



PROGRAM

							
Sept. 25th, 2018 Strategies & Trends				Sept. 25th, 2018 Be Inspired			
Lighting Business Trends		Lighting Technology Trends		Human Centric Lighting		Debates	
Time	Seestudio	Seefoyer	Propter Homines	Time	Parkstudio	Seegalerie	Showfloor
09.30	Event Opening (Grosser Saal)			09.30	Event Opening (Grosser Saal)		
10.00	KEYNOTE: The Transformation of Lighting Guido VAN TARTWIJK Tridonic			10.00	KEYNOTE: The Transformation of Lighting Guido VAN TARTWIJK Tridonic		
10.30	KEYNOTE: The Lighting Industry's Journey Towards New Growth Roger VAN DER HEIDE			10.30	KEYNOTE: The Lighting Industry's Journey Towards New Growth Roger VAN DER HEIDE		
11.30	The Roadmap of the Global Lighting Association Jan DENNEMAN Global Lighting Association	Repro-light: Modularity, Sustainability & Personalization for Lighting Industry Katrin TANZER, PhD Bartenbach	Human-Centric Lighting – Quo Vadis? Johannes WENINGER, DI Bartenbach	11.30	WORKSHOP: The Closest LED Light to the Sun SEOUL SEMICONDUCTOR	Smart Building Design – Launch & Introduction of the New DIAL Design Book Michael J. IMMECKE DIAL	
12.00	EU Circular Economy Policies are Impacting Lighting Product Design and Business Models Orauna GEORGIOUSAKOU LightingEurope	Zhaga Connectivity Interfaces for Smart Cities and Smart Buildings Dee DENTENEER, PhD The Zhaga Consortium	Lighting and Ed Clinician Wellness and Performance Improvement Octavio PEREZ, PhD Mount Sinai Hospital NYC	12.00		How Automotive Designs & Approaches Can Inspire Us Thomas HIEBAUM, Dr. Hiebaum Consulting	
12.30	Ecodesign Directive and Energy Labelling Regulation – Short Term Consequences for Lighting Products Heiko BECKER Erco & LightingEurope	Lighting Goes Smart - Should We Care About Cybersecurity? Alexander W. KOEHLER, Dipl. Math. UL International	The Therapeutic Role of Processor-Controlled LED Lighting to Combat the Global Epidemic of Myopia Stephen Archer MASON, Dr. Sustainable Eye Health Pty	12.30		Why is There a Light Switch on My Phone? The Importance of Interaction Design for Office Lighting Harm VAN ESSEN, Prof. Thomas VAN DE WERFF, PhD cand. Eindhoven University of Technology	
13.30				13.30	EXPO WELCOME PANEL DISCUSSION: Smart Luminaires for IoT Connectivity		
14.30	The Role of Governments in the Transformation of the SSL Industry James Norman BARDSLEY, PhD International Solid State Lighting Alliance	Metameric Circadian Lighting: A Technology Analysis Tamara ADERNEUER, MSc CSEM Center Muttenz	Implications for Human-Centric Lighting Design in Tropical Nursing Homes: A Pilot Study Szu-Cheng CHIEN, Dr. Singapore Institute of Technology	14.30	WORKSHOP: Lighting Design with DIALux evo 8.0 DIAL	Interact Indoor Navigation Applied to the Benefit of People in Shops and Offices Stefan VERBRUGH, Dr. Signify	
15.00	Future-Proofing Lighting Control Systems Patrick DURAND Future Lighting Solutions	How Digital Lighting Will Further Revolutionize Automotive Lighting Pierick BOULAY YOLE Développement	Full Spectrum LEDs and Indoor Day-light Support for Health and Wellbeing Octavio PEREZ, Dr. Mount Sinai Hospital NYC	15.00		Internet of Things (IoT) IoT Emre GUNES PLD Turkey	
15.30	Managing Connected Lighting Solutions in Real Life Giovanni FREZZA, Dr. Molex	How to Solve Increasing Challenges in LED Luminaire Production Markus SPIEKERMANN, BA Eng. BUB		15.30		Putting the Smart in Smart Buildings with Bluetooth Mesh Jim KATSANDRES Bluetooth SIG	
16.30				16.30	PANEL DISCUSSION Lighting Design Debate		
17.00	The Business Case for Sensing – How to be Ready Tom GRIFFITHS, MA Eco. ams	Can the Success of OLED Displays be Transferred to Lighting? James Norman BARDSLEY, PhD Bardsley Consulting	PANEL: Human Centric Lighting Moderator: Jan DENNEMAN Global Lighting Association	17.00	WORKSHOP: Quality of Light: Is it All About Flickering? SIGNIFY	Human Centric Lighting Review and Outlook Carla WILKINS Lichtvision Design	
17.30	Professional Lighting between Vision and Reality Christian LADE, DI Vossloh-Schwabe	Total Lighting Efficiency: Think Outside of the Chip Tom VEENSTRA Innotec		17.30		Sun - Culture - Perception - An Interactive Experience Gabi STERN	
18.00	Horticultural LED Lighting Market, Industry and Technology Trends Pars MUKISH, MSc Yole Développement	The Technology and Implementation of Dynamic Beam Shaping David KRIEBEL LensVector		18.00			

Sept. 26th, 2018 Technologies & Engineering				Sept. 26th, 2018 Be Creative			
LEDs, OLEDs and Laser Light Sources		Drivers, Connected Lighting & IoT		Materials & Engineering in Lighting		Workshops	
Time	Seestudio	Seefoyer	Propter Homines	Time	Parkstudio	Seegalerie	Showfloor
08.30	Modeling and Quantifying LED Variability Thomas MERELLE, Dr. Pi Lighting	The Business Case for Connected Lighting and IoT Services Built on Top Thomas MODER TRIDONIC	How Next Generation Design Tools Accelerate Time to Market and Secure Design Decisions Francois MIRAND Future Lighting Solutions	08.30	WORKSHOP: Quality of Light, Rethinking Lighting Specifications SIGNIFY	From Architectural Lighting to Architectural Media Brad KOERNER	
09.00	Hermetic Polymer-free White LEDs for Harsh Environments Michael KUNZER, Dr. Fraunhofer Institut Applied Solid State Physics	Benefits of an Information Centric Lighting Network Szymon SLUPIK, MSc Eng. Silvair	Reinventing Office Lighting – The Making-of an Innovative Office Task Light Till ARMBRUSTER, Dipl. Designer Licht Kunst Licht	09.00		Smart Lighting Owns the Ceiling - But What About the Walls? Matthias KASSNER, DI EnOcean	
09.30	Heat Fluxes and Temperatures in Chip-on-Board LEDs for Different Package Structures and Phosphor Technologies Max WAGNER, Dr. TU Darmstadt, Laboratory of Lighting Technology	OpenAIS: Advantages of IoT Connected Lighting in Reality Stefan VERBRUGH, Dr. Signify	Injection Moulded Diffraction Gratings on Curved Surfaces. A Breakthrough for a Cost-Effective Industrial Mass-Production Manuel WALCH, Dr. kdg optocomp	10.00			
11.00	Advancements in LED Technology Enabling High Luminance LEDs Werner GOETZ, Dr. LUMILEDS	Simulation Techniques During the Process of LED Driver Development Antonio Cuadra GIMÉNEZ, BEng. ELT	A New Approach to Optical Beam Shaping for Lighting Applications Based on Nano-Optics Marek SKERÉNS, PhD IQ Structures	11.00	WORKSHOP: Commissioning an IoT Lighting Infrastructure. What Makes it so Difficult? How the Process can be Improved? SILVAIR	LEDs in Medical Point-of-Care Testing Diagnostics - Commodity or Still Driving Technology Demand? Ulrich STÄRKER, MSc Volpi	
11.30	Rapid Evolution of High-Power LEDs Package from SMD to CSP to Direct Mountable Chip Xavier DENIS Nichia	Latest Development on Drivers – Control and Dimming Toka Meyer ANDERSEN, PhD Nordic Power Converters	Rapid Prototyping of Complex 3D Optical Components Markus POSTL, DI Joanneum Research, Institute for Surface Technologies and Photonics	11.30		What is Li-Fi? Everything You Need to Know: Opportunities & Challenges Suat TOPSUL, Prof. University of Paris Saclay	
12.00	TRI-R Technology - The Light Closest to the Sun for Human Well-Being Kumpei KOBAYASHI Toshiba Materials Materials Co., Ltd.	Influence of Converter Topology on the System Interactions Markus HECKMANN, DI (FH) OSRAM	Semi-Empirical Characterization of Freeform Microcres Arrays Oscar FERNANDEZ, PhD CSEM	12.00		BIOWNLIGHT - Brings Day-Light to Life Ramunas DANAUSKAS Seteka	
14.00	LED Filaments – A New Technology Enables Classical Design in LED Retrofit Lamps Markus HOFMANN, DI OSRAM Opto Semiconductors	DALI-2: Standardized, Interoperable Components and Smart Luminaires Scott WADE, Dr. Diall	The T-Word: Tolerancing, and its Role in Illumination Optics Design Dave JACOBSEN Lambda Research	14.00	WORKSHOP: Ambient Communication SKANDAL TECHNOLOGIES	Technology Changes Our Business. A Consultants View on the Future Challenges of the Lighting Market Walter WERNER, Dr. Werner Mgt. Services	
14.30	An Introduction of OLED Lighting Technology Claudia KEIBLER-WILLNER, DI Fraunhofer	Connected Lighting Use Cases and End User Benefits: Fixture Based Control for Outdoor and Indoor Lights Peter DUINE, PhD Signify	Multi-Functional Optical Silicone-to-Thermoplastic Over-Molded Component for LED Lighting Francois DE BUYL, PhD Dow	14.30		LED Lighting: An Active Contribution to Eye Health Stephen A. MASON, Dr. Sustainable Eye Health Pty	
15.00	The Latest Developments in Laser Light Sources For Industry-Leading Luminaire Julian CAREY, Dr. SLD Laser	Connected Emergency Lighting – Safety and Security in Controls and Emergency Lighting Jeremy LUDYJAN Fulham	Flexible Graphite for Superior Thermal Management Solutions in LED Lighting Jeff GOUGH, MBA NeoGraf Solutions	15.00		The Psychological Evolution of Urban Lighting Torsten BRAUN, Dipl. Psych. Die Lichtplaner	
16.00				16.00	PANEL DISCUSSION Innovation Debate		
16.30	LED Tape for Tunable White Based on an Inductive Design Roland MICHAL, DI Dr. Bilton	VLC Luminaire - Visible Light Communication Guido PIAL, Prof. Interstate University of Applied Sciences NTB	Aluminum Oxide PCB - Technology for Developing New Generation LED Solutions Aleksy OSIN, PhD RUSALOX	16.30	WORKSHOP: Wellness Real Estate - New Challenges in Healthy Lighting Requirements in the Built Environment Octavio PEREZ, PhD Mount Sinai Hospital NYC		
17.00	Defining the Spectrum for Unique Lighting Applications, TM-30-15 and Human Centric LED Sources Tom JORY Luminus Devices	Size Matters – Small Form Factors Drivers to Support Flicker-Free Airy and Artistic Luminary Design Keith HOPWOOD, BSc Seoul Semiconductor	Cost-Effective Manufacturing of High-Quality ITO Thin Films on 300 mm CMOS for Next Generation Display Technologies Claudiu Valentin FALUB, Dr. Evatec	17.00			LpS & TL 2018 PRESS CONFERENCE
17.30		Requirements on High Performance LED Driver for Professional LED Lighting Ulrich VOM BAUER, DI Infineon Technologies					
18.30	18.30-24.00 Get Together / Award Ceremony (Boat tour to Lindau)						

Sept. 27th, 2018 Systems & Applications				Sept. 27th, 2018 Take Action			
Lighting Applications		Lighting Quality & Testing		Lighting Requirements		Debates	
Time	Seestudio	Seefoyer	Propter Homines	Time	Parkstudio	Seegalerie	Showfloor
08.30	The Dark Side of Light: Effects of Light Pollution on Insects and Agriculture Maja GRUBISIC, Dr. Leibniz-Institute	How to Tackle the Increasing Complexity at Legislative Compliance Jacob NUESINK DEKRA	Spectral Innovations in Theater Lighting Markus REISINGER, DI Raisinger Studios	08.30	WORKSHOP: What OLED Holds for the Future of Lighting Luflex - LG OLED LIGHT LG DISPLAY	WORKSHOP: Human Centric Lighting - Designing and Operating Lighting with Human in the Center ZUMTOBEL	
09.00	LEDs Solutions for Sports Lighting Shih Shun CHANG, Dr. LUMILEDS	Aging of Potted LED Modules under Realistic Conditions Thomas SCHULZ, DI (FH) LUMITRONIX	Can Entertainment Lighting Requirements be Combined in a Comprehensive Lighting Solution Christian ALLBAUER, Dipl.-Wirtsch.-Ing. (BA) Ing. QETHG	09.30		The Future Everyday with Intelligent Lighting Harm VAN ESSEN, Prof. Thomas VAN DE WERFF, PhD cand. Eindhoven University of Technology	
09.30	Dynamic Light in a Static Luminaire Based on Mirco-Tracking Technology Noé BORY, MSc Insolight	Reliability of New Light Quality Metrics: Challenges and Opportunities Benoit HAMON, PhD Pi Lighting	Modern Lighting Audits - Technology Supporting Designers and Contractors to Verify Lighting Installation Quality Miko PRZYBYLA, MA GL Optic				
10.30	Plant's Responds to Exposure of Different Lighting Conditions Volkmar KEUTER, DI Fraunhofer Institute	Destroy in the Lab to Last in the Field – LED Robustness, Reliability and Life Time Testing Alexander WILM, DI OSRAM Opto Semiconductors	WORKSHOP: Lighting & Laser Projection for the Entertainment Industry Jose POZO, Dr. EPIC	10.30	WORKSHOP: Bended LED Lighting, Bring your Bended Design to Light OLEDWorks	Semantic Light - Where Light Meets Artificial Intelligence (AI) Zary SEGALL, Prof. The Royal Institute of Technology	
11.00	Closed Loop Control Systems for Supplementary Lighting in Smart Greenhouses Viktor Zselli ARROW	Temperature Profiling of Secondary LED Optics by Infrared Thermography Peter W. Nolte, Dr. Fraunhofer Institute	<i>Also accessible with TL pass.</i>	11.00		LIGHTTELLIGENCE - IoT Business in Lighting Christoph Peitz, Dr. Osram	
11.30	Universal LED Tubes - Detailed Descriptions of Design, Technologies and Markets Martijn Dekker, Dr. Seaborough	Light Flicker: A Reasonable Measurement Method in View Peter Erwin, DI Der Lichtpete		11.30		Human Centric Lighting Apart from Tunable White LEDs Stefan LORENZ, Dr. OSRAM Opto Semiconductors	
12.00				12.00	PANEL DISCUSSION CEO Debate		
13.00	Water Metering Data Acquisition and Transmission Through Street Lighting Enabled Network Arturo RUBIO-DOBÓN, BEng. ELT	Effects of Temporally Modulated Illumination to Human Beings Markus CANAZZI, DI/MMag. Bartenbach	WORKSHOP: Solid-State Lighting Measurements Denan KONJODZIC, Dr. Instrument Systems	13.00	WORKSHOP: LIFI End-To-End OLEDCOMM	UrbanLight - Optimized LED street lighting for Vienna Wilfried POHL, Mag. rer. nat. Bartenbach	
13.30	Luminaire Efficiency – A Proposal to Think Different Andreas NIEDERSTÄTTER, MSc Swareflex	Miniaturization & Its Consequences Marcel HUBELI, MSc Bartenbach, Nordic Power Converters		13.30		Light is the Source of Well-Being: HCL for Large Surfaces Michele GARDENAL, MBA OSRAM	
14.30	CLOSING						