

ALAN 2016 preliminary schedule

Note that only presenters are listed here, complete author lists are available in the conference abstract booklet. Invited speakers are listed in bold. The numbers next to the titles indicate the abstract number. This number will be displayed on the poster boards.

Monday, September 26

8:30-10:20 registration open, poster setup & coffee

9:50-10:05 session chair meeting

Session 1

Opening Session (OPEN TO THE PUBLIC)

Chair : Dorin Beu

10:20-10:40	TBA	Welcome to Cluj-Napoca Welcome to ALAN
10:40-11:05	Franz Hölker	(1) Keynote opening
11:05-11:30	George Brainard	(2) Exploring the Power of Light and Darkness: From the International Space Station to Cancer Risk
11:30-11:55	Alexandru Florin Sirca	(3) Human adaptive artificial lighting for public spaces
11:55-12:15	Eva Knop	(4) The impact of artificial lighting on pollination success
12:15-12:25	Oscar Corcho	(5) STARS4ALL - A collective Awareness Platform for Promoting Dark Skies

PUBLIC PORTION ENDS

12:25 – 13:30 lunch

Session 2

Health

Chair : Sibylle Schroer

13:30-13:35	Gold sponsor elevator pitches	
13:35-13:50	Poster session 3 elevator pitches	Titles in session 3, below
13:50-14:15	Michal Zeman	(6) Physiological mechanisms mediating negative effects of ALAN on human health
14:15-14:35	Abraham Haim	(7) Energy efficient short wavelength illumination - can this come on the account of our health risk?
14:35-14:55	Paul Marchant	(8) Does increasing road lighting increase road injuries?
14:55-15:05	Discussion & conclusion	

Poster Session 3: Technology & Design and Measurements & Models

15:05 – 16:30 (including coffee break)

Technology & Design	Dimitra Anagnostopoulou	(45) Comparative Analysis of Artificial Lighting for the Facades of Byzantine Temples in Greece
	William Beauchesne	(46) A Lamp Spectral Power Distribution Web Access Database for research applications
	Catalin Galatanu	(47) Public Lighting: The paradigm Change
	Hyojoo Kong	(48) Measurement Method of Light Pollution for Decorative and Advertising Lighting in South Korea
	Timothy Shotbolt	(49) Developing Light Spill Criteria Considering the Environment Not Just Mankind
	Stelios Zerefos	(50) Creating a methodology for presenting lighting designs
Measurements & Models	Christopher Baddiley (Martin Morgan Taylor)	(51) Light pollution modelling and measurements of the effects of county rollout of blue rich LED lighting on an Area of Outstanding-Natural-Beauty.
	Roland Dechesne	(52) Integrated study of Sky Glow, Calgary, Alberta, Canada
	Anita Dömény	(53) Night sky quality monitoring in existing and planned dark sky parks by digital cameras
	Brian Espey	(54) The growth in lighting in Ireland pre- and post-Celtic Tiger: population and economics
	Andreas Hänel	(55) SQMDroid – A universal SQM measurement device
	Andreas Jechow	(56) Using fisheye-lens imagery to track the reach of skyglow under clear and partly cloudy conditions near Montsec Astronomical Park in Spain
	Andreas Jechow	(57) Measuring the night sky brightness in a coastal environment: fisheye lens imagery from a boat
	Gon Kim	(58) Real survey measurement and process for the determination of lighting environment management zone in South Korea
	Kornél Kolláth	(59) Estimating the height of low-level stratiform clouds at night by photometric measurements
	Jongmin Lim	(60) An Installation Guideline of Preventing Light Pollution in Residential Area's Street Lighting in South Korea
	Henryka Netzel	(61) Updated high-resolution map of light pollution
	NataliyaRybnikova	(62) Identifying Geographic Location of Research and Educational Activities Using Spectral Properties of Light Emitted During Nighttime
	Alejandro Sánchez de Miguel	(63) STARS4ALL night sky brightness photometer
	Nur Shariff	(64) Light Pollution and its Impact towards Islamic New Moon (hilal) Observation

Measurements & Models (cont)	Alexandre Simoneau	(65) Potential impact of a transition to white LED on the sky of Hawaii
	Leena Tähkämö	(66) Developing an environmental impact category of light pollution for life cycle assessment

Session 4 Technology & Design

Chair: Andreas Jechow

16:30-16:55	Maurice Donners	(9) Preserving the night using outdoor lighting intelligently
16:55-17:15	Johanne Roby	(10) An Innovative Lighting System with Adjustable Spectrum that Mimics Natural Light in Intensity and Color
17:15-17:35	Parisa Khademagha	(11) Directionality: an important light parameter for human health to consider in lighting design
17:35-17:45	Discussion & conclusion	
17:45-18:30	open discussion in poster room	

Evening event TBA (STARS4ALL observation of stars and/or app flashmob)

Tuesday, September 27

Session 5 The human side of light

Chair : Josiane Meier

9:00-9:15	Poster session 7 elevator pitches	Titles in session 7, below
9:15-9:40	Anna Steidle	(12) Light and darkness and its impact on human behavior
9:40-10:05	Siegrun Appelt	(13) Touched by light
10:05-10:30	Gregory Dobler	(14) The Pulse of the City Lights
10:30-10:50	Thomas Kantermann	(15) Comparing Circadian Questionnaires with the Dim Light Melatonin Onset
10:50-11:00	Discussion & conclusion	
11:00-11:20	coffee break	

Session 6

6a Remote Sensing

6b Birds

Chair: Constance Walker

Chair: Marcel Visser

11:20-11:40

Alejandro Sanchez de Miguel

Airam Rodriguez

(16) Are LEDs reducing light pollution?: Dealing with light pollution in a colour changing world

(20) GPS tracking for mapping seabird mortality induced by light pollution

11:40-12:00

Geza Gyuk

Roland Dechesne

(17) NITESat: A High Resolution, Full-Color, Light Pollution Imaging Satellite Mission

(21) Nocturnal seabirds: light pollution's impact on their global ecological niche

12:00-12:20

James Carr

Arnaud Da Silva

(18) Observing Nightlights from Space with TEMPO

(22) Effect of intelligent experimental lighting on bird singing and foraging behaviours

12:20-12:40

Christopher Kyba

Barbara Helm

(19) Are relationships between artificial light emission and land use dependent on community size?

(23) Extensive whole-body effects of experimentally applied artificial light at night on birds

12:40-12:50

Discussion and conclusion

Discussion and conclusion

12:50-13:50

lunch

13:50-15:15

Poster Session 7: Health, Society, and Biology & Ecology

(coffee available from 15:00)

Health

Amit Green

(67) The effects of screen illumination on: sleep efficiency and architecture, physiology, emotion and behavior- possible effect on human health

Christopher Kyba

(68) Evidence for the waking effect of sunlight during winter in social media data

Katharina Stebelová

(69) Different intensities of light exposure during the sleep and its impact on concentration of melatonin and sleep quality

Society

John Barentine

(70) Going for The Gold: Quantifying and Ranking Visual Night Sky Quality in International Dark Sky Places

Andrea Giacomelli

(71) Participatory Dark Sky Quality Monitoring from Italy: interactions between awareness raising and research

Emanuele Giordano

(72) Outdoor lighting design as a tool for tourism development. The case of Valladolid.

Jeong Tai Kim

(73) Light Pollution Prevention Act in Korea

Efthalia Velegraki

(74) Lighting and the Urban Space - Illuminating the collective memory

Constance Walker

(75) Societal Contributions to Globe at Night Observations in the Last 10 Years

Constance Walker

(76) The Quality Lighting Teaching Kit: Inspiring our Society to be Part of the Solution to Light Pollution

Biology & Ecology	Yael Ballon	(77) The effects of different lightning regimes on activity rhythms of the eastern spadefoot (<i>Pelobates syriacus</i>)
	Anika Brüning	(78) Spotlight on fish: The impacts of artificial light at night on biological rhythms of European perch and roach
	Roy van Grunsven	(79) The response of migrating toads to artificial lights.
	István Gyarmathy	(80) Hortobágy National Park – an island of undisturbed nighttime environment
	James Hale	(81) Baseline lighting data for landscape biodiversity conservation
	Julia Hoffmann	(82) Effects of different types of artificial light at night on a small mammal
	Tzlil Labin	(83) Influences of exposure to different LED illumination wavelengths on activity patterns in common spiny mice (<i>Acomys dimidiatus</i>)
	Sohyun Lee	(84) The First Dark Sky Park in Asia: Yeongyang Firefly Eco Park in South Korea
	Julie Pauwels	(85) Dark corridors: accounting for light pollution in connectivity modelling for urban bats
	Thomas Raap	(86) Light pollution affects body mass and oxidative status in free-living nestling songbirds: an experimental study
Marcel Visser	(87) Long-term population effects of experimental artificial illumination of a forest edge ecosystem	

Session 8	8a The nighttime environment	8b Ecological field experiments
	Chair: Dietrich Henckel	Chair: Eva Knop
15:15-15:35	Antonella Radicchi & Josiane Meier (24) Urban Planning Challenges: Toward integrated approaches to sustainable lightscape and soundscape planning	Andreas Jechow (29) Design and modeling of an illumination light source for a large scale freshwater experiment at LakeLab on lake Stechlin, Germany
15:35-15:55	Katharina Gabriel (25) Levels of night sky quality in Germany	Maja Grubisic (30) Artificial light at night affects biomass and community composition of freshwater primary producers
15:55-16:15	Andrej Mohar (26) Correlated Color Temperature (CCT) of Natural and Light-polluted Sky	Jonathan Bennie (31) Trophic effects of artificial light on plant and invertebrate populations in a five-year ecological experiment

16:15-16:35	Dimitris Nikolaou	Thomas Davies
	(27) Technical and economical assessment of the containment of light pollution through the use of luminous intensity restrictive measures	(32) Comparing the impacts of multiple nighttime LED lighting strategies in a grassland ecosystem
16:35-16:55	Axel Stockmar	Kamiel Spoelstra
	(28) Lighting of railway premises - Minimizing obtrusive lighting according to current regulations	(33) Effects of artificial light on mammals: gain and loss of habitat, behavioural changes and cascading effects
16:55-17:05	Discussion and conclusion	Discussion and conclusion

Time TBA: Conference Dinner Klausenburger Restaurant www.klausenburger.ro

Wednesday, September 28

Session 9 Ecology

Chair: Barbara Helm

10:00-10:25	Sharon Wise	(34) Intrusion of artificial light at night into leaf-litter habitats: Implications for activity in a nocturnal salamander
10:25-10:45	Alessandro Manfrin	(35) Artificial light at night affects biotic linkages between aquatic and riparian ecosystems
10:45-11:15	Clémentine Azam	(36) Considering light pollution at different spatial scales: How can we mitigate the impacts of artificial lighting on bats in urban landscapes?
11:15-11:25	Discussion & conclusion	
11:25-11:45	coffee break	

Session 10 Ecophysiology

Chair: Jonathan Bennie

11:45-12:05	Joanna Durrant	(37) Dim light at night reduces cricket immune function
12:05-12:25	Davide Dominoni	(38) The effects of light pollution on stress, energy expenditure and personality in free living songbirds: results from an experimental illumination of forest edges
12:25-12:45	Kylie Robert	(39) Artificial light at night desynchronizes strictly seasonal reproduction in a wild mammal
12:45-12:55	Discussion & conclusion	
12:55 – 14:00	lunch & take down posters	

Session 11 Concluding Session

Chair: Johanne Roby

14:00-14:25	Martin Aubé	(40) The LED outdoor lighting revolution: Opportunities, threats and mitigation
14:25-14:45	Kellie Pendoley	(41) Transcontinental Australia, Dark Sky Quality Survey; Perth to Brisbane, one road, 5500km, 9 days
14:45-15:05	Salvador Ribas	(42) How clouds are amplifying (or not) the effects of ALAN
15:05-15:25	Taylor Stone	(43) The ethics of artificial nighttime lighting: creating a taxonomy of darkness as a moral value
15:25-15:30	Discussion	
15:30-15:50	Sibylle Schroer	(44) The Loss of the Night Network (LoNNe) Conference wrap up and announcement of ALAN 2018