

Wednesday, May 4, 2022 @ 10:00 AM

SMART EMERGENCY LIGHTING – BUILDING ENHANCEMENT

With Kevin Smee, Vice President Sales, Aimlite

OVERVIEW OF PRESENTATION:

Emergency lighting has been around for 40+ years. Technology has evolved at an exponential rate; Emergency Lighting hasn't followed at the same pace. Find out the benefits of networked monitoring for single and multi-building setups. The latest innovation and future of emergency lighting technology will be discussed in this presentation.

SPEAKER BIO:

Kevin Smee has been in the industry for almost 38 years and has worked for Lumacell, Luxnet, Beghelli and is currently the VP of Sales for AimLite. He has been an instrumental part in developing and bringing to market the emergency lighting which is being installed today throughout Canada.

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Wednesday, May 4, 2022 @ 11:00 AM

ANTI-COUNTERFEITING AND BRAND PROTECTION

With Andrew Pottier, Lead Regulatory Affairs, Underwriters Laboratories of Canada

OVERVIEW OF PRESENTATION:

Product counterfeiting is a battle – one that we must all fight. Corporations lose market share, billions of dollars in revenues and their hard-won reputations. Communities lose thousands upon thousands of jobs and the benefits of lost tax dollars. Consumers lose money, confidence in the market to provide safe products – and may even lose their lives. This presentation will bring awareness to the magnitude of this problem and help you identify potentially counterfeit products that are purchased in the marketplace every day.

SPEAKER BIO:

Andrew Pottier is very passionate about the electrical industry and the safety of people and buildings. Hailing from Digby, Nova Scotia, Andrew has broad industry experience in the electrical field. He achieved journey-person status in 1991, leading into a career specializing in electrical inspection with Nova Scotia Power, working as an Electrical Wiring Inspector, then

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Chief Electrical Inspector. He currently works with Underwriters Laboratories of Canada as the Lead Regulatory Affairs Representative. He is a direct liaison with Regulatory Authority Advisory Bodies (RAABs) across Canada, providing direct support to business units in the development and recognition of Standards, Certification, and Inspection services offered by ULC. He is also a direct liaison with the Standards Council of Canada regarding UL/ULC Regulatory Affairs. Andrew provides support to UL/ULC Market Surveillance regarding product inquiries and Product Investigation Reports, including Counterfeit Product Investigations.

Wednesday, May 4, 2022 @ 1:30 PM

WHAT SHOULD DRIVE THE SUSTAINABILITY BUS – INDOOR ENVIRONMENTAL QUALITY OR ENERGY?

With Robert Bean, President, Indoor Climate Consulting Inc.

OVERVIEW OF PRESENTATION:

Efficiency programs seem to ignore the fact that the only reason why society uses energy in buildings is to condition people and generate domestic hot water. One would then think that all design ought to begin with the physiological and psychological needs of the occupants. However, in the real world most energy efficiency programs focus exclusively on enclosures and equipment and have superficial IEQ requirements. The hope is that the assembled systems will deliver the desired indoor climate with the modeled energy. The flaws in this approach are demonstrated in the poor results from thousands of post occupancy evaluations. Following this workshop, participants will learn the human sciences behind thermal comfort and air quality and how energy and exergy efficiency is the natural outcome from engineering the indoor environment using human factor design tools.

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SPEAKER BIO:

Robert Bean is a registered engineering technologist in building construction (ASET) and a professional licensee in mechanical engineering (APEGA). He is president of Indoor Climate Consulting Inc. and director of www.healthyheating.com. Bean is a recipient of ASHRAE's Lou Flagg Award and Distinguished Service Award and on his third tour as an ASHRAE Distinguished Lecturer. Currently he serves ASHRAE Standing Standard Project Committee (SSPC) 55 - Thermal Environmental Conditions for Human Occupancy and participates on Technical Committees 2.1 - Physiology and Human Environment; 6.1 - Hydronic and Steam Heating Equipment; 6.5 - Radiant Heating and Cooling, and 7.4 - Exergy Analysis for

Sustainable Buildings. He is also the SSPC 55 liaison to SSPC 62.2 Ventilation and Acceptable Indoor Air Quality in Residential Buildings, and SSPC 90.2 Energy Efficient Design of Low-Rise Residential Buildings. He is an instructor for several industry associations and institutes, including the ASHRAE Learning Institute and has developed numerous courses related to the design of buildings, indoor climates, and radiant-based HVAC systems. His motto is, "Design for people; good buildings follow."

Wednesday, May 4, 2022 @ 2:30 PM

CUSTOMIZED MECHANICAL ROOMS TO OPTIMIZE EFFICIENCY AND PROFITABILITY

With Bill Hooper, Chair of CIPH Board & Regional Sales Manager – Atlantic, Uponor Ltd.

OVERVIEW OF PRESENTATION:

If we are to bring the Plumbing industry forward, it begins with a new pattern of thinking. The mechanical room presents a unique opportunity for forward-thinking as we consider the available equipment (smart and otherwise) – yet sometimes strategies to utilize new equipment, strategies, and learning to optimize design and operation have been missed. This session will explore new technologies, discuss strategies in thinking differently about mechanical room systems, and consider redundancies, efficiencies, and effectiveness of components for future appliances and applications. The end goal is to enhance your current strategies for both new and retrofit systems that will differentiate your process and your business – to take a more active role in planning system strategy and equipment selection.

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SPEAKER BIO:

Bill Hooper is a Mechanical Technologist with over 30 years of engineering and application sales experience in the Hydronics industry. Highlights for Bill's career include the extensive three-month training at Bell & Gossett's Little Red Schoolhouse, National responsibilities for B&G's Hydronic Lineup, Chairing the Canadian Hydronics Council, being recognized by his peers with the 2019 Canadian Hydronics Council Award of Merit. Currently, Bill is the Chairman of the CIPH Board of Directors (2021-2022). Specializing in boiler rooms, pumps, heat exchangers, steam specialties, boiler controls, and systems piping networks, he draws on relevant jobsite experience with successes and messes to share opportunities to improve in the present and make the most of what is next.

Thursday, May 5, 2022 @ 10:00 AM

USING THERMAL COMFORT TOOLS TO EVALUATE DISCOMFORT PROBABILITIES DUE TO ENCLOSURE DESIGN AND CHOICES IN HVAC SYSTEMS

With Robert Bean, President, Indoor Climate Consulting Inc.

OVERVIEW OF PRESENTATION:

Applying the principles learned in Course 1 and 2, and using various online and PC based tools, participants will be taken through a case study where three enclosure performances and two HVAC system types are evaluated for compliance with ASHRAE Standard 55.

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