

ALAN 2021 schedule

June 15-17

Access to the venue: <https://www.virtualchair.net/events/alan-2021>

Note: Once you are in the venue, you can find the times of all of the events will be visible in your local time zone by clicking on the calendar icon on the left of your screen.

A Sessions 8:00-11:00 UTC

Sydney: 18:00-20:00 oral, 20:00-21:00 poster
Hong Kong: 16:00-18:00 oral, 18:00-19:00 poster
New Delhi: 13:30-15:30 oral, 15:30-16:30 poster
Athens: 11:00-13:00 oral, 13:00-14:00 poster
Berlin: 10:00-12:00 oral, 12:00-13:00 poster
London: 9:00-11:00 oral, 11:00-12:00 poster
New York: 4:00-6:00 oral, 6:00-7:00 poster
Los Angeles: 1:00-3:00 oral, 3:00-4:00 poster
Honolulu: 22:00-00:00 oral, 00:00-1:00 poster

B Sessions 16:00-19:00 UTC

Sydney: 2:00-4:00 oral, 4:00-5:00 poster (next day!)
Hong Kong: 0:00-2:00 oral, 2:00-3:00 poster (next day!)
New Delhi: 21:30-23:30 oral, 23:30-0:30 poster
Athens: 19:00-21:00 oral, 21:00-22:00 poster
Berlin: 18:00-20:00 oral, 20:00-21:00 poster
London: 17:00-19:00 oral, 21:00-12:00 poster
New York: 12:00-14:00 oral, 14:00-15:00 poster
Los Angeles: 9:00-11:00 oral, 11:00-12:00 poster
Honolulu: 6:00-8:00 oral, 8:00-9:00 poster

Watch parties

Watch party 1: 05:00-07:40 UTC (before A session plenary)
Watch party 2: 11:30-14:10 UTC (between A and B sessions)
Watch party 3: 19:30-22:10 UTC (after B session posters)

Note: the watch parties will not be officially moderated. Authors are invited to attend to answer questions between talks at any of the showings that are convenient for them. If the author is not there, feel free to have a discussion with the other participants while waiting for the next talk to start.

Session 1A - June 15, 8:00-11:00 UTC

Chair: Chu Wing So, The University of Hong Kong

Welcoming address: Salvador Ribas

Instructions for participating: Sibylle Schroer

Invited speaker: Salvador Bará, Universidade de Santiago de Compostela

Pre-recorded video presentations:

Fernando Jauregui: Living the Pyrenean night

Salvador Ribas: ASTMN and Sky Quality Camera: two devices and the same sky, but same results?

Panel topic: “Are the years of peace over?”

Additional panel members: Costis Bouroussis, Nona Schulte-Römer, Sibylle Schroer

Posters:

Presenter	Title
Andreas Jechow	Artificial light at night disturbs zooplankton under lake ice, a case study at Lake Baikal, Russia
Cesar San Miguel, et al.	The First 365 Nights: Australia's National Light Pollution Guidelines for Wildlife
Elena Maggi	GLOW – The Global artificial Light Ocean netWork
Jaume Escofet	Procedure to estimate lighting at mesopic/scopic levels in epidemiological studies
Jérôme Loiret, et al.	Bats : Which Tolerability For Light Pollution?
Mona Storms	Moth matchmaking in moonlight: For male moths the quest to find mates is influenced by the position of the moon
Nona Schulte-Römer	Nachtlicht-BÜHNE: update on the German citizen science project to create large area lighting surveys
Paul Majmader	Veritas Imagery Services (ALAN Bronze sponsor)
Rochelle J. Meah, et al.	Light pollution and nocturnal navigation using the lunar polarization pattern in a spider
Stan Moaraf	Artificial light at night disrupts sleep behavior in zebra finches
Tomasz Ścieżor	The impact of the night sky brightness on the water quality indicators in the Dobczyce Reservoir, Poland

Session 1B - June 15, 16:00-19:00 UTC

Chair: Martin Morgan-Taylor, De Montfort University

Welcome to the conference: Salvador Ribas

Instructions for participating: Sibylle Schroer

Invited speaker: Hollis Clayson, Northwestern University

Pre-recorded video presentations:

Jeanne Bloch: Impact of light pollution on human imagination

Taylor Stone: Light Touch: A Design Strategy for Responsible Urban Park Lighting

Anna Apró: The light pollution and the UN Sustainable Development Goals (2016-2030)

Panel topic: “Recognizing light as a local and global environmental change”

Additional panel members: Anna Apró, Jeanne Bloch, Taylor Stone

Announcement of the ALAN 2023 location

Posters:

Presenter	Title
Allison Wilkerson	Cosmic Connections: An Intuitive Inquiry into the Sociocultural Experiences of Engaging with Outer Space in Scotland
Ammar Farkouh, et al.	Mapping the Melatonin Suppression Index in Sherbrooke (Canada) with the LANcube
Anna Apró	Recognition of light pollution problems, search for solutions in human ecological approach
Ariel Levi Simons, et al.	Ground-level nighttime illuminance influences distribution of species on sandy beaches
Brett Seymoure	Moth survival increases under high pressure sodium lights
Elizabeth Rehbein, et al.	Lidar measurements of insect distributions near light fixtures with different spectra
Éva Nagy	Impact of light pollution on biodiversity Challenges for education
Flóra Siska	Investigation of the spectral response of the environment
Héctor Lamphar	A methodology for a light pollution network with optimal sensor location
Jaime Zamorano, et al.	AZOTEA: (Zenithal astronomy during & after the lockdown)
Jochen Krautwald	Eco-linguistic analyses of knowledge transfer on the topic of artificial outdoor lightning: Are the extent and the effects of light pollution regularly underestimated? On the discussion of consequences for

	nature conservation and environmental protection
Murry Burgess	Metabolic Health and Physical Development of Barn Swallow (<i>Hirundo Rustica</i>) Chicks Under Natural Photoperiod and Artificial Light at Night
Paul Majmader	Veritas Imagery Services (ALAN Bronze sponsor)

Day 1 watch party

The starting time (in **UTC**) for each of the presentations is shown below.

W1	W2	W3	Speaker	Title
5:00	11:30	19:30	Brian Espey	Modelling Light Emission Using Real-world Lighting and Obstruction Information
5:20	11:50	19:50	Christina Luchs	Impact of light pollution on freshwater zooplankton distribution along an urban river and at illuminated bridges
5:40	12:10	20:10	Constance Walker	Outcomes from the Dark & Quiet Skies Workshop Reports
6:00	12:30	20:30	Iker Pardo	Pyrenees La Nuit: Impact of artificial light at night on nocturnal Lepidoptera in the Western Pyrenees
6:20	12:50	20:50	Johannes Puschnig, Stefan Wallner	Long-term assessment of light pollution in 3 major European cities - How to overcome SQM aging and meteorological effects
6:40	13:10	21:10	Ken Walczak	Urban to rural nighttime light emissions observed with a simultaneous radial transect of GONet all-sky cameras
7:00	13:30	21:30	Maria Zschorn	Modelling and Assessing Light Pollution for Environmental Planning with GIS
7:20	13:50	21:50	Shengjie Liu	The relationship between night sky brightness and remote sensing data: Preliminary result from Luojia-1 and the International Space Station

Session 2A - June 16, 8:00-11:00 UTC

Chair: Eva Schernhammer, Medical University of Vienna & Harvard Medical School

Invited speaker: Maria Angeles Rol, University of Murcia

Pre-recorded video presentations:

Eric Sanders: The Impact of Image Resolution on Power, Bias, and Confounding: A simulation study of ambient light at night exposure

Johanne Roby: An Urban Starry Sky Oasis in the Heart of the City of Sherbrooke, Canada

Panel topic: “Healthy communities and ecosystems”

Additional panel members: Anat Barnea, Anupama Yadav, Johanne Roby

Posters:

Presenter	Title
Alcalde, J. T., Puig, X., Martínez, I.	Pyrenees La Nuit: Influence of artificial lighting on bat activity in Western Pyrenees
Anupama Yadav	A comparative account of acute versus chronic exposure of LAN on behavior and physiology of resident Indian Weaver bird
Christopher Baddiley	Dark sky measurement data, profile fitting at MHAONB and backscatter ratio
Chu Wing So	A Multinational Study of Night Sky Brightness patterns: preliminary results from the Globe at Night – Sky Brightness Monitoring Network (GaN-MN)
Dénes Száz	Local mapping of sky quality in existing and potential dark sky places
Hannah Dalglish	Dark sky tourism and the need for a new academic network
Manuel Garcia Gil	Sky brightness assessment in Catalan protected areas
Paul Majmader	Veritas Imagery Services (ALAN Bronze sponsor)
Ryan Manuel Guido, Ernest Macalalad	Light Pollution in Selected Philippine Metropolitan Areas using Radiance Measurement from VIIRS
Sze-leung Cheung, et al.	Development of dark sky astrotourism in Thailand and its motivation
Valentina S. Rumanova, et al.	The deregulation of glucose metabolism after exposure to dim light at night in rats
Viera Jerigova	Neutrophil response to lipopolysaccharide under dim light at night in rats

Session 2B - June 16, 16:00-19:00 UTC

Chair: Héctor Antonio Solano Lamphar, Consejo Nacional de Ciencia y Tecnología

Invited speaker: Li-Wei Hung, US National Parks Service

Pre-recorded video presentations:

Martin Aubé: The radiative transfer model Illumina v2.0: Added features and capabilities

Hector Linares: Sky brightness simulation with Illumina over locations from the Pyrenees La Nuit Project

Zoltán Kolláth: Mapping the risk of the degradation of sky quality and the potential biological effects at dark sky places and protected area

Panel topic: “Measurement and modeling of outdoor light”

Additional panel members: Hector Linares, Martin Aubé, Zoltán Kolláth

Posters:

Presenter	Title
Alexandre Simoneau	Simple methods to calibrate a digital camera
Charles Marseille	Temporal variations of the multispectral night sky brightness on Tenerife Island
Dénes Száz, Zoltán Kolláth	Measurements for determining spectral correction factor for satellite observations and field test of light pollution maps
Flóra Siska	Light stress - light pollution Effect of street lights on the development of <i>Celtis occidentalis</i> L.
Héctor Lamphar	SkyMeAPP: a citizen science project to study light pollution
Jérôme Leblanc	Point Spread Functions for mapping artificial night sky luminance over large territories
Jessica Heim	Dark sky advocacy in Stanley, Idaho: a case study of a rural community's dark sky friendly LED streetlight retrofit and related dark sky initiatives
Monica Lozada-Muñoz, Héctor Solano-Lamphar	Simulations of light pollution over the Natural Reserve "La Primavera" in Guadalajara Jalisco México
Nikki Veilleux, et al.	Mapping the Melatonin Suppression Index with the International Space Station colour images
Rochelle J. Meah, et al.	Light pollution and nocturnal navigation using the lunar polarization pattern in a spider
Stefan Wallner, et al.	Sky Quality Meter vs. 'Reality' - Investigating the true effectiveness of SQMs during lighting conversions in Vienna

Day 2 watch party

The starting time (in **UTC**) for each of the presentations is shown below.

W1	W2	W3	Speaker	Title
5:00	11:30	19:30	Dénes Száz, et al.	Multispectral sky quality survey in the Hungarian national parks
5:20	11:50	19:50	Eduard Masana	GAMBONS: A multi-band Gaia – Hipparcos map of the natural night sky brightness
5:40	12:10	20:10	Fabio Falchi, Salvador Bará	Computing light pollution indicators
6:00	12:30	20:30	Karpińska Dominika	Device for automatic measurement of light pollution of the night sky – test results and conditions of operation
6:20	12:50	20:50	Nicolás Cardiel	Definition of a new RGB photometric system and UCM library of synthetic spectrophotometric standard stars
6:40	13:10	21:10	Paulina Villalobos	The light for the value of the night. Are the basic principles for interior good lighting design not present in the night of our cities?
7:00	13:30	21:30	Pietro Fiorentin	Instrument verification and atmospheric phenomena in relation to the NSB time series

Session 3A - June 17, 8:00-11:00 UTC

Chair: Catherine Perez Vega, Freie Universität Berlin & Leibniz-Institute of Freshwater Ecology and Inland Fisheries

Poster prize winner announcement: Franz Hölker

Invited speaker: Mark Major, Speirs Major

Pre-recorded video presentations:

Georgia MacMillan: Learning from Newport, Ireland

Aleš Šubic: Reasons for the failure of light pollution prevention legislation in Slovenia

Andreas Hänel: Fraction and change of public lighting in Preussisch-Oldendorf, Germany

Panel topic: “Recent and future changes in outdoor lighting”

Additional panel members: Andreas Hänel, Aleš Šubic, Georgia MacMillan

Session 3B - June 17, 16:00-19:00 UTC

Chair: Murry Burgess, North Carolina State University

Invited speaker: Maja Grubisic, Leibniz-Institute of Freshwater Ecology and Inland Fisheries

Pre-recorded video presentations:

Janine Bolliger: Contrasting effects of street-light shapes and LED color temperatures on nocturnal insects and bats

Festus Kehinde: Testes histo-morphological changes in laboratory rats, *Rattus norvegicus*, exposed to Artificial Light at Night (ALAN)

Keren Levy: Artificial Light at Night affects the timing of stridulation and locomotion behavior in the cricket *Gryllus bimaculatus*

Panel topic: “Biology & Ecology”

Additional panel members: Brett Seymoure, Elena Maggi, Elizabeth Rehbein

ALAN 2021 Farewell: Christopher Kyba

Day 3 watch party

The starting time (in **UTC**) for each of the presentations is shown below.

W1	W2	W3	Speaker	Title
5:00	11:30	19:30	Anat Barnea	Effect of Artificial light at night (ALAN) on brain plasticity, melatonin, and behavior in birds: An interim summary
5:20	11:50	19:50	Ashton L. Dickerson	The effect of artificial light at night on nocturnal song behaviour in a diurnal bird species
5:40	12:10	20:10	Geoffrey Miller	Feeding of a diurnal caterpillar increased directly by artificial light at night, but not indirectly via effects on host-plant quality
6:00	12:30	20:30	Léa Mariton	Bat activity patterns may change when exposed to Artificial Light At Night (ALAN) at their foraging sites
6:20	12:50	20:50	Magdalena Czarnecka	Artificial light at night alters leaf litter consumption, growth and behaviour of freshwater shredders
6:40	13:10	21:10	Nicholas Roberts, et al.	The impact of light pollution on celestial visual information invertebrates use as a navigational cue
7:00	13:30	21:30	Nikolas Willmott	Poisoning the web: Effects of artificial light at night and pesticides on urban spiders