IESANZ 2019 CONFERENCE PRELIMINARY PROGRAM

21-22 November 2019

Melbourne Convention & Exhibition Centre

Current as of 26 June 2019. Subject to Change.

PRE-CONFERENCE WORKSHOP

WEDNESDAY 20 NOVEMBER 2019	
8:00am - 5:00pm	REGISTRATION
9:00am - 5:00pm	**PRE-CONFERENCE WORKSHOP** **Venue: Crown Melbourne** **Specifying, Measuring and Applying Human Centric Lighting** *Dr Mark S. Rea and Dr Mariana G. Figueiro*
5:30pm - 6:30pm	**WALKING TOUR:** **Guided Tour of the Forum Melbourne**

THURSDAY 21 NOVEMBER 2019		
7:00am - 5:00pm	REGISTRATION	
8:30am - 10:15am	PLENARY SESSION 1	
8:30am - 8:45am	**Official Welcome / Opening**	
8:45am - 9:45am	**KEYNOTE:** **Human Centric Lighting will not Happen Until we Understand V(λ)** *Dr Mark S. Rea*	
9:45am - 10:15am	**How Things are Connected in the Strangest Ways** *Dr Emrah Baki Ulas*	
10:15am - 10:45am	MORNING TEA	
10:45am - 12:15pm	CONCURRENT SESSION 1: HUMAN-CENTRIC LIGHTING IN FOCUS	CONCURRENT SESSION 2: FUTURE OF LIGHTING
	Lighting for Control Rooms - Not all Control Rooms are the Same *Jennifer Long, Visual Ergonomics Pty Ltd*	**IoT-Based PHM Framework for LED Lighting Systems** *Shan N Lee, Monash University Malaysia*
	Lighting: Human-Centred Design with Radiation *Tim Shotbolt, Light & the Biosphere*	**Spatial Optimization of a Multispectral Illumination Source** *Sanush Abeysekera, Monash University Malaysia*
	A Feasibility Study of Using Ocular Behaviour as an Indicator for Assessing Glare in an Office Setting *Zahra Hamedani, Griffith University*	**Spectral Optimization of a Commercialised Multi-channel SSL Luminaire with Tunable Circadian Impact** *Rachel Saw, Monash University Malaysia*
12:15pm - 1:15pm	LUNCH	
1:15pm - 2:15pm	CONCURRENT SESSION 3: HEALTH, WELLBEING AND LIGHT	CONCURRENT SESSION 4: LATEST IN LIGHTING STANDARDS
	Human Centric Lighting for Night Shift Workers *Bow Jaruwangsanti, Design by Bow*	**Why Light Pollution must be a Part of the Conversation** *Landon Bannister, Southern Lighting and Distribution*
	Evaluation of Temporal Light Modulation (TLM) in LED Light Sources *Steve Coyne, Light Naturally*	Speaker to be advised
2:20pm - 2:50pm	PLENARY SESSION 2	
2:20pm - 2:50pm	**KEYNOTE:** **Biologically Focused Lighting - The Truth About Circadian Lighting** *Robert Soler*	
2:50pm - 3:20pm	**A Roadmap for Implementation of Human Centric Lighting** *Dr Douglas Steel*	
3:20pm - 3:45pm	AFTERNOON TEA	
3:45pm - 5:30pm	PLENARY SESSION 3	
3:45pm - 4:45pm	**KEYNOTE:** **The Lighting Design Objectives (LiDOs) Procedure** *Dr Christopher "Kit" Cuttle*	
4:45pm - 5:30pm	**KEYNOTE:** *Prof Steven W. Lockley*	
5:30pm - 6:30pm	WELCOME DRINKS	
6:30pm - 8:00pm	**WALKING TOUR:** **City Lights Tour**	

FRIDAY 22 NOVEMBER 2019		
7:00am - 5:00pm	REGISTRATION	
8:30am - 10:30am	PLENARY SESSION 4	
8:30am - 9:30am	**KEYNOTE:** **From Retinal Cell to Virtual Reality: A Psychbiological Approach to Human Centric Lighting** *Dr Motoharu Takao*	
9:30am - 10:30am	**KEYNOTE:** **"Human Centric Lighting": Does it Really Have to be Blue-Enriched and Tunable?** *Dr Mariana G. Figueiro*	
10:30am - 11:00am	MORNING TEA	
11:00am - 12:30pm	CONCURRENT SESSION 5: FUTURE OF LIGHTING	CONCURRENT SESSION 6: TECHNOLOGY LIGHTING THE WAY
	Circa, a Wearable Spectral Sensor to Measure Light Exposure Impacting the Human Circadian System *Anas Mohamed, Monash University Malaysia*	**Study of Unified Glare Rating of LED Luminaires with Diffusers** *Dariusz Kacprzak, The University of Auckland*
	Influence of LED-Based Assistive Lighting on the Autonomous Mobility of Low Vision People *Vineetha Kalavally, Monash University Malaysia*	**Performance of LED Lighting Systems in the Presence of Load Control Ripple Injection Signalling** *Sean Elphick, Australian Power Quality & Reliability Centre, University of Wollongong*
	Visual Comfort in Green Office Buildings: Using Field Studies to Inform Design *Veronica Garcia-Hansen, Queensland University of Technology*	**A Whole New Level of Real-Time Light Simulation and Design Communication Tools** *Christopher Blewitt, migenius Pty Ltd* *Carl Gray, GrayLight*
12:30pm - 1:30pm	LUNCH	
1:30pm - 3:00pm	CONCURRENT SESSION 7: ENERGY EFFICIENCY	CONCURRENT SESSION 8: INDUSTRY AND STANDARDS PANEL
	Real Time and Weather Modelling of Daylight Availability in Complex Transport Structures: reduces Illumination and Electricity Capex & Opex by 50% *Richard Morrison, Light in Design by Jenarick Consulting*	**Panellists to be advised**
	Update on Regulation of Lighting Products under the Greenhouse and Energy Minimum Standards Act *David Boughey, Department of Environment and Energy*	
	Speaker to be advised	
3:00pm - 3:30pm	AFTERNOON TEA	
3:30pm - 5:00pm	PLENARY SESSION 5	
3:30pm - 4:30pm	**KEYNOTE:** **The Effect of Light on our Sleep-Wake Cycle: New Lighting Insights, Definitions and Designs** *Luc Schlangen*	
4:30pm - 5:00pm	**The Wrap Up** **Closing discussion with Keynotes** *Dr Mark S. Rea, Dr Kit Cuttle, Robert Soler, Prof Steven W. Lockley, Dr Motoharu Takao, Dr Mariana G. Figueiro and Luc Schlangen*	
6:30pm - Midnight	IESANZ AWARDS & GALA DINNER	