



lectures

18.9.2018 Tuesday

8:00 - 10:30 Participants presence		
10:00 - 11:00	Opening ceremony	room: Conference Hall
	10:00 - 10:30 Opening ceremony	
11:00 - 12:30	10:30 - 11:00 Light Measuring - Since Rumford to this Day Introduction lecture	Tomáš Maixner CZ
	Chairmans: <i>Malgorzata Zalesinska (PL), Tomáš Novák (CZ)</i> room: Conference Hall	
	11:00 - 11:10 New Daylighting Metrics	Jozef Hraška SK
	11:10 - 11:20 The Window Size in Residential House Facades after the Current and New CEN Standard	Stanislav Darula SK
11:20 - 11:30	The Impact of Extending the Loggia of a Precast Panel Building on Daylight and Insolation of the Apartments	Kristýna Schulzová CZ
	11:30 - 12:30 Discussion and Partners' presentation	
	Lunch room: Restaurant Elipso	
14:00 - 15:30	12:30 - 14:00 Handing up the posters	
	Chairmans: <i>Stanislav Darula (SK), Krzysztof Wandachowicz (PL)</i> room: Conference Hall	
	14:00 - 14:10 SkyGlow Model Successfully Applied to the Evaluation of the Light Pollution over Tucson, U.S.	František Kundracík SK
	14:10 - 14:20 Factors Having a Crucial Impact on Energy Efficiency of Floodlighting	Krzysztof Skarżyński PL
14:20 - 14:30	Radiation of the Luminous Flux into the Upper Halfspace in Wils - Building Design	Petr Běčák CZ
	14:30 - 15:30 Discussion and Partners' presentation	
15:30 - 16:00 Coffe break / Poster section I.		
16:00 - 17:30	Chairmans: <i>Dionýz Gašparovský (SK), Jan Škoda (CZ)</i> room: Conference Hall	
	16:00 - 16:20 Color Rendition of Artificial Light Sources: past and future Invited lecture	Michal Vik CZ
	16:20 - 16:30 Colorimetric Characterization of Modern Mobile Displays	Péter Csuti HU
	16:30 - 16:40 Color Quality of Hybrid LED Systems	Laszlo Balazs HU
	16:40 - 16:50 The Uncertainty of Measurement of Spectroradiometric System with Double Monochromator	Martin Motyčka CZ
16:50 - 17:30 Discussion and Partners' presentation		
19:00 - 23:00 Welcome party Guarantor: <i>Petr Baxant</i> room: Music Club Titanic		

19.9.2018 Wednesday

09:00 - 10:30	Chairmans: <i>Péter Csuti (HU), Roman Dubnička (SK)</i> room: Conference Hall	
	9:00 - 9:20 Virtual prototyping of LED applications through multi-domain models of LED packages Invited lecture	Andras Poppe HU
	9:20 - 9:30 Future Photometry Based on Solid-state Lighting Products	Marek Šmíd CZ
	9:30 - 9:40 Modern Lighting Audits. Technology Supporting Designers and Contractors to Verify Lighting Installation Quality	Mikołaj Przybyła PL
	9:40 - 9:50 Novel Method of Total Spectral Radiant Flux Standard Realization	Andrzej Rybczyński PL
	9:50 - 10:00 Lighting Design Using Ray Tracing	Jan Škoda CZ
10:00 - 10:30 Discussion		
10:30 - 11:00 Coffe break / Poster section II.		
11:00 - 12:30	Chairmans: <i>Piotr Pracki (PL), Petr Žák (CZ)</i> room: Conference Hall	
	11:00 - 11:20 Directions of Research and Standardization in the Field of Outdoor Lighting Invited lecture	Dionýz Gašparovsky SK
	11:20 - 11:30 Critical Analysis of Cost Benefits of LED Retrofits in Indoor Lighting	Jana Raditschová SK
	11:30 - 11:40 Modelling the Behavior of Lighting Systems Controlled at a Constant Level of Illuminance	Tomáš Novák CZ
	11:40 - 11:50 The Calculation of Energy Saving in Use Light Management Systems	Andrzej Wiśniewski PL
11:50 - 12:30 Discussion and Exhibitors' presentation		
12:30 - 14:00 Lunch room: Restaurant Elipso		
14:30 - 18:00 Common sightseeing trip Guarantor: <i>Petr Baxant</i> place: Třebíč UNESCO part		
19:00 - 24:00 Fancy social evening (dress code: masks and disguises) Guarantor: <i>Petr Baxant</i> place: Old Historical House in Čechtín		

09:00 - 10:30 Indoor Lighting and Special Application	Chairmans: <b>András Poppe (HU), Petr Baxant (CZ)</b>		room: Conference Hall
	9:00 - 9:20	<b>Impact of Direct Lighting Luminaires' Luminous Intensity Distribution on Lighting Quality in Interiors</b> <i>Invited lecture</i>	<b>Piotr Pracki</b> PL
	9:20 - 9:30	<b>Typical Causes of Errors During Measuring Luminance Distributions in Relation to Glare Calculations</b>	<b>Sebastian Stomiński</b> PL
	9:30 - 9:40	<b>Evaluation of Lighting Parameters at the Workplace with the Use Replacements for Incandescent Lamps</b>	<b>Andrzej Pawlak</b> PL
	9:40 - 9:50	<b>Application of Arduino Platform for Light Field Analysis</b>	<b>Marek Bálský</b> CZ
	9:50 - 10:00	<b>An Adaptive and Monoculture Oriented LEDs Lamp</b>	<b>Marian Gilewski</b> PL
	10:00 - 10:30	Discussion	
10:30 - 11:00 Coffe break / Poster section III.			
11:00 - 12:30 Exterior Lighting	Chairmans: <b>Jana Radičová (SK), Ferenc Szabó (HU)</b>		room: Conference Hall
	11:00 - 11:15	<b>Public Lighting, Public Health</b>	<b>Lenka Maierová</b> CZ
	11:15 - 11:30	<b>The Measurements of the Parameters of Road Lighting - Theory and Practice</b>	<b>Krzysztof Wandachowicz</b> PL
	11:30 - 11:40	<b>Evaluation of Lighting Design Based on Computer Simulation</b>	<b>Rafał Krupiński</b> PL
	11:40 - 11:50	<b>The Floodlighting Design System Based on the Object's Daytime Photography</b>	<b>Rafał Krupiński</b> PL
	11:50 - 12:00	<b>Measurement of Outdoor Lighting with a Focus on Watchdog Lighting System in the Area of Electric Station</b>	<b>Richard Baleja</b> CZ
	12:00 - 12:30	Discussion	
12:30 - 12:40 Closing ceremony			
room: Conference Hall			
12:40 - 14:00		Lunch Removal of the posters	room: Restaurant Elipso
14:00 - 15:00 V4 meeting of conference organizers ( <i>closed to the public</i> )			room: Restaurant lounge

## posters

Poster section I.	Daylighting	P01 Analytical Estimation of Optical Efficiency of Cylindrical Light-tubes under Various CIE Sky Types	<b>Jaromír Petržala</b> SK
		P02 Bended Light-guide Modeling under Broken Cloud Arrays	<b>Ladislav Kómar</b> SK
		P03 Comparison of the Photometric Requirements for Dipped Beam as a Replacement for Daytime Running Lights	<b>Paweł Kepa</b> PL
	Colorimetry	P04 Characterization of Hybrid LED Panels	<b>Laszlo Balazs</b> HU
		P05 The Influence of Spectral Measurements Uncertainty of Fluorescent Lamps on Calculated Value of their Relative Melanop	<b>Justyna Kowalska</b> PL
Poster section II.	Measurement and Simulation	P06 Advanced Luminance Modeling of Light Sources for Simulation and Computational Purposes of Lighting Parameters	<b>Sebastian Stomiński</b> PL
		P07 Analysis of Liquid Dielectrics by Photometric Instruments	<b>Michal Krbal</b> CZ
		P08 Evaluation of Selected Parameters of Non-directional Household Lamps	<b>Malgorzata Zalesinska</b> PL
		P09 Evaluation of the Hazard Caused by Blue Light Emitted by LED Sources	<b>Andrzej Pawlak</b> PL
		P10 Measurement of Photobiological Safety for LEDs with Different Spectra	<b>Jaroslav Štěpánek</b> CZ
		P11 Measurements of the Luminance Distribution in the Classroom Using the SkyWatcher Type System	<b>Maciej Zajkowski</b> PL
		P12 The Measurement Method of Light Distribution Emitted from Sports Facilities Using Unmanned Aerial Vehicles	<b>Maciej Zajkowski</b> PL
Poster section III.	Energy Audits and Light Control	P13 Automotive LED lighting with software PWM generators	<b>Wojciech Wojtkowski</b> PL
		P14 Energetical Review of Bus wiring Systems for Lighting Control	<b>Daniel Janík</b> CZ
		P15 Electrical Parameters of Dimmable Luminaire	<b>Lukáš Lipnický</b> CZ
		P16 LED power supply with thermal protection for automotive application	<b>Wojciech Wojtkowski</b> CZ
	Indoor Lighting and Special Application	P17 A Concept of an Adaptive Luminaire with Variable Luminous Intensity Distribution	<b>Marcin Leško</b> PL
		P18 Photometric Parameters of LED Luminaires With Switchable Correlated Colour Temperature	<b>Marek Mokráň</b> SK
		P19 Experimental LED Luminaire and its Usage at Study of Plant Physiology	<b>Mikuláš Parma</b> CZ
	Exterior Lighting	P20 Analysis of Traffic Accidents as a Part of Methodology for Selecting a Lighting Class for Road Lighting	<b>Theodor Terrich</b> CZ
		P21 Meaning of Scotopic/Photopic Ratio of Light Sources in Lighting of Outdoor Spaces	<b>Joanna Maziarka</b> PL
P22 The Influence of Luminaire Photometric Data Accuracy on Road Lighting Calculations Quality		<b>Dariusz Czyżewski</b> PL	