

ALAN 2018 preliminary schedule

Sunday, November 11

12:00-6:00 PM (tentative) Registration - Lobby- Ballroom 1

16:00-18:00 Skyglow presentation, **Gavin Heffernan & Harun Mehmedinovic - Ballroom 1**

18:30-20:00 Reception, pommes frites station, cash bar - **Golden Cliff**

Monday, November 12

8:00-9:00 registration open & poster setup - **Ballroom 2**

8:45-9:00 session chair meeting - **Cirque**

Oral Session 1 – Opening Session

Ballroom 1

Chair: John Barentine

9:00-9:25	Welcome to ALAN! Welcome to Utah!	
9:25-9:50	Alan Matheson Jr.	Utah's commitment to dark skies
9:50-9:55	Rebecca Dilg	Utah Governor's Office of Economic Development
9:55-10:15	Daniel Mendoza	Urban Emissions and Nightlights
10:15-10:35	Sara Pritchard & Erin McLaughlin	Describing artificial light at night: Keywords in light pollution literature and why they matter
10:35-10:50	Dave Kieda & Stephen Goldsmith	The University of Utah Consortium for Dark Sky Studies
10:50-11:10	Coffee break	Ballroom 2

Oral Session 2 – Technology & Design

Ballroom 1

Chair: Nancy Clanton

11:10-11:25	Poster session elevator pitches	
11:25-11:50	Vellachi Ganesan	From Singapore to Salt Lake City: Perspectives of Lighting and Darkness Design
11:50-12:10	Bob Adams	Letting the Stars Shine
12:10-12:30	Bruce Kinzey	Decoupling Outdoor Lighting from Sky Glow
12:30-12:40	Discussion & conclusion	
12:40-13:45	Lunch	
13:45- 15:30	Poster Session 1 - Ballroom 2	
15:00-15:30	coffee available	

Posters:

	Presenter	Title
A1	Abraham Haim	Loss of the Night Darkness by Artificial Light at Night (ALAN) – Is It a Loss of Ecosystem Services?
A2	Alexandre Simoneau	Hyperspectral study of the impact of private lighting on skyglow at the Asiago Observatory, Italy
A3	Constance Walker	Globe at Night: An Awareness Campaign to Reduce Light Pollution
A4	Amit Green	Exposure to Screens of Digital Media Devices, Sleep and Concentration Abilities in Israeli Adults
A5	Cooper Farr	Addressing the impact of light pollution on birds in Salt Lake City, Great Salt Lake and its Wetlands
A6	Jochen Krautwald	Ecolinguistical analysis of knowledge transfer of the topic of artificial outdoor lighting
A7	John Barentine	Do International Dark Sky Places Stay Dark After Accreditation?
A8	Kai Pong Tong	Measuring European angular distribution of upwelling artificial light with the Suomi NPP VIIRS–DNB
A9	Kellie Pendoley	Environmental Management Light Pollution Guidelines for Marine Turtles, Seabirds and Migratory Shorebirds
A10	Li-Wei Hung	From HPS to LED: the plan for measuring changes in skyglow before and after a countywide lighting retrofit project
A11	Martin Morgan-Taylor	Modelling and measurements of Light pollution at Malvern Hills AONB, for the effect of Herefordshire conversion to

		blue-rich LED lighting.
A12	Melissa Hey	Light pollution and faunal community effects on litter decomposition
A13	Nicole Rodriguez Cavero	Using Astronomical CCD Imagery Techniques for the Study of Urban Light Domes at a Small College
A14	Salvador J. Ribas	Interaction of clouds and fog with the measure of Night Sky Brightness
A15	Sharolyn Anderson	The All-sky Light pollution Ratio (ALR) characterized using field data and modeled VIIRS data
A16	Stan Moaraf	Artificial light at night increases survival of new neurons and suppresses melatonin in birds
A17	Susanne Stephan	Effects of skyglow on physiology and diurnal rhythm of phytoplankton strains

Oral Session 3 - Parallel Session

Session 3a Mixed session

Ballroom 1

Session 3b Lighting regulation

Maybird

Chair: Kellie Pendoley

Chair: Sibylle Schroer

15:30-15:50	Oren Levy	Martin Morgan-Taylor
	Coral reproduction and the timing of spawning in the era of rapid urbanization and ecological light pollution (ELP)	The Island of Saint Helena as an example of Metrics Based Legislation to Address Artificial Light at Night Problems and to Promote Dark-sky Tourism
15:50-16:10	Andreas Jechow	Benedikt Huggins
	Winter (and arctic) light pollution: a new frontier?	Legal restrictions on artificial light at night
16:10-16:30	Adam Mitchell	Sébastien Giguère
	LED Lighting: Fighting the brightening on turtle nesting beaches	10 years of social engagement: lessons from Mont-Megantic's International Dark-Sky Reserve
16:30-16:50	Jeremy White	Nancy Clanton & April Stevenson
	A citizen science approach to quantify illuminance levels of sea turtle habitat in Gulf Islands National Seashore	Helping Communities Develop a Lighting Ordinance
16:50-17:00	Discussion & conclusion	
17:00-18:30	Optional open discussion in poster room - Ballroom 2	
17:15-18:15	Workshop: Light assessment in epidemiological studies - Cirque	
19:00	Mixer and stargazing - Twin Peaks/Pool Level 10	

Tuesday, November 13

Oral Session 4 – Plenary session - Society

Ballroom 1

Chair: Dietrich Henckel

9:00-9:25	Josiane Meier	Contentious Lighting: Understanding Lighting Conflicts
9:25-9:40	Poster session elevator pitches	
9:40-10:00	Andreas Hänel	From Research to Practice: ALAN in Star Parks in Germany
10:00-10:20	Noelle Glines-Bovio	Best Management Practices for Mitigating Social and Ecological Impacts of Artificial Lighting at Night on BLM-Administered Lands
10:20-10:40	Megan Bonham	Representing the Night Sky: Examining the Roles of 'Lay Experts' and Sensory Experiences in Dark Sky Preservation
10:40-10:50	Discussion and Conclusion	
10:50-11:10	Coffee break - Ballroom 2	

Oral Session 5 - Parallel session

Session 5a M&M

Ballroom 1

Session 5b Biology & Ecology

Maybird

Chair: Salvador Ribas

Chair: Liz Perkin

11:10-11:30	Brian Espey	Anat Barnea
	Monitoring public lighting in Ireland: using space imagery and lighting inventories	Artificial Light At Night Increases Neurogenesis And Suppresses Melatonin In Birds In A Dose-dependent Manner
11:30-11:50	Geza Gyuk	Cecilia Nilsson
	NITELITE: a High-Altitude Balloon (HAB) framework for angularly dependent temporal sensing of light pollution	Migratory birds' exposure to artificial light at night at the continental scale
11:50-12:10	Kai Pong Tong	Itay Malek
	Characterizing local properties of artificial light at night	Reproductive and Body Mass Responses of Australian Budgerigars (<i>Melopsittacus Undulatus</i>) to Short Wavelength Artificial Light at Night (ALAN) Exposure: Is it an exceptional Avian Model?
12:10-12:30	Zoltán Kolláth	Kamiel Spoelstra
	Spectral survey of sky quality	Rhythms in the dark: direct and systemic impact of light at night on temporal organization of activity
12:30-12:40	discussion & conclusion	discussion & conclusion
12:40 – 14:00	Lunch	
14:00-15:30	Poster Session 2 - Ballroom 2	
15:10-15:30	coffee available	

Posters:

	Presenter	Title
B1	Adam Mitchell	Sky42 - Measuring light with autonomously operated DSLR cameras: Generation II
B2	Ariadna Garcia Saenz	Evaluating Artificial light at night (ALAN) risk exposures in gastroesophageal cancer and chronic lymphocytic leukemia in Spain (MCC-Spain study)
B3	Alexandre Simoneau	Call for features: New light pollution model
B4	Constance Walker	"Dark Skies for All": Public Engagement on Light Pollution
B5	Dan Duriscoe	Using broadband CCD photometry and spectroscopy to identify sources of sky glow
B6	Dénes Száz	Dual ecological trap of the night-swarming mayfly Ephoron virgo at lamp-lit bridges in Europe
B7	Salvador J. Ribas	Pyrenees La Nuit: Pyrenean strategy for the protection and improvement of the nocturnal environment
B8	Salvador J. Ribas	The Sky of Montsec: How a Dark Sky is Impacting the Economy of a Rural Area in Catalonia
B9	Inbal Ayalon	The effect of ecological light pollution on the physiology and recruitment on coral reefs from Eilat Red Sea
B10	Jacqueline Degen	Combining radar technology and all-sky imagery to study flight to light behavior of moths
B11	Jennifer Liu	Growth and development of African Clawed Frog (<i>Xenopus laevis</i>) larvae reared under different intensities of LED light at night
B12	Janet Wong	Use of Live Sky Quality Meters for Outreach and Public Awareness
B13	Ken Walczak	NITELITE: An Open Source Stratospheric Light Pollution Imaging System
B14	Kornél Kolláth	Monitoring the night sky at Lake Balaton
B15	Paul Marchant	Major Errors in Research on Lighting and Public Safety
B16	Roland Dechesne	Integrated study of Sky Glow, Calgary, Alberta, Canada
B17	Randy Nelson	Disruption of endogenous circadian rhythms by exposure to light at night accelerates pancreatic tumor growth in mice
B18	Bryant Buchanan & Sharon Wise	The effect of artificial light at night (ALAN) on activity patterns of a nocturnal salamander

Oral Session 6 - Parallel session

Session 6a Mixed session

Ballroom 1

Chair: Constance Walker

Session 6b Biology & Ecology

Maybird

Chair: Susanne Stephan

15:30-15:50	Benjamin Banet	Franz Hölker
	From Brighter than the Moon to Dimmer than the Stars: Hemispherical Photography of Nighttime Illumination Across the American West	Illuminating lakes: assessing skyglow effects in ecosystem-scale experiments
15:50-16:10	Rosalía Lugo	Franziska Kupprat
	Youth Organization for Lights Out: Engaging Chicago Youth in Light Pollution Research and Activism	Melatonin concentrations are decreased by very low intensities of artificial light at night in European perch (<i>Perca fluviatilis</i>)
16:10-16:30	Sibylle Schroer	Simone Giavi
	STARS4ALL – Citizen science to save European nightscapes	Street lamps disrupt flower-visitor interactions beyond the illuminated area
16:30-16:50	Roland Dechesne	Elizabeth Perkin
	What Went Wrong? The Failure of New York City's Crime-Reducing Lighting Scheme	Stream Insect Acclimation to ALAN
16:50-17:00	Discussion & conclusion	

Conference dinner

Goldenclyff –19:00 entry

Welcome from Lumican CEO David Mitchell

Keynote by **Shirlee Silversmith**

Wednesday, November 14

Oral Session 7 – Health

Ballroom 1

Chair: Chris Kyba

9:30-9:55	Eva Schernhammer	Night shift work, cancer risk, and beyond: new insights from epidemiological studies
9:55-10:15	Manolis Kogevinas	Artificial light at night (ALAN), blue light spectrum exposure and colorectal cancer risk in Spain (MCC-Spain study)
10:15-10:35	Kristan Aronson	Residential outdoor light at night and breast cancer risk in Vancouver, British Columbia
10:35-10:45	discussion & conclusion	
10:45-11:05	coffee break - Ballroom 2	

Oral Session 8 – Measurement & Modeling

Ballroom 1

Chair: Li-Wei Hung

11:05-11:30	Ron Gibbons	The Balance of Roadway and Outdoor Lighting
11:30-11:50	Ranjay Shrestha	NASA's Black Marble nighttime lights product suite
11:50-12:10	Rémi Boucher	IDA's first International Dark-Sky Reserve is 10 years old: Monitoring the evolution of night sky brightness over Mont-Megantic's protected dark sky
12:10-12:30	Christopher Kyba	A proposed method for estimating regional and global changes in energy consumption for outdoor lighting
12:30-12:50	Hector Linares	Modelling the night sky brightness and light pollution sources of Montsec protected area
12:50-13:00	discussion & conclusion	
13:00 – 14:20	lunch & take down posters	

Oral Session 9 – Biology and Ecology

Ballroom 1

Chair: Franz Hölker

14:20-14:45	Neil Carter	Effects of artificial light at night on wildlife habitats: integrating science with decision- support tools
14:45-15:05	Jeffrey Buler	Nocturnally-migrating birds traverse Earth's most light-polluted regions, and bright lights confound their habitat use en route
15:05-15:25	Tim J. W. Walles	Zooplankton response to "skyglow" revealed by high-resolution in-situ video in large experimental lake enclosures
15:25-15:35	Discussion	
15:35-15:40	Announcement of ALAN 2020	
15:40-15:45	Conference wrap up	