

MONDAY - October 25, 2021

	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>1-Day Course</i>
9:00-12:00		L21L02 - Intermediate Lighting (2-Day) Craig Bernecker	L21L03 - Computer-Aided Lighting Analysis with DIALux evo (2-Day) Angela La Rocca	L21L04 - Networked Lighting Controls Hands On (2-Day) Armando Berdiel; Shaun Darragh	L21L05 - Ergonomics and Performance Metrics in Integrative Lighting - Real Time Horizontal and Vertical Evaluations for the WELL Building Standard Octavio Perez
Lunch					
2:00-5:00		L21L02 - Intermediate Lighting (2-Day) Craig Bernecker	L21L03 - Computer-Aided Lighting Analysis with DIALux evo (2-Day) Angela La Rocca	L21L04 - Networked Lighting Controls Hands On (2-Day) Armando Berdiel; Shaun Darragh	L21L05 - Ergonomics and Performance Metrics in Integrative Lighting - Real Time Horizontal and Vertical Evaluations for the WELL Building Standard Octavio Perez

TUESDAY - October 26, 2021

	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>2-Day Course</i>	<i>1-Day Course</i>
9:00-12:00		L21L02 - Intermediate Lighting (2-Day) Craig Bernecker	L21L03 - Computer-Aided Lighting Analysis with DIALux evo (2-Day) Angela La Rocca	L21L04 - Networked Lighting Controls Hands On (2-Day) Armando Berdiel; Shaun Darragh	L21L06 - Writing Sequences of Operation and Control Intent Narratives for Lighting Control Systems Lyn Gomes; Rick Miller
Lunch					
2:00-5:00		L21L02 - Intermediate Lighting (2-Day) Craig Bernecker	L21L03 - Computer-Aided Lighting Analysis with DIALux evo (2-Day) Angela La Rocca	L21L04 - Networked Lighting Controls Hands On (2-Day) Armando Berdiel; Shaun Darragh	L21L06 - Writing Sequences of Operation and Control Intent Narratives for Lighting Control Systems Lyn Gomes; Rick Miller

MONDAY - October 25, 2021	
	3-Hour Workshop
8:30 - 10:00	L21W01A - Lighting Controls Integration: Best Practices for Design Success C. Webster Marsh
11:00 - 12:30	L21W01B - A-Z Lighting Control Design C. Webster Marsh; Gary Meshberg
Lunch	Lunch
2:00-5:00	L21W02 - Optimizing Color Control with LED Lighting Kayla Brown-Cestero; Javid Butler; Tucker Downs
(4) 2-day, (2) 1-day, (3) 3-hr, (2) 90 Minute	

TUESDAY - October 26, 2021	
	3-Hour Workshop
9:00-12:00	L21W03 - Master Class on Quality Outdoor Lighting Bob Parks
Lunch	
2:00-5:00	L21W04 - Light and Human Health: The current science and how to apply it George Brainard; Kim Mercier; Naomi Miller; Jennifer Veitch

WEDNESDAY - October 27, 2021

		TRACK 1 - Application + Evidence-Based Design	TRACK 2 - Design Tools + Techniques	TRACK 3 - Experiencing Light	TRACK 4 -Art + Inspiration	TRACK 5 - Technology	TRACK 6 - Professional Development + Practice
9:30am - 11:00am	New Attendee Orientation						
2:00 PM - 3:30 PM			L21DT1 - Augmented Reality as a Tool for Lighting Design Michael Immecke	L21EL1 - Evaluating Daylight Harvesting Ruth Taylor; Dan Blitzer; Craig Bernecker			
4:30 PM - 6:00 PM					L21AI1 - Outdoor Occupancy Sensors: Testing the Limits Nancy Clanton; Ron Gibbons; Ruth Taylor	L21TI1 - Keeping Up With Change 2021 Michael Lunn; Paula Ziegenbein; Mark Lien	L21PD1 - Importance of LED Lighting Standards and Regulations Jianzhong Jiao; Tanya Hernandez

THURSDAY - October 28, 2021

		TRACK 1 - Application + Evidence-Based Design	TRACK 2 - Design Tools + Techniques	TRACK 3 - Experiencing Light	TRACK 4 -Art + Inspiration	TRACK 5 - Technology	TRACK 6 - Professional Development + Practice
8:30am -9:30am		L21AE2 - Human-Centered Lighting, Lighting Controls, and Evidence-Based Design Ruth Taylor	L21DT2 - Lighting for the Video Camera Norman Russell	L21EL2 - Using Light to Create Natural Environments and Powerful Human Experiences: A Case Study of Three Aquarium Projects Scott Hatton			
10:00am - 11:00am					L21AI2 - Lighting Historical Buildings, from the Static to the Mapping: Museo del Prado (Madrid) Nubi Leon-Martinez	L21TI2 - Control System Integration for Lighting and HVAC Lyn Gomes; Shoshanna Segal	L20PD2 - Light + Justice Edward Bartholomew; Mark Loeffler
11:30am - 12:30pm		L21AE3 - Shaping and Mapping Black Frames (Zones Without Light Pollution) in Rural and Urban Areas Agathe Pharel; Rob Van Heur	L21DT3 - Temporal Precision and Spatial Blur: How Lighting and Acoustics Intersect Zackery Belanger	L21EL3 - Light and Mind Lindsay Stefans			
12:15pm - 1:45pm							

2:00pm - 3:00pm					L21AI3 - Cultivating Creativity Andrea Hartranft; Maureen Moran	L21TI3 - Asset Tracking, how lighting help hospitals finding things Martin Mercier	L21PD3 - Designers are from Venus, Manufacturers are from Mars Dawn Hollingsworth; Jimalee Beno
3:30pm - 4:30pm		L21AE4 - Biologically Optimized Lighting Design for Workplaces Duncan Jackson; Robert Soler	L21DT4 - Lighting Design Tools and Techniques for Horticulture: Comparison and Contrast for Greenhouse and Indoor Grow Applications Jeff Nall	L21EL4 - Why Window Views are Essential for Visual Quality Lisa Heschong			
5:00pm - 6:00pm					L21AI4 - Lights of Our Memories Roberto Corradini		L21PD4 - Budgets and Lighting Design Addie Smith

FRIDAY - October 29, 2021

		TRACK 1 - Application + Evidence-Based Design	TRACK 2 - Design Tools + Techniques	TRACK 3 - Experiencing Light	TRACK 4 - Art + Inspiration	TRACK 5 - Technology	TRACK 6 - Professional Development + Practice
8:30am - 10:00am			L21DT5 - Introduction to Lighting Retrofits Frank Agraz	L21EL5 - The Violet Side of Light and Health Richard Lang; Robert Soler			
10:30am - 12:00pm					L21AI5 - Comparison Study of One-for-One Lighting Replacement Vs. Lighting Redesign Alen Mahic; Chris Wolgamott; Kevin Van Den Wymelenberg; Zachary Suchara	L21TI5 - Temporal Light Modulation (aka Flicker) and New Approaches to the Problem Naomi Miller; Jennifer Veitch; Arnold Wilkins	L21PD5 - How Do I Communicate Light?: The Symbiotic Relationship Between Lighting Designer and Manufacturer Nitika Agrawal

29 Conference Total - 11 - 90 Minute Courses, 18 - 60 Minute Courses

40 TOTAL for Institutes and Conference

TRACKS	PRE-CONFERENCE	Networking & Special Events
	Application + Evidence-Based Design	Art + Inspiration
	Design Tools + Techniques	Technology
	Experiencing Light	Professional Development + Practice