

IESANZ 2019 CONFERENCE PRELIMINARY PROGRAM 21-22 November 2019 Melbourne Convention & Exhibition Centre Current as of 20 July 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			
	KEYNOTE:			
8:45am - 9:45am	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			
5115411 10115411	Dr Emrah Baki Ulas			
10:15am - 10:45am	MORNING TEA			
	CONCURRENT SESSION 1:	CONCURRENT SESSION 2:		
	HUMAN-CENTRIC LIGHTING IN FOCUS	FUTURE OF LIGHTING		
	Lighting for Control Rooms - Not all Control Rooms are the Same	IoT-Based PHM Framework for LED Lighting Systems		
	Jennifer Long, Visual Ergonomics Pty Ltd	Shan N Lee, Monash University Malaysia		
10:45am - 12:15pm	Lighting: Human-Centred Design with Radiation	Spatial Optimization of a Multispectral Illumination Source		
	Tim Shotbolt, Light & the Biosphere	Sanush Abeysekera, Monash University Malaysia		
	A Feasibility Study of Using Ocular Behaviour as an Indicator for Assessing Glare in an Office	Spectral Optimization of a Commercialised Multi-channel SSL Luminaire with Tunable Circadian		
	Setting	Impact		
	Zahra Hamedani, Griffith University	Rachel Saw, Monash University Malaysia		
12:15pm - 1:15pm	LUNCH	nuclici suw, monusii oniversity mutuysiu		
12:15pm - 1:15pm	CONCURRENT SESSION 3:	CONCURRENT SESSION 4:		
	HEALTH, WELLBEING AND LIGHT	LATEST IN LIGHTING STANDARDS		
	Human Centric Lighting for Night Shift Workers	Why Light Pollution must be a Part of the Conversation		
1:15pm - 2:15pm	Bow Jaruwangsanti, Design by Bow	Landon Bannister, Southern Lighting and Distribution		
	Evaluation of Temporal Light Modulation (TLM) in LED Light Sources	Scott Forbes, IESANZ & Rubidium Light		
	Steve Coyne, Light Naturally			
2:20pm - 2:50pm	PLENARY SESSION 2			
	KEYNOTE:			
2:20pm - 2:50pm	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			
	KEYNOTE:			
3:45pm - 4:45pm	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			
c 20	WALKING TOUR:			
6:30pm - 8:00pm	City Lights Tour			

FRIDAY 22 NOVEMBER 2019			
7:00am - 5:00pm	REGISTRATION		
8:30am - 10:30am	PLENARY	SESSION 4	
	KEYNOTE:		
8:30am - 9:30am	From Retinal Cell to Virtual Reality: A Psychbiological Approach to Human Centric Lighting		
0.000	Dr Motaharu Takao		
	KEYNOTE:		
9:30am - 10:30am	"Human Centric Lighting": Does it Really Have to be Blue-Enriched and Tunable?		
	Dr Mariana G. Fiqueiro		
10:30am - 11:00am	MORNING TEA		
	CONCURRENT SESSION 5:	CONCURRENT SESSION 6:	
	FUTURE OF LIGHTING	ENERGY EFFICIENCY	
	Circa, a Wearable Spectral Sensor to Measure Light Exposure Impacting the Human Circadian	Real Time and Weather Modelling of Daylight Availability in Complex Transport Structures:	
	System	reduces Illumination and Electricity Capex & Opex by 50%	
11:00am - 12:30pm	Anas Mohamed, Monash University Malaysia	Richard Morrison, Light in Design by Jenarick Consulting	
11.00am - 12.50pm	Influence of LED-Based Assistive Lighting on the Autonomous Mobility of Low Vision People	Update on Regulation of Lighting Products under the Greenhouse and Energy Minimum Standards	
	Vineetha Kalavally, Monash University Malaysia	Act	
		David Boughey, Department of Environment and Energy	
	Visual Comfort in Green Office Buildings: Using Field Studies to Inform Design	Speaker to be advised	
	Veronica Garcia-Hansen, Queensland University of Technology	speaker to be advised	
12:30pm - 1:30pm	LUNCH		
	CONCURRENT SESSION 7:	CONCURRENT SESSION 8:	
	TECHNOLOGY LIGHTING THE WAY	INDUSTRY AND STANDARDS PANEL	
		ENERGY EFFICIENCY PANEL	
	Study of Unified Glare Rating of LED Luminaires with Diffusers Dariusz Kacprzak, The University of Auckland		
	Performance of LED Lighting Systems in the Presence of Load Control Ripple Injection Signalling	Panellists to be advised	
1:30pm - 3:00pm	Sean Elphick, Australian Power Quality & Reliability Centre, University of Wollongong		
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	A Whole New Level of Real-Time Light Simulation and Design Communication Tools		
	Christopher Blewitt, migenius Pty Ltd		
	Carl Gray, GrayLight		
3:00pm - 3:30pm	AFTERNOON TEA		
3:30pm - 5:00pm	PLENARY SESSION 5		
	KEYNOTE:		
3:30pm - 4:30pm	The Effect of Light on our Sleep-Wake Cycle: New Lighting Insights, Definitions and Designs		
	Luc Schlangen		
	The Wrap Up		
4:30pm - 5:00pm	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		