mixing fixtures.

9:00 – 9:45am Session #12 – 45 minutes Heritage Project Involving Innovative LED Custom Solutions; LEED Credit Issues; Light Pollution & Long Term Challenges – Gabriel MacKinnon Lighting Designs (GMLD) – Andrew MacKinnon – Continuing Education Accreditation for the Following: Self-Directed AIA

Session Description: TBA

9:45 – 10:00am Break

10:00 – 10:30am Session #13 – 30 minutes Industrial Fixture Ratings & Standards – Dialite, James Galea

Session Description: TBA

10:30 – 11:00am Session #14 – 30 minutes Street Lighting Controls – A Platform for Savings and Smarter Cities – LED Roadway Lighting, Adam Chaffey

Session Description: Many questions remain from end-users around the controls technology for street and area applications. Users frequently wonder about how to implement practical solutions, and perhaps most importantly, what sort of savings will be realized from lighting conversion projects in their location. This presentation will provide a discussion of real Smart Street Lighting projects to demonstrate that significant energy and maintenance savings can, and are already being realized by employing new controls technologies. The leveraging of lighting technology to deploy Smart City or Smart Grid applications will also be discussed.

11:00 – 11:45am Session #15 – 45 minutes Challenges of Sports & Entertainment Lighting with LED – Eaton Lighting Systems, Robert Murphy

Session Description: Discussion of challenges in sports and entertainment lighting with LED and will cover color temperature, TV broadcasting, and control challenges in these spaces.

11:45 – 12:45pm Sustaining Members Lunch (Jr. Ballroom)

1:00 – 5:00pm Golf (Kingswood)

1:00 – 4:00pm Trap Shooting

1:00 – 3:00pm Boat Cruise #1

3:00 – 5:00pm Boat Cruise #2

4:00 – 6:00pm Hospitality Suite

6:00 – 7:00pm Pre-Dinner Reception (Jr. Ballroom or Terrace – casual dress)

7:00 – 8:30pm Lobster Dinner

8:30 – 9:30pm Live Entertainment – Comedian Lucien

9:30 – 12:00am Hospitality Suite (DJ)

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Companion Program

Thursday, June 8th

6:00 – 10:00pm Maritime Kitchen Party – Live Music – Pat Steeves
Located in Brunswick Room/Outside Terrace

10:00 – 12:00am Hospitality Suite (*Garrison Room*)

Friday, June 9th

9:15am Meet in Hotel Lobby

9:30am Car Service will leave hotel and head out to Kings Landing Historical Park

10:00am Guided Group Tour and Interactive Activities with Park Staff

12:00pm Lunch provided at Kings Head Inn at the Park

1:00 – 2:00pm Free Time to Explore and Shop at Kings Landing's Gift Shop

2:15pm Car Service returns to Hotel

3:30pm Afternoon Cocktail and Dessert at the Lighthouse on the Green

5:00 – 7:00pm Hospitality Suite – Garrison Room

7:00 – 7:30pm Presidents' Reception

7:30 – 9:00pm Presidents' Banquet (*Brunswick Room - Business Smart Attire Preferred*)

9:00 – 12:00am Dance with live band "The Thunderbirds Rock and Roll Show"

12:00am – 1am Hospitality Suite

Saturday, June 10th

9:00 – 10:00am Boise Farmers Market

10:30 – 11:45am Beaverbrook Art Gallery

12:00 – 1:00pm Sustaining Members Luncheon for All (*Jr. Ballroom*)

1:00 – 5:00pm Refer to Conference Program for Planned Activities

6:00 – 7:00pm Pre-Dinner Reception (*Jr. Ballroom or Terrace - Casual Dress*)

7:00 – 8:30pm Lobster Dinner

8:30 – 9:30pm Live Entertainment – Comedian Lucien (*Jr. Ballroom*)

9:30 – 12:00am Hospitality Suite (DJ)



IES FIDDLEHEAD SECTION
62nd MARITIME REGIONAL CONFERENCE
REGISTRATION

Cheque Enclosed for Conference _____ Invoice Me _____

Make Cheques Payable to: "IES Fiddlehead Section"

Mail, Fax or E-Mail Registration to: RSEI Consultants Ltd.
564 Prospect Street
Fredericton, NB E3B 9M3
Tel: (506) 451-0005
Fax: (506) 451-2211
Email: office@rsei.nb.ca

Name: _____ Tel. No. _____

Companion's Name: _____ Fax No. _____

Company: _____

Address: _____

City: _____ Province/State _____

Postal/Zip Code: _____

Email Address: _____

HOTEL INFORMATION

Please make reservations directly with the Hotel.

**Crowne Plaza (Lord Beaverbrook)
Fredericton, New Brunswick, Canada**

Phone: (506) 455-3371

Toll-Free: 1-866-444-1946

Email: reservations@cpf Fredericton.com

Room Rate of \$144.00/night plus HST (onsite parking extra \$10) for a traditional room with single/double occupancy will be held until May 12th, 2017.

