

# **KEYNOTE SPEAKER**

## **Presentation I**

**Title: Bringing Intention to your Brand and Career**

**Presented by: Stewart Pollard**

Stewart Pollard is President and Owner of SHiFT Leadership Solutions, a leadership consulting and coaching practice dedicated to helping leaders bring out the best in themselves, their teams, and their organizations.

As a leadership coach, trainer, and facilitator, Stewart has spoken to thousands of professionals, educators, and business leaders across Canada and the US, on topics from continuous improvement to organizational change management and leadership effectiveness - helping to develop leadership impact and business results at all levels.

Stewart earned his MBA from the University of Phoenix and graduated from the University of Waterloo with a degree in Mechanical Engineering, he also has a Physics degree from UPEI. A Professional Engineer (P.Eng.) for over 25 years, he is also accredited as a Certified Executive Coach from Royal Roads University, a Professional Certified Coach (PCC) and member of the International Coaching Federation, as well as a Certified Change Management Professional (CCMP) through the Association of Change Management Professionals.

Stewart has worked with numerous organizations throughout his career, leading business transformations and projects in companies such as Goodrich Aerospace (now Collins), Honeywell Aerospace and JD Irving Limited, resulting in cumulative results of over \$1 billion to the bottom line.

## **Presentation II**

**Title: Get a grip on color science!**

**Presented by Dr. Tony Esposito**

**Short Description:**

Color science is a critically important aspect of lighting systems in the built environment. But what is it? Why is it so important? What is TM-30, and what do all those numbers mean? What is IES TM-30 ANNEX E, and how do I use it? These questions, and many more, will be addressed in this comprehensive talk about color science and color rendition. Real examples will be shown!

This session is designed for the lighting professional who finds it difficult to navigate the current state of color rendering and is looking to cut through the fog. This session will present technical information in an easy-to-digest manner and attendees will leave with a much stronger understanding of color science and associated metrics.

**Presenter Bio**

Dr. Tony Esposito is a light quality researcher with a background in lighting design and engineering. He is the Director and Light Concept Lead at the International WELL Building Institute (IWBI), the Founder of Lighting Research Solutions LLC (a lighting consultancy providing services in research, education, and development), and Co-Chair of the Color Committee of the Illuminating Engineering Society.

**Presentation III****Title: Integrative Lighting: The Tao of Design**

Presented by Dawn Brown, CLD, Design IALD

**Short Description:**

This presentation provides an overview of the science and philosophies related to integrated lighting. Titled: 'The Tao of Design' as the presenter demonstrates how a holistic design approach is essential for delivering a

lighting system that effectively supports circadian entrainment and enhances wellness. To be effective designers, we must understand and appreciate how the body works in harmony internally, with nature, and with our indoor environment. Attendees will leave the session with a fresh perspective on a decades old story about lighting for health and wellness.

We will begin with a review of the photobiological construct of the visual and non-visual pathways. Attendees will learn how to utilize the CIE S 026 a-opic Toolbox, then apply the associated metrics to their design calculations. We'll briefly discuss ANSI/IES-RP-46 and the benefit of Annex 'A' - Metric & Models. We'll review the challenges associated with both daytime and nighttime design and explore potential solutions through the lens of our natural mind-body connection.

### **Presenter Bio**

Dawn is the Owner and Principal Designer at OALD (Ontario Aesthetic Lighting Design). She is a recognized industry leader in circadian lighting design and is driven by a passion for designing lighting solutions that promote health and wellness.

Dawn's 24-year career is defined by her dedication to continuous improvement and willingness to challenge the status quo. She was one of the first Lighting Designers in Canada to achieve the Certified Lighting Designer (CLD) credential, adding her name to the CLD database among some of the world's most accomplished designers.

Dawn currently serves as President of the IES Waterloo Section and she's an active member of the CSA Technical Standards Committee for Z317.5 – Illumination Systems for Healthcare Facilities.

### **Learning Objectives**

After this session, participants will be able to:

- Describe the difference between the CIE Photopic Visual Acuity curve and the CIE Melanopic Action Spectrum.
- Utilize the CIE S 026  $\alpha$ -opic Toolbox to evaluate the melanopic efficiency of various light sources.
- Identify the two main challenges of delivering an effective integrated design solution.
- Evaluate the effectiveness of various lighting solutions for both daytime and nighttime design.

## **Presentation IV**

### **Title: Specifying sustainable lighting**

Presented by Scott Roos

#### **Abstract**

This fact-filled presentation provides an overview of the elements of sustainability and how lighting designers can most effectively specify sustainably designed luminaires. By providing an in-depth understanding of each element of sustainability and how it can be best assessed, evaluated and compared, a blueprint will be provided to identify, select and apply the most sustainable luminaires in your projects. The presentation will highlight gaps and emerging solutions in the design, application and assessment of sustainable luminaires. Attendees will also be provided with context for the role various attributes of luminaire design and materials play in the overall environmental impact of a building. Be prepared, this presentation may challenge preconceptions as to what aspects of a luminaire have the most impact on, and potential for reducing environmental impacts.

#### **Learning Objectives**

1. Recognize the key elements of sustainability & their impacts including Embodied & Operational Carbon, Materials Responsibility & Workplace Social Responsibility
2. Understand the various methods of assessing sustainability including Life Cycle Assessments, Circular Design Assessments, Embodied Carbon calculations, Materials Transparency and Corporate Sustainability Commitments and Reports.
3. Gain a working knowledge of the luminaire related sustainability requirements of WELL, LEED and The Living Building Challenge
4. Apply the principals discussed to specify the most environmentally responsible lighting equipment for your project.

## **Presentation V**

### **Title: Smaller, Shallower, Glarier? Design trends in downlighting**

Presented by David Grassi

With more than 15 years of experience in designing optical systems for award winning architectural luminaires across a variety of applications, David Grassi has deep experience in optical design, photometric testing and performance, photometric studies, and has supported many top Lighting Designers and Specifiers from around the world in realizing their project needs.

LED technology has revolutionized luminaire design, allowing for smaller and shallower downlighting fixtures than what was possible with legacy technology. Additionally, there's been a lot of focus in the specification community with glare control and improving the human experience in interior spaces, but the advancements in luminaire design are clashing with these desires for a more comfortable space.

### **Learning Objectives**

After this session, participants will be able to:

- Understand how LED technology allowed for the miniaturization of Luminaire design.
- Understand what affects UGR calculations within a luminaire, from the size of the luminaire, to the optical distribution, to the surface finish, and even to optical accessories
- Learn how to understand the tradeoffs in a system when trying to focus on glare control and how other elements of your design can be affected.
- Apply the principles discussed to specify the best lighting solutions, considering both the comfort of the end user in a space and the most efficient lighting solution.

## **Presentation VI**

### **Title: Night Lights: Addressing Light Pollution & Dark Sky**

Presented by Prem Kumar

This course investigates light pollution, artificial skyglow and DarkSky compliance. We will focus on causes, effects and proper solutions for lessening light pollution. In addition, we will discover the proper methods for selecting luminaires that meet DarkSky guidelines.

Lighting controls will also be explored as a means of reducing overall energy while still meeting recommended practices for reducing light pollution in today's world.

#### **Presenter Bio:**

Prem Kumar is the Specification Sales Manager and the Architectural Product Lead for Canada at Current Lighting.

Lighting Certified (LC) since 2007, Prem has been actively involved with the Toronto Section of the IES for the last 17 years during which time he has been

on the Executive Board as Treasurer, Vice-President, President, Past President and now a Board Manager. Prem is also a Merit Judge for the 2025 IES Illumination Awards. Until recently Prem was an Advisory Member of the now defunct IES Light Sources Technical Committee that was responsible for researching and developing best practices for evaluating and selecting light sources and systems. By education Prem is an Electrical Engineer.

## **Presentation VII**

### **Title: Light Can Help You**

Presented by David Warfel

#### **DESCRIPTION**

Would you like to open clients' eyes, earn greater respect, charge higher fees, justify design decisions, or sell more product?

We have the power to transform lives and make the world a better place for all its inhabitants. So why is lighting in our buildings, homes, and communities getting arguably worse instead of better? We do not lack the technical knowledge, scientific understanding, or performance products to make a difference, yet somehow lighting is often an afterthought or among the first to face damaging "value engineering."

Fear mongering (follow our advice or else!), public shaming (GOOD architects know better!), and techno-babble (but the TM-30 report says!) will only get us so far in a world where pop music stars make bigger lighting headlines than lighting professionals. My own entrepreneurial journey took flight only when I purposefully challenged my own assumptions and beliefs and began to develop a new language of light. The ongoing transformation continues to present new opportunities to win over builders, convince clients, and, ultimately, help others live better lives through the power of light.

Join David Warfel for a raucous romp through lighting tropes and tired maxims and discover ways to transform your own relationship with light through language and image.

## BIOGRAPHY

David Warfel is an overly sensitive, marginally materialistic, pseudo-tree-hugging farm boy turned lighting designer, educator, author, and entrepreneur. He's been either lucky or talented enough to land design opportunities in residential, hospitality, museum, commercial, and even the super-niche escape-rooms-on-giant-cruise-ships industry. When he isn't boring someone to tears talking about lighting, David leads his groundbreaking design business, Light Can Help You, into new frontiers that promise better lighting for more people.