

BALKANLIGHT'2024 CONFERENCE PROGRAMME

Wednesday, 27 November 2024

17:00 - 18:00	Conference Registration
18:00 - 20:00	Welcome Cocktail

Thursday, 28 November 2024

09:30 - 10:00	Conference Registration
10:00 - 11:45	Opening Ceremony
10:00 - 10:05	Prof Dr. Sermin Onaygil - Chairperson, BalkanLight'2024
10:05 - 10:10	Prof. Dr. Rengin Ünver - President, Turkish National Committee on Illumination
10:10 - 10:15	Fahir Gök - President, Lighting Fixtures Manufacturers Association
10:15 - 10:20	Johannes Möller - Group Show Director Building Technologies, Messe Frankfurt
10:25 - 10:45	Nevzat Şatıroğlu - Deputy Minister, Ministry of Energy and Natural Resources
10:45 - 10:50	Short Break
10:50 - 11:50	Keynote Speakers
10:50 - 11:05	"Light and Lighting: Role and Strategy of the CIE", Dr. Diana Wernisch, Secretary General, International Commission on Illumination
11:05 - 11:40	"Circadian Lighting and Longevity", Dr. Ayşegül Çoruhlu, Longevity Expert
11:40 - 12:00	Group Photo Session
12:00 - 13:00	Lunch
13:00 - 14:15	Session 1 Oral Presentations, Session Chair: Dr. Rengin Ünver, Sponsor: ATEL Smart Lighting - İbrahim Şahin
13:00 - 13:15	Lighting Design as an Urban Acupuncture - Göknur Kayır
13:15 - 13:30	Ancient High Tech: Anthemius' "Impossible" Reflector - İakovos Potamianos, Wassim Jabi
13:30 - 13:45	Night Lighting for the Castle of Chora in Samothrace, Northern Greece - Ioannis Iliadis, Konstantina Katsarou, Georgios Iliadis, Konstantinos Georgiadis
13:45 - 14:00	Study on a Parametric Model for Optimization of Lighting Parameters in Monuments and Buildings of Cultural Interest Based on Machine Learning Methods - Asterios K. Tolidis
14:00 - 14:10	Q&A
14:10 - 14:30	Coffee Break
14:30 - 15:40	Session 2 Oral Presentations, Session Chair: Prof. Dr. Banu Manav, Sponsor: Grup İmaj Lighting - Pelin Grit Sarı
14:30 - 14:45	Improving Human-Centric Lighting: Understanding Design, Implementation, and Effects - Sevdal Alparast, Sermin Onaygil
14:45 - 15:00	The Influence of Individual and Organizational Factors on the Energy Efficiency of Office Buildings: A Consolidation - Johannes Weninger, Sascha Hammes
15:00 - 15:15	An Online Survey with Turkish Participants on Human-centered Lighting and User Preferences in Working Environments - Ayşe Nur Acar, Banu Manav, Burcu Çiğdem Yılmaz, Egemen Kaymaz, Adil Sarıbay, Mehmet Timur Aydemir
15:15 - 15:30	Contrasting the Just Noticeable Difference Experiment between Central and Peripheral Fields of Vision for Sustainable Lighting Design Applications - Diana Valeria Araiza Soto, Jae Yong Suk, Michael Siminovitch
15:30 - 15:40	Q&A
15:40 - 16:00	Coffee Break
16:00 - 17:40	Session 3 Oral Presentations, Session Chair: Prof. Dr. Sermin Onaygil, Sponsor: CEMDAĞ Lighting - Sina Cem
16:00 - 16:15	Technology Selection Guide in Smart Street Lighting Control Applications - Ediz Çelik
16:15 - 16:30	Deviations and Tolerances for Road Luminance Analysis - Serhat Özenç, Önder Güler, Tobias Porsch, Seda Erkilet
16:30 - 16:45	Enabling Adaptive Road Lighting Through Traffic Flow Rate Prediction with Real Time and Historical Data - Hasan Mert Tokgöz, Mustafa Berker Yurtseven, Sermin Onaygil, Önder Güler
16:45 - 17:00	The Socio-Economic Impact on a Small City Through the Adoption of Energy-Efficient Outdoor Lighting Solutions - Anca Manolescu, Ionuț Stănescu
17:15 - 17:30	Perspectives on Urban Lighting: Pedestrian Safety and Comfort Preferences - Lanlan Wei, Grega Bizjak, Matija Svetina, Matej B. Kobav
17:30 - 17:40	Q&A
20:00 - 23:00	Gala Dinner

Friday, 29 November 2024

09:30 - 10:00	Conference Registration
10:00 - 11:23	Session 4 Presented Posters, Session Chair: Dr. Tuba Bostancı Başkan, Sponsor: BeşA Electronics - Arzu Rona
10:00 - 10:05	Chiaroscuro Effect in Real Life: Change from Traditional Fireworks to Illuminating Drone Shows by Night - Kazım Hilmi Or
10:06 - 10:11	Visual Perception of Aesthetic Material Properties under Varying Lighting Conditions - Johannes Weninger, Isabel Arnst, Maximilian Dick, Martina Ascher
10:12 - 10:17	Lighting Preferences in Sliced Iberian Sausages for Japanese and Spanish Observers - S. Okuda, M. Nagata, K. Okajima, F.J. Rodríguez-Pulido, F.J. Heredia, R. Ortega-Velázquez, M.D. Gaviño-Nadal, J. Casado-González, P.A. García, A.I. Serrano-Matias, A. Yebra, M. Melgosa
10:18 - 10:23	Daylight under Sky Conditions in an Urban Area: A Proposal based on Satellite Image processing - Raquel Yerani Cruz Sanchez, Cecilia Genoveva Guadarrama Gándara
10:24 - 10:29	A Comparative Study on the Performance Evaluation of LED based Color Cabinets - A. Kamuran Türkoğlu, Soner Atay, Erdiç Okumuş
10:30 - 10:35	A Method of Design for Road Lighting Using Low Mounting Height Luminaires to Reduce Discomfort by Flicker - Hayato Ito, Tomoki Maehama, Kousuke Miyamoto, Hiroki Futatsuya, Masaaki Hayakawa
10:36 - 10:41	Performance and Glare Analysis for Indoor Basketball Facilities - Serhat Özenç, Önder Güler, Tobias Porsch, Seda Erkilet
10:42 - 10:47	Towards Sustainable Illumination: Integrating Disaster Communication Features into Eco Friendly Lighting Systems- Zeynep Sude Kankur, Uğur Kafadar, Oguz Demirbaş, Burak Çetinkaya
10:48 - 10:53	Commission Free Wireless Emergency System - Yeşim Taşkın, Yasin Karakaya, Ahmet Tarhan
10:54 - 10:59	A Holistic Approach to Choosing Proper Window Glazing for Enhancing Energy Efficiency in Residential Spaces - Nurbanu Düzgün Atalay, Şensin Aydın Yağmur
11:00 - 11:05	"Endless Column" – Case Study for Lighting a Masterpiece - Adrian Balasoiu, Mihai Husch, Catalin Daniel Galatanu

11:06 - 11:11	An Analysis of Consumer Behavior on Residential Lighting Energy Consumption in Türkiye - Agshin Rzazade, Miraç Durhan, Lale Erdem Atılğan
11:12 - 11:17	Assigning the Optimum Lighting System Inspection Interval Using a Calibration Interval Assignment Method - Seung-Nam Park and Hyung-Seok Shim
11:17 - 11:40	Coffee Break
11:40 - 12:30	Session 5 Oral Presentations, Session Chair: Dr. Şensin Aydın Yağmur, Sponsor: EEC Electronics - Kevork Benlioğlu
11:40 - 11:55	A Study on Using Supervised Machine Learning Methods in Lighting Design - Merve Dönmez Yaşa, Şensin Aydın Yağmur
11:55 - 12:05	Enhancing Sustainability and Colour Rendering In Environmental Lighting: Exploring Alternative Reference Sources - Anastasios Dimitrakis, Evangelos-Nikolaos D. Madias, Athanasios Kotsenos, Frangiskos V. Topalis
12:05 - 12:20	A Study on Daylight System Design in Accordance with Country Guidelines and TS-EN 17037 for Primary Schools in Türkiye - Gökçe Erdemir Şendur, Alpin Köknel Yener
12:20 - 12:35	Applying Multi-Criteria Decision Analysis for Selecting Luminaires Based on Colour Preferences and Energy Consumption - Anastasios Dimitrakis, Evangelos-Nikolaos D. Madias, Athanasios Kotsenos, Frangiskos V. Topalis
12:35 - 12:45	Q&A
12:45 - 14:30	Lunch & Poster Session
13:30 - 14:30	Balkanlight Board Meeting
14:30 - 15:40	Session 6 Oral Presentations, Session Chair: Dr. M. Berker Yurtseven, Sponsor: Pelsan Lighting - Yurdem Göğüş
14:30 - 14:45	Optical Characterization of Wearable Light Sensors - Z.A. Kösemen, Y. Tuna, A. İren, S. Alan, Ç.K. Akkan, Ş. Yaran
14:45 - 15:00	Experimental Investigation of Temporal Light Artefacts in Solid State Lighting - Evangelos-Nikolaos D. Madias, Konstantinos Poundoukides, Anastasios Dimitrakis, Athanasios Kotsenos, Christos A. Christodoulou, Frangiskos V. Topalis
15:00 - 15:15	Development of a Goniophotometer Calibration Measurement Model for an Uncertainty Budget Applied to the Accreditation of a New Lighting Laboratory According to ISO/IEC 17025:2017 - Plamen Tsankov, Ivaylo Stoyanov, Milko Yovchev
15:15 - 15:30	Daylight Performance in Office Buildings with Different Depths – The Case of the Türkiye’s Municipal Type Town Planning Code - Pınar Aydın, Rengin Ünver
15:30 - 15:45	Sports Hall Light System Design Using Evolutionary Algorithm - Zdraveski Vasko, Taleski Rubin
15:45 - 15:55	Q&A
15:55 - 16:15	Coffee Break
16:15 - 16:45	Closing Session

	Poster Session
	Chiaroscuro Effect in Real Life: Change from Traditional Fireworks to Illuminating Drone Shows by Night - Kazım Hilmi Or
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	Lighting Preferences in Sliced Iberian Sausages for Japanese and Spanish Observers - S. Okuda, M. Nagata, K. Okajima, F.J. Rodríguez-Pulido, F.J. Heredia, R. Ortega-Velázquez, M.D. Gaviño-Nadal, J. Casado-González, P.A. García, A.I. Serrano-Matias, A. Yebra, M. Melgosa
	Daylight under Sky Conditions in an Urban Area: A proposal based on Satellite Image Processing - Raquel Yerani Cruz Sanchez, Cecilia Genoveva Guadarrama Gándara
	A Comparative Study on the Performance Evaluation of LED based Color Cabinets -A. Kamuran Türkoğlu, Soner Atay, Erdinç Okumuş
	A Method of Design for Road Lighting Using Low Mounting Height Luminaires to Reduce Discomfort by Flicker - Tomoki Maehama, Kousuke Miyamoto, Hiroki Futatsuya, Masaaki Hayakawa, Hayato Ito
	Visual Comfort & Glare Analysis for Indoor Sports Facilities - Serhat Özenç, Önder Güler, Tobias Porsch, Seda Erkilet
	Towards Sustainable Illumination: Integrating Disaster Communication Features into Eco Friendly Lighting Systems - Zeynep Sude Kankur, Uğur Kafadar, Oğuz Demirbaş, Burak Çetinkaya
	Commission Free Wireless Emergency System - Yeşim Taşkin, Yasin Karakaya, Ahmet Tarhan
	An Optimization Study to Choose Proper Window Glazing Affecting Building Energy Performance - Nurbanu Düzgün Atalay, Şensin Aydın Yağmur
12:45 - 14:30	“Endless Column” – Case Study for Lighting a Masterpiece - Adrian Balasoiu, Mihai Husch, Catalin Daniel Galatanu
	An Analysis of Consumer Behavior on Residential Lighting Energy Consumption in Türkiye - Agshin Rzazade, Miraç Durhan, Lale Erdem Atılğan
	Assigning the Optimum Lighting System Inspection Interval Using a Calibration Interval Assignment Method - Seung-Nam Park, Hyung-Seok Shim
	Different Realities and Illumination: Virtual Reality, Augmented Reality, Mixed Reality and Parallel Reality - Kazım Hilmi Or
	New Paradigm of Super Lighting: Virtuality and Immersiveness of The Night City - Vladimir E. Karpenko
	Ecological Light Pollution: A Pilot Study of Species-Specific Quantification - Furkan Mert Kervan, Kubilay Can, Aleyna Nur Erim, Eray Yıldız, Meriç Çelik, Zehra Tuğçe Kazanasmaz, Altuğ Didikoğlu
	Optimizing Costs for Street Lighting in Municipalities by Using Renewable Energy Sources - Angel Pachamanov, Dimitar Pavlov, Yavor Yanev, Doncho Yanev, Dessislava Pachamanova
	Exploring the Significance of Architectural Lighting of Gallery Spaces in Adaptive Reuse Buildings: A Comparative Study - Zuzana Tomkova, Jiri Palacky
	Analysis of the Global Impact of Light Pollution, Ecological Environment Perspectives - Anca Manolescu, Mihai Husch, Cătălin Daniel Gălăţanu
	About the Problem of Measuring the Distance Between Radiation Source and Photodetector - S.V. Nikanenka, A.V. Kreidzich, A.S. Jaskov
	An Investigation of Different Machine Learning Models for Lighting Energy Consumption Prediction in Office Buildings - Lale Erdem Atılğan, Duygu Bayram Kara
	Performance Evaluation of Daylight in Terms of Visual Comfort in Design Studios and Classrooms - Semih Göksel Yıldırım, Mehmet Şener Küçükdoğu