

LpS 2019
LED SYMPOSIUM
professional + EXPO



Experience the
Future of Lighting

Lectures Workshops Program 2019

IN PARTNERSHIP WITH



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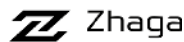
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Federal Ministry
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PROGRAM

Lps 2019 LED SYMPOSIUM + EXPO				TZL 2019		
Sept. 24th, 2019 Lighting Industry			Sept. 24th, 2019 Lighting Design			
Time	Seestudio	Seefoyer	Propter Homines	Time	Saal Bodensee	Parkstudio
REGISTRATION						
Standards Driving Business		Potentials of Digital Disruption	Human Centric Lighting I	How Smart and Intelligent Can Lighting Be?		New Lighting Design Approaches Applications
10.00	When Circular Economy Meets the Lighting Industry (LCA) <i>Deidre WOLFF, MSc IREC, Spain</i>	Supply Chain Based Disruptive Business Revolution <i>Stefan KREIDLER, Dr. onlog, Switzerland</i>		10.00	Innovative PC-App with Camera for Adjusting the Perfect Light Colour Fully Automatic <i>Peter HAUMER Lumitech, Austria</i>	Hospitality Lighting Design <i>Theodore D. KONTORIGAS, Kontorigas LD, Greece</i>
10.30	Ecodesign Directive and Energy Labeling Regulation <i>Elena SCARONI LightingEurope, Belgium</i>	LIFI Technology <i>Tomasz ZAREBA, Dr. Zumtobel, Austria</i>	Critical Opinion on the Current Development Status of HCL Solutions <i>Wilfried POHL, Mag Bartenbach, Austria</i>	10.30	Smart Lights with Machine Learning for Truly Smart Living <i>Harry EDELMAN, Dr. Arch. Prof. Tampere University, Finland</i>	Ambient Lighting Design for Persuasive Environments Using Social Media Data <i>Yasaman MAVVAL, MSc Körner Design, The Netherlands</i>
11.00	Latest Zhaga Updates - Interoperability, Smart Lighting <i>Dee DENTENEER, PhD The Zhaga Consortium, The Netherlands</i>	Collective Intelligence in Lighting Control <i>Szymon SLUPIK, MSc Silvair, Poland</i>	Lighting Beyond Light <i>Alexander WILM, DI OSRAM Opto Semiconductors, Germany</i>	11.00	The Rise of Pixel Art: The Lasting Effects of Affordable Addressable LEDs <i>Stefan Yazzie HERBERT The Paranormal Unicorn, Austria</i>	Inside the Pyramids - Light Where There Should be Darkness <i>Ruairi O'BRIEN, Professor Ruairi O'Brien Lighting Design, Egypt</i>
LUNCH						
User Centric Lighting Studies & Surveys		Innovation in Lighting Process & Realization	Human Centric Lighting II	The Light - The New Awareness		Women in Light - The Digital Era
13.00	A European Workplace Lighting Survey <i>Ganix LASA, PhD Mondragon University, Spain</i>	Virtual Prototyping in the Lighting Product Development <i>Ervand KANDELAKI, Dr. CADFEM, Germany</i>	Energy and Quality Metrics in Melanopic Stimulus Evaluation for HCL <i>Octavio Luis PEREZ, PhD Mount Sinai Hospital NYC, USA</i>	13.00	Light as Essential Part of the Concept <i>Sergei Tchoban, Arch. Tchoban Voss Architekten, Germany</i>	PANEL Women in Lighting: The Digital Era, a Step Back a Step Forward <i>Mahdis ALIASGARI & Barbara RODRIGUEZ, MA Arch, LD, Lighting Design Collective, Spain</i>
13.30	An Interactive Approach to the Optimization of Public Space Lighting with Resident's Participation <i>Boris A. PORTNOV, PhD University of Haifa, Israel</i>	Mass Personalization - User-centered Development of Lighting Solutions and Services <i>Daniel N. PIMENTA, DI Fraunhofer, Germany</i>	Current State of Knowledge and the Levels of Various Non-visual Lighting Effects <i>Lisa POHL, Dr. med. Bartenbach, Austria</i>	13.30	Langsames Licht / Slow Light - From Theory Into Practice and From Art Into Function <i>Sieggun APPEL Sieggun Appelt, Austria</i>	PANEL Women in Lighting: The Digital Era, a Step Back a Step Forward
14.00	Dynamic LED Public Lighting Solutions: Citizen Perceptions and Evaluations <i>Nicolas HOUEL, PhD Student AAU Laboratory, France</i>	Complete Luminaire Development Workflow and Practical Results for Tunnel Lighting <i>Lorenzo TREVISANELLO, PhD Aniarna, Italy</i>		14.00	Daylight and Light Design Intertwining <i>Isabel VILLAR, Maha SHALABY, MSc White Arkitekter, Sweden</i>	
BREAK						
KEYNOTES - Room: Großer Saal						
15.30	Designing with Light - Day and Night <i>Keith BRADSHAW Principal, Speirs + Major, UK</i>	Ledification and Connectivity is Changing the Lighting Industry <i>Dietmar ZEMBRITZ CTO, Trilux, Germany</i>	Lighting an Idea <i>Mark RIDLER Head of Lighting BDP, UK</i>			
17.00 Expo Opening, Press Conference, Come Together - Room: Showfloor Stage, Exhibition Area						

Sept. 25th, 2019 Lighting Industry				Sept. 25th, 2019 Lighting Design		DALI Summit 2019		
Time	Seestudio	Seefoyer	Propter Homines	Time	Saal Bodensee	Parkstudio	Time	Seegalerie
Light Sources I		Internet of Things - IoT	Optics I	Visual Perception and Health Demonstration - Experience Yourself		The Smartness of Buildings & Cities	DALI Session 1: DALI-2 Certification and Specification	
08.30	SALON, a New High Performance Red Phosphor <i>Hubert HUPPERTZ, Prof. Leopold-Franzens-University, Austria</i>	Monetizing the Cloud for Lighting Control <i>Patrick DUJAND Future Electronics, Canada</i>	Micro-optics for Efficient LED Spotlights with Arbitrary Farfield Distributions <i>Peter SCHNEIDER, Dr. Fraunhofer IOF, Germany</i>	08.30	WORKSHOP LED Lighting Concepts: Visual Perception and Health - Demonstrations <i>Wilfried POHL, Mag. Bartenbach, Austria</i>	Sensor Ready and MasterConnect: Simple, Scalable, Standardized <i>Peter DUINE Signify, The Netherlands</i>	08.30	DALI-2: The Global Standard for Smart, Digital Lighting Control <i>Scott Wade DIA</i>
09.00	Value and Opportunities from Integrated LED Matrix Solutions <i>Ingolf SISCHKA Lumileds, Germany</i>	IoT System Architecture Testing as Part of Continuous Integration <i>Jürgen WÖLFLE Tridonic, Austria</i>	Ultrathin Freeform Micro-optical Elements - The Potential of Tailor-made Light-directing Structures on Foil <i>Claude LEINER, Dr. Joanneum Research, Austria</i>	09.00	WORKSHOP LED Lighting Concepts: Visual Perception and Health - Demonstrations	Intelligent Lighting for Smart Buildings and Smart Cities Enabled by Integrated Sensing Solutions <i>Richard FIX, Dr. Bosch, Germany</i>	09.00	Expanding DALI-2 Certification for Complete System Coverage <i>Ronald Tol DIA/Signify</i>
09.30	LED Innovations for the Improvement of HCL Luminaires <i>Merino SCHAKEL Nichia, Japan</i>	The Transformation from a Luminaire Manufacturer to a Smart Building Enabler <i>Fabian GERSCHWILER Regent, Switzerland</i>	Freeform Optical Structures: From Macro to Micro Scale <i>Tamara ADEFERNEUER, MSc CSEM, Switzerland</i>	09.30	WORKSHOP LED Lighting Concepts: Visual Perception and Health - Demonstrations	Good Night = Good Light. New Ways to Reduce the Use of Artificial Lighting - Especially During Night <i>Ofer KEREN Keren Energy, Israel</i>	09.30	New DIA Specifications and Collaborations <i>Scott Wade DIA</i>
BREAK								
Light Sources II		Controls I	Optics II	Innovations in Lighting Design Thinking Out of the Box		Nutritional Light (Human Centric Lighting)	DALI Session 2: DALI in Action	
11.00	GaN-Substrate LEDs: Introduction to nPola <i>Chae Hon KIM Seoul Semiconductor, Germany</i>	80-20 Vision HCL: How to Conduct an Orchestra of Tunable White Lights to Deliver Affordable HCL <i>Patrick V. KELLY, PhD ROBUS, Ireland</i>	Rapid Optics Design and Manufacture for Future Proof Illumination Systems and Customized Project Lighting <i>Marco de VISSER Luximprint, The Netherlands</i>	11.00	Dynamic Light and Urban Spatial Artworks <i>Ruairi O'BRIEN, Professor Ruairi O'Brien Lighting Design, Egypt</i>	Light and Health: What are the Mechanisms? <i>Claude GRONFIER, PhD Professor Inserm, France</i>	11.00	Energy Efficiency, Safety and Comfort with DALI Lighting Management <i>Dirk Drona WAGO</i>
11.30	Towards New Generations of Lighting and Display: Micro-LEDs <i>Hani KANAAN, Dr. Cea Leti, France</i>	Luminaires and the Internet of Things - A Feasible Approach for Retail Applications <i>Meike BARFUSS, Prof. FH Südwestfalen, Germany</i>	Freeform Optics for Precise Non-uniform Illumination Patterns <i>Oscar FERNANDEZ, PhD CSEM, Switzerland</i>	11.30	When Lighting Design Meets Design Thinking: Putting People First <i>Sabine De SCHUTTER, MA Architectural LD Studio De Schutter, Germany</i>	From Nobel Prize to Daily Practice - Offices, Home and Therapy <i>Marijke GORDIJN, PhD, Founder/Owner Chrono@Work, The Netherlands</i>	11.30	New Opportunities for DALI with D4i in Outdoor Lighting Applications <i>Jan Fitters Signify</i>
12.00	Degradation of Green High-Power LEDs - Influence on Color Stability of Multi-Channel Luminaires <i>Alexander HERZOG, MSc TU Darmstadt, Germany</i>	Sensing Outside the Box - The Lighting and Building Automation Convergence <i>Tom GRIFFFITHS ams, USA</i>	Application of Diffraction-based Optical Components in Advanced Lighting Systems <i>Marek SKEREN, Dr. IQ Structures, Czech Republic</i>	12.00	Evolution of Lighting Design Processes in Digital Times <i>Bert JUNGHANS, DI Zumtobel, Austria</i>	Rethinking Lighting: Nutritional Light Indoors <i>Jan DENNEMAN, MSc, Chairman Foundation Good Light Group, The Netherlands</i>	12.00	Case Study: A Cloud-monitored, Fully Integrated, Large-scale DALI System <i>Fabian Mayer Trilux</i>
LUNCH								
CEO Panel - Zumtobel, Nichia, etc.								
Light Sources III		Controls II	Human Centric Lighting III	Light and Lighting Design Under The Focus		Digital Times Changes the Process of Lighting Design	DALI Session 3: DALI Developments and Next Steps	
14.30	LED Spectrum Optimization for Improvement of Human Performances and Psychophysiological Responses <i>Makoto OGAWARA Nichia, Japan</i>	Data Analytics in Connected Lighting Systems - A Case Study <i>Sebastian KNOCHÉ, Dr. Trilux, Germany</i>	Critical Evaluation of Adverse Effects of LED Light Sources <i>Markus CAVAZZEL, PhD Bartenbach, Austria</i>	14.30	Development of Neurotechnology in Lighting Design <i>Olga TUZOVA, MA Politecnico di Milano, Italy</i>	WORKSHOP Evolution of Lighting Design Processes in Digital Times <i>Holger LEBMANN, DI Architect Zumtobel, Austria</i>	14.30	Get WELL with DALI <i>Alan Jackson Helvar</i>
15.00	Wafer Integrated Chip on PCB <i>Marc JUAREZ Seoul Semiconductor, Germany</i>	IP to the Node - An Upcoming Disruption in Lighting Controls <i>Walter WERNER, Dr. Werner Mgt. Services, Austria</i>	Photobiomodulation: A New Dimension to Human Centric Lighting <i>Marlijn DEKKER, Dr. Seaborough, The Netherlands</i>	15.00	Illuminance, Apparent Brightness and Circadian Rhythms. A New Era in Lighting Design? <i>Alexandra KALIMERI, MA ME Engineers, UK</i>	WORKSHOP Evolution of Lighting Design Processes in Digital Times	15.00	Standardizing Luminaire Technology with D4i <i>Jens Herter Tridonic</i>
15.30	Synergy Between Display and Lighting Technologies <i>James Norman BARDSEY, Dr. Bardsey Consulting, USA</i>	NFC Current Configuration and Constant Lumen Output Functions in LED Power Supplies <i>Qi ZHU, Dr. Infineon, Germany</i>	Human Centric Lighting for Top Performance - Learnings from Light Stimulation of World Class Athletes <i>Andreas WOLTYTSYAK, Dr. OSRAM, Germany</i>	15.30	Safeguarding Your Investments into Connectivity <i>Mathias BURGER SAMSUNG, Germany</i>	WORKSHOP Evolution of Lighting Design Processes in Digital Times	15.30	Where does DALI Fit in a Wireless World? <i>Arnulf Rupp DIA / OSRAM</i>
BREAK								
Light Sources IV		Controls III	Future Luminary Design PANEL	The Process of Modern Lighting Design		Walk-In Light Experience @ Booth N3-N5 NICHIA	DALI Session 4: PANEL - What is the Future of DALI?	
17.00	Case Studies of Lighting Applications Implementing High Luminance Laser Light Sources <i>Julian A. CAREY SLD Laser, USA</i>	New 48V LED-Tape Technology with Optimized Efficiency <i>Roland MICHAL, Dr. Bilton, Austria</i>	Moderation by <i>Ourlania Georgoutsakou Secretary General from LightingEurope</i> Panelists: <i>Arnulf Rupp, Osram Wilfried Pohl, Repro-Light Horst Rudolph, Trilux Ruairi O'Brien</i>	17.00	Stakeholders: How Can They be Organized in Order to Achieve the Desired Quality of Public Lighting in 2030? <i>Iris DIJKSTRA, MSc Atelier LEK, The Netherlands</i>	WORKSHOP Experience The Latest Innovative LED Technologies That Truly Addresses Human Centric Lighting. Let us walk you through newest HCL solutions.	17.00	PANEL: Panelists from major lighting companies will give their company's perspective on the critical question. "What is the future of DALI?" Speakers from: <i>Helvar, Lutron, Osram, Signify and Tridonic</i>
17.30	A New Method of Spectral Tuning LED With High Color Quality <i>Daniel HAN Beijing Yuji International, China</i>	Miniaturization of LED Drivers and Integration of Connectivity <i>Laurent JENCK, MBA ERP Power, USA</i>		17.30	Light Designer's Role in Complex Projects <i>Diana GALIC, Master LD NOVA-LUX, Hungary</i>	WORKSHOP Experience The Latest Innovative LED Technologies That Truly Addresses HCL. By Giovanni Vecchio and NICHIA team.		
GET TOGETHER / AWARD CEREMONY (Eit.Gut.Halle - Harbour Lindau - 18.30-23.30)								

Sept. 26th, 2019 Lighting Industry				Sept. 26th, 2018 Lighting Design		
Time	Seestudio	Seefoyer	Propter Homines	Time	Saal Bodensee	Parkstudio
Quality and Testing I		Quality Engineering I	Light in Applications I	Digitalization in Lighting What We Should Know?		Lighting Installation Commissioning & Troubleshooting
09.00	Software for Detection of Color Defects in Light Beam <i>Saitgalina A. KAMILOVNA LLC Lighting Technologies, Russia</i>	Analysis of Improved SAC+ Solders for CSP LEDs on AI-IMS <i>Gordon ELGER, Prof. TU Ingolstadt, Germany</i>	Aspects of Different LED Spectra for Street Lighting <i>Markus HOFMANN, DI OSRAM Opto Semiconductors, Germany</i>	09.00	Light Connects - The Symbiosis of Light and Digital Content Creates New Levels of Customer Experience <i>Andreas HENRICH, DI fh+p</i>	WORKSHOP Setting up a Robust Lighting Control System with Bluetooth Mesh - From Commissioning Basics to Troubleshooting <i>Silvair, Poland</i>
09.30	Challenges for Measuring Multichip LED Light Engines for Interior Lighting Applications <i>Mete MUSLU, BSc Ozyegin University, Turkey</i>	Transient Infrared Thermography for Thermal Conduction Path Analysis of LED Modules <i>Peter W. NOLTE, Dr. Fraunhofer, Germany</i>	Real Environment Research Laboratory with Light Pollution Optimized Street Light Luminaires <i>Ferenc SZABO, PhD LightingLab Calibration Laboratory, Hungary</i>	09.30	Lighting Control - Truly Wireless <i>Matthias KASSNER, DI EnOcean, Germany</i>	WORKSHOP Setting up a Robust Lighting Control System with Bluetooth Mesh - From Commissioning Basics to Troubleshooting
10.00	Automatized Lighting Audit: Development of a Robotic Illuminance Meter <i>Péter CSUTI, PhD University of Pannonia, Hungary</i>	Plasma-metalized Flexible PCBs for LEDs Applications <i>Yaser HAJ-HMEIDI, MSc Lumitronix, Germany</i>	Are UV LEDs a Credible Alternative for Disinfection? <i>Francois MIRAND Future Electronics, France</i>	10.00	Best Practice in Wireless Lighting Controls <i>Antonio ARTECHA Casambi, Finland</i>	Improving the Performance of Daylight Harvesting Systems <i>Robert LUBAS, PhD Silvair, Poland</i>
BREAK						
Quality and Testing II		Quality Engineering II	Light in Applications II	Trends in LED Lighting Solutions		From OLEDs to Light-Guides
				10:30		Begin 10:30
11.00	Increase Product Quality with Reduced Effort: Best Practice in Photometric Measurement of LED Luminaires <i>Simon RANKEL, Dr. Ophir Spiricon, Israel</i>	Cooperation with China in the Real World of Lighting <i>Fabian BUBENDORFF, MSc Origin Services, Austria</i>	How to Reduce Jetlag by Innovative Cabin Lighting <i>Achim LEDER, Dr. jetlite, Germany</i>	11.00	Tunable Lighting Systems for Optimal Health in Humans and Plants <i>Tom JORY, MBA Luminus Devices, USA</i>	WORKSHOP Next Generation Lightguides, OLED and R2R Manufacturing <i>Jose POZO, Dr. EPIC</i>
11.30	An Evaluation Guide for Blue Light Hazard <i>Denan KONJODZIC, Dr. Instrument Systems, Germany</i>	Enhanced LED Lighting Modules Protection with New Silicone Encapsulant <i>Thierry COOREMANS, MSc Dow Silicones, Belgium</i>	UL 8800 Update and New Performance Label for Horticultural Lighting <i>Hans LASCHEFSKI, Dr. UL, Germany</i>	11.30	Spectrum Engineering for HCL <i>Aleksandar NASTOV SAMSUNG, Germany</i>	WORKSHOP Next Generation Lightguides, OLED and R2R Manufacturing
12.00	New EU Energy Consumption Regulation and Their Impact on Testing <i>Fabian FLUGGE, DI TUV SUD, Germany</i>	Predicaments & Strategies in the Development of Intelligent Lighting <i>Sandy ZHONG, MSc Liud, China</i>		12.00	Connectivity - The Core Value of New Lighting Solutions <i>Matthias Natterer, DI(FH) Beckhoff, Germany</i>	WORKSHOP Next Generation Lightguides, OLED and R2R Manufacturing
LUNCH						
CLOSING						

Celebrating

LpS 2019
LED SYMPOSIUM
professional + EXPO

TiL 2019

Get Together & Awards 2019

LAKE CRUISE | DINNER | AWARDS | MUSIC

the Complete Spectrum

SEPT 25, 2019
18.30 – 24.00

- 18.30 Boarding at the Festspielhaus Bregenz
- 19.00 Drinks reception on board the boat to Lindau
- 19.30 Arrival in Lindau
- 20.00 Dinner
- 21.00 Pause in dinner for the ceremony
- 21.45 Dessert course service
- 23.30 Depart from Lindau
- 24.00 Arrival back in Bregenz

Music by Peter Madson,
New York

Get your tickets when you register for LpS or TiL.

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Venue

Festspielhaus Bregenz
Platz der Wiener Symphoniker 1
6900 Bregenz
Austria

www.kongresskultur.com

Event Website

www.lps2019.com
www.til2019.com

Social Media Postings

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