

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 | | |