

Wednesday, 1 June

EXHIBITION OPENING

19.00 – 19.45

Luminaires created
by designers **Alexandru ALĂMOREANU** and **Gabriel PĂDUREAN**

Thursday, 2 June

OPENING SESSION

09.00 – 10.00

Opening by **Florin POP**, President of the Conference
Welcome in Cluj-Napoca by **Emil BOC**, the Mayor of Cluj-Napoca
Message of **Nicolae COROIU**, General Manager of Electrica S.A.
Message of **Radu MUNTEANU**, Rector of Technical University of Cluj-Napoca
Message in the name of **Wout van BOMMEL**, CIE President
Message of **Cornel BIANCHI**, CNRI President
Opening lecture
Tunnel lighting design in view of different european regulations by **Axel STOCKMAR**
President of CIE - German National Committee on Illumination

Thursday, 2 June

INVITED PAPERS

10.00 – 11.20

Chairpersons: **Florin POP**, **Sermin ONAYGİL**
Michel de BRUYN, **Luc de LAMALLE**, Belgium
The Urban Photometry
Luciano Di FRAIA, Italy
Energy and Maintenance Problems in Lighting
Koichi IKEDA, **Shinichiro NODA**, Japan
Prediction of Colour Appearances in Nayatani, Hunt, CIECAM and NC-IIIC Spaces for Comparison with Perceived Attributes of Munsell Colours
Janos SCHANDA, Hungary
LED Photometry and Colorimetry

Thursday, 2 June

BALKAN LIGHT SOCIETY INVITED PAPERS

11.45 – 13.30

Chairmen: **Cornel BIANCHI**, **Axel STOCKMAR**
Miomir KOSTIC, **Lidija DJOKIC**, **Dejan POJATAR**, **Natasa STRBAC-HADZIBEGOVIC** Serbia and Montenegro
Influence of the Theory of Mesopic Vision on Road Lighting Design
Sermin ONAYGİL, **Önder GÜLER**, **Emre ERKİN**, Turkey
The Effect of Observer Position and Movement on Road Lighting Criteria
ORGULAN Andrej, **VORŠIČ Jože**, Slovenia
Slovenian Experience with the Enforcement of Light Pollution Legislation
Florin POP, Romania
Demands, Efficiency and Costs of Daylighting
Hristo VASSILEV, **Krassimir VELINOV**, **Gancho GANCHEV**, Bulgaria
High Efficiency Street Luminaires

Thursday, 2 June

COLOR AND VISION

15.00 – 16.15

Chairmen: **Dorin BEU, Janos SCHANDA**

Cornel BIANCHI, Camelia BURLACU, Florin BĂLTĂREȚU, Hrisia Elena MOROLDO, Ioan PĂUȚ, Romania
Alegerea Corectă a Culoii Aparente a Luminii în Iluminatul Urban, Criteriu Determinant al Calității Ambientale
(Right Choose of the Light Apparent Color in the Urban Lighting, Determinant Criterion of the Environment Quality)

Banu MANAV, Mehmet Ş.KÜÇÜKDOĞU, Turkey
Effects of Illuminance and Color Temperature on pleasantness: a Case Study for Office Settings

Henk ROTMAN, The Netherlands
New Lamps and Gear System for Outdoorlighting - The Story of CosmoPolis

Aleksandra STOJKOVIC - Van GOETHEM, Belgium
Pedestrian Crossing: How to light it Corectly?

Silviu ŞTEFANESCU, Andi OSTROVEANU, Antoniu TURCU, Romania
Solid State Lighting a new Trend in Lighting Technology

Cristian ŞUVAGĂU, Roy HUGHES, Canada
Lighting for Good Health

Thursday, 2 June

LIGHT, THE SHAPE OF SPACE

16.20 – 18.00

Chairmen: **Alexandru ALĂMOREANU, Michel de BRUYN**

Peter DEHOFF, Austria
Office Lighting in Europe and Around the World

Ana DRNDAREVIC, Serbia and Montenegro
Decorative Illumination of St. Marko's Church in Belgrade

Ferenc HAASZ, Hungary
Modern Art Gallery was born

James Earl JEWELL, Alan Lawrence LINDSLEY, USA
Three Bridges

Zoltán MAKAI, Romania, **Ferenc HAÁSZ**, Hungary
Lumina Putnei (The Light of Putna)

Elisabeta SZABO, Csaba ZAGONI, Romania
Iluminatul Clădirilor Monument Istoric - Centrul Comercial Baia Mare Millenium III
(Lighting of the Buildings Historical Monuments – Millenium III Commercial Center Baia Mare)

Katerina TSIKALOUDAKI, Greece, **José Roberto GARCIA CHAVEZ**, Mexico
Shading and Daylighting: Synonymous or Antonynous Functions of the Building Façade?

Şerban ȚIGANAŞ, Romania
Lumina în Arhitectura Epocii Digitale (Light in the Digital Era Architecture)

Friday, 3 June

SPECIAL SESSION - LAEL, Kyung Hee University, KOREA

08.30 – 10.00

Chairmen: **Florin POP, Jeong Tai KIM**

Jeong Tai KIM, Gon KIM

Redesign of the Differentiated Window System Composed of the Daylight and View Pane of Glass

Ki Hoon MOON, Min Gu HWANG, Gil Dong CHOI, Hyun Tae AHN

Lightscape as an Evaluation Tool of Daylighting and Visual Performance

In Young JEONG, Min Gu HWANG, Ki Hoon MOON, Jeong Tai KIM

Daylighting Performance Evaluation of Sloped Lightshelf by Using Scale Model

Hyun Jeong KIM, Hwa Young SHIN, Jeong Tai KIM

Luminous Characteristics on the Lightscape of Hwaseong Fortress

Yoon Seok CHOI, So Mi YI, Hyun Tae AHN, Min Gu HWANG, Jeong Tai KIM

Validation of Lightscape as Exterior Lighting Simulation by using Digital Photometer

POSTERS

You Sook KIM, Jin Seok DO, Beom Seok LEE, In Young JEONG, Ki Hoon MOON

Mirror Sunlighting System : Development and Performance

In Bo SHIM, In Hye YU, Bong Kyun KIM, Hyun Tae AHN, Jeong Tai KIM

Characteristics of Seoul Outdoor Lighting Award

Hae Mi SHIN, Chan Su KIM, Gil Dong CHOI, Jeong Tai KIM

Outdoor Lighting Master Plan of Cheonggyecheon Restoration Project in Seoul

Friday, 3 June

LIGHTING EQUIPMENTS

10.20 – 11.40

Chairmen: **Virgil MAIER, Henk ROTMAN**

Mircea CHINDRIȘ, Andrei CZIKER, Romania

Influența Surselor de Lumină asupra Rețelelor de Alimentare a Instalațiilor de Iluminat
(Influence of Lighting Sources on Lightning Networks)

Silvia-Maria DIGA, Virginia IVANOV, Romania

Interacțiunea Transformator Trifazat de Alimentare – Rețea de Iluminat echipată cu Lămpi cu Descărcări
(Interaction Three-Phase Transformer Supply – Lighting Network with the Discharge Lamps)

Stefan FASSBINDER, Germany

Some Basic Facts and some Advanced Information on Ballasts for Fluorescent

Dorin LUCACHE, Mihai ALBU, Dan IOACHIM, Romania

Alimentarea Centralizată a Tuburilor Fluorescente la Înaltă Frecvență
(High Frequency Centralized Supply of the Fluorescent Lamps)

Sermin ONAYGİL, Emre ERKİN, Önder GÜLER, Turkey

Applicable Light Points in the Residences for Compact Fluorescent Lamps and Potential Energy Saving

Călin ORĂVIȚAN, Romania

Determinări Experimentale privind Lămpile cu Descărcare în Vaporii de Sodiu ca Surse de Poluare Electromagnetică
(Experimental Study on the Sodium Lamps as Electromagnetic Pollution Sources)

Friday, 3 June

EXTERIOR LIGHTING

12.20 – 14.00

Chairmen: **Cătălin Daniel GĂLĂȚANU, Luciano DI FRAIA**

Cătălin Daniel GĂLĂȚANU, Iulian GHERASIM, Jan IGNAT, Alina OȚEL, Romania
Aspects of Street Lighting Quality in the Market Economy

Virgil MAIER, Corina MARTINEAC, Sorin PAVEL, Romania
Calculul Numeric al Fluxului Luminos (Numerical Calculus of the Luminous Flux)

Gyula MAJOR, Hungary
Stadium Lighting in Hungary

Corina MARTINEAC, Virgil MAIER, Sorin PAVEL, Romania
Aplicații ale Metodei Fluxului Integral la verificarea Parametrelor Luminotehnici ai Sistemelor de Iluminat Exterior
(Application of the Integral Flux Method on the Lighting Systems Luminous Parameters Verification)

Angel PACHAMANOV, Radostin PACHAMANOV, Bulgaria
Automatic Control and Monitoring of Tunnel Lighting through Power Line Carrier Communication

Dessislava PACHAMANOVA, USA, **Angel PACHAMANOV**, Bulgaria
Optimization Model for Automatic Control of Tunnel Lighting using Power Line Carrier Communication

Neli RATZ, Emil RATZ, Angel PACHAMANOV, Bulgaria
Creation of High Pressure Discharge Lamps Compatible Models in MATLAB

POSTER

Daniel BREBENARIU, Romania
Eficiență Energetică în Sistemul de Iluminat Public al Municipiului Reșița (Energy Efficiency in the Public Lighting System of Reșița)

Friday, 3 June

INTERIOR LIGHTING

15.30 – 18.00

Chairmen: **Mircea CHINDRIȘ, Koichi IKEDA**

Paolo BERTOLDI, Călin CIUGUDEANU, Italy
Five - Year Assessment of the European GreenLight Programme

Cornel BIANCHI, Mihai HUSCH, Cosmin ȚICLEANU, Romania
Implementarea unei Structuri Profesionale Reale în Concepția, Realizarea și Menținerea Sistemelor de Iluminat – O Necesitate Actuală
(Implementation of the Professional Structure in the Conception, Execution and Maintenance of the Lighting Systems – a Real Necessity)

Cornel BIANCHI, Cosmin ȚICLEANU, Romania
Utilizarea Modernă a Luminii Naturale în Sistemele de Iluminat Interior
(Modern Utilization of Daylight in Interior Lighting)

Dorin BEU, Florin POP, Romania
Energy Efficiency in Interior Lighting – a Romanian case Study

Paul DINCULESCU, Romania
Asupra Condițiilor de Referință în Calculul Instalațiilor de Iluminat Interior General
(On the Reference Conditions in General Interior Lighting Calculations)

Oana DOBRE, Gilbert ACHARD, France
Optical Modelling of a Diffusing Prism Light Pipe using the Apilux Software

Cătălin Daniel GĂLĂȚANU, Romania
Quantitative Approach in Virtual Reality

Adrian GLIGOR, Horațiu Ștefan GRIF, Florin POP, Romania
Considerații privind un Sistem de Control Inteligent pentru un Iluminat Eficient
(Aspects on an Intelligent Control System for an Efficient Lighting)

GRIF Horatiu Stefan*, GLIGOR Adrian*, POP Florin, Romania
Daylight Control using Internal Model Control Principle

Monica MUNTEAN, Canada, **Ioan ȘORA**, Romania
Modeling Methods for Interior Lighting Systems – Local Illumination Models

Monica MUNTEAN, Canada, **Ioan ȘORA**, Romania
Modeling Methods for Interior Lighting Systems – Global Illumination Models