

# Conference Programme

All sessions will take place in the Hugh Aston building

# ALAN2014 Programme

(at a glance)

<b>Tuesday 2<sup>nd</sup> September</b>	
8.30 – 9.30am	<b>Registration Opens</b>
9.30 – 9.50am	<b>Welcome</b> Professor Andy Collop   Pro Vice-Chancellor  Martin Morgan-Taylor   Conference Organiser (Local)
9.50 – 10.50am	<b>Plenary Session 1</b>  <b>Keynote Plenaries</b> Kevin Gaston, Exeter University   Laura Fonken, University of Colorado
10.50 – 11.20am	<b>Refreshments</b>
11.20 – 12.20pm	<b>Plenary Session 2</b>  <b>Keynote Plenaries</b> Christian Cajochen, University of Basel   Michael Wieden, ChronoCity, Bad Kissingen)
12.20 – 13.30pm	<b>Lunch</b>
13.30 – 15.10pm	<b>Parallel Session 1</b> Health 1   Biology & Ecology 1
15.10 – 15.30pm	<b>Refreshments</b>
15.30 – 17.10pm	<b>Parallel Session 2</b> Health 2   Biology & Ecology 2
19.30 for 20.00pm	<b>Conference Dinner</b>   The City Rooms, Leicester
<b>Wednesday 3<sup>rd</sup> September</b>	
09.00 – 10.30am	<b>Plenary Session 3</b>  <b>Keynote Plenaries</b> Tim Edensor, University of Manchester   Nancy Clanton, Clanton Associates   Rob Lucas, University of Manchester
10.30 – 11.00am	<b>Refreshments</b>
11.00 – 12.40pm	<b>Parallel Session 3</b> Health 3   Biology & Ecology 3
12.40 – 13.40pm	<b>Lunch</b>
13.40 – 15.20pm	<b>Parallel Session 4</b> Society 1   Measurement and Modelling 1
15.20 – 15.50pm	<b>Refreshments</b>
15.50 – 17.30pm	<b>Parallel Session 5</b> Society 2   Design & Technology
18.00pm	<b>Poster Session</b>   kindly sponsored by the IDA (Hugh Aston Atrium)
<b>Thursday 4<sup>th</sup> September</b>	
09.30 – 10.55am	<b>Plenary Session 4</b> Address   Conference Organisers  <b>Keynote Plenaries</b> Leena Tähkämö, AALTO University   Kimberly Baugh, NOAAAGDC   Fabio Falchi, ISTIL
10.55 – 11.20am	<b>Refreshments</b>
11.20 – 13.00pm	<b>Parallel Session 6</b> Society 3   Measurement and Modelling 2
13.00 -14.10pm	<b>Lunch</b>
14.10 - 16.00pm	<b>Parallel Session 7</b> Measurement and Modelling 3   Environmental Protection and Outreach
16.00pm	<b>End of Conference</b>

9.30-9.50am	<b>Welcome</b> <b>Professor Andy Collop</b> Pro Vice-Chancellor – De Montfort University, UK  <b>Martin Morgan-Taylor</b> Conference Organiser (Local)		HU0.08
<b>9.50-10.50am</b>	<b>Plenary Session 1</b>		
9.50-10.20am	<b>Kevin Gaston</b> Exeter University, UK  <b>How Big An Ecological Problem Is Artificial Light At Night</b>		
10.20-10.50am	<b>Laura Fonken</b> University of Colorado, USA  <b>The Effects Of Light At Night On Circadian Clocks And Metabolism</b>		
10.50-11.20am	<b>Refreshments</b>		
<b>11.20-12.20pm</b>	<b>Plenary Session 2</b>		HU0.08
11.20-11.50pm	<b>Christian Cajochen</b> University of Basel, Switzerland  <b>Non-Visual Effects Of Lights On Human Alertness, Sleep And Cognition</b>		
11.50-12.20pm	<b>Michael Wieden</b> ChronoCity, Bad Kissingen, Germany  <b>Chronocity Bad Kissingen – A Nucleus For A Life Respecting The Inner Clock</b>		
<b>12.20-13.30pm</b>	<b>Lunch</b>		
13.30-15.10pm	<b>Parallel Session 1</b> <b>Health 1</b>	<b>Parallel Session 1</b> <b>Biology and Ecology 1</b>	
HU1.50	<b>Zeman</b>  Disturbed Lighting Cycles Result In De-Synchronisation Of Cardiovascular System And Disturb Circadian Rhythms Of Plasma Hormone Levels And Clock Gene Expression In Rats	<b>Davies</b> , Duffy, Gaston  Marine Light Pollution: Nature, Extent And Ecological Implications	HU1.51
HU1.50	<b>Spichiger</b> , Alonso-Vazquez, Carmona, Halabi, Mendez, Richter, Vera, Vergara  Reprogramming Of Adrenal Circadian Clock Outputs By Gestational Chronodisruption	<b>Perkin</b> , Richardson  The Effects Of Artificial Light On Trout Activity And Foraging Behaviour	HU1.51
HU1.50	<b>Mendez</b> , Alonso-Vazquez, Carmona, Halabi, Richter, Spichiger, Vera, Vergara  Preliminary Assessment Of Adult Blood Pressure Changes Secondary To Gestational Chronodisruption	<b>Pendoley</b> , Whittock,  A New Method For Integrating Light And Marine Turtle Hatchling Orientation Data	HU1.51
HU1.50	<b>Halabi</b> , Alonso-Vazquez, Carmona, Mendez, Richter, Spichiger, Vera, Vergara  Impact Of Gestational Chronodisruption On Maternal Circadian Rhythms And Foetal Growth	<b>Hölker</b> , Monaghan, Premke, Weissenborn, Würzbacher  Does Artificial Light At Night Affect Aquatic Microbial Diversity And Biogeochemical Processes?	HU1.51

HU1.50		<b>Brüning</b> Lighting Up Perch And Roach - Consequences Of Light Pollution On Biological Rhythms Of Fish	HU1.51
15.10-15.30pm	<b>Refreshments</b>		
15.30-17.10pm	<b>Parallel Session 2 Health 2</b>	<b>Parallel Session 2 Biology 2</b>	
HU1.50	<b>Coogan</b> , Cleary-Gaffney Assessing The Effects Of Dim Light At Night On Affective Behaviours In The Mouse	<b>De Jong</b> , Da Silver, Van Grunsven, Kempenaers, Visser, Spoelstra Nocturnal Illumination Of Habitat: Altered Life-History Decisions And Potential Effects On Fitness In Wild Birds	HU1.51
HU1.50	<b>Martinez-Nicolas</b> , Merrow, Kantermann, Roenneberg When Night Is Lightened. Influences On The Circadian System	<b>Van Grunsven</b> , Da Silver, Kempenaers, Spoelstra, Visser Contrasting Short And Long Term Effects Of Experimental Illumination On Moth Populations	HU1.51
HU1.50	<b>Gabriel</b> Association Between Outdoor Artificial Light At Night And Cancer In Selected Communities Of Bavaria, Germany	<b>Azam</b> , Julien, Kerbiriou, Maratrat, Plichard Is Turning Off Streetlights In The Middle Of The Night Effective For Bats?	HU1.51
HU1.50	<b>Vergara</b> , Alonso-Vazquez, Carmona, Halabi, Mendez, Richter, Spichiger, Torres-Farfan, Vera, Gestational Chronodisruption And Links To Increased Risk Of Adult Chronic Disease	<b>Ouyang</b> Movement And Activity Of Free Living Great Tits, Parus Major, Under Different Spectra Of Artificial Light	HU1.51
19.30 for 20.00pm	<b>Conference Dinner The City Rooms, Leicester</b>		

09.00-10.30am	<b>Plenary Session 3</b>		HU0.08
09.00-09.30am	<b>Tim Edensor</b> University of Manchester, UK <b>Reappraising Darkness: Mystery, Conviviality And Sensation</b>		
09.30-10.00am	<b>Nancy Clanton</b> Clanton Associates, USA <b>How Much Light Do We Really Need To See?</b>		
10.00-10.30am	<b>Rob Lucas</b> Professor of Neuroscience, University of Manchester, UK		
10.30-11.00am	<b>Refreshments</b>		
11.00-12.40pm	<b>Parallel Session 3 Health 3</b>	<b>Parallel Session 3 Biology and Ecology 3</b>	
HU1.50	<b>Van Poll</b> Environmental Light At Night (ELAN); Annoyance, Sleep Disturbance And Need For Darkness In The Netherlands	<b>Bennie, Cruse, Davies, Gaston</b> Effects Of Artificial Light On Plants And Semi Natural Vegetation	HU1.51
HU1.50	<b>Gabriel, Meier</b> A Match Made In Heaven? Comparing Designations For Dark Sky Areas And Climatic Health Resorts	Spoestra, <b>Visser,</b> Berendse, Van Grunsven, Veenendaal Emerging Population Effects Of Long-Term Artificial Illumination Of A Forest Edge Ecosystem	HU1.51
HU1.50	<b>Zerbini, Kantermann, Merrow</b> Rise And Shine; Simple 'In Home' Curtain Interventions To Improve Sleep	<b>Haim</b> Why Do We Need A Biological Definition For Light Pollution?	HU1.51
12.40-13.40pm	<b>Lunch</b>		
13.40-15.20pm	<b>Parallel Session 4 Society 1</b>	<b>Parallel Session 4 Measurement and Modelling 1</b>	
HU1.50	<b>Mitchell, Gallaway</b> The Economic Impact Of Dark Skies: Using The Night Sky To Promote Tourism	<b>Ribas</b> Monitoring The Starlight Reserve Of Montsec	HU1.51
HU1.50	<b>Bedwell</b> Can I Get There By Candlelight?	<b>Espey, McCauley</b> The Intensity And Colour Measurement Of Urban And Rural Irish Skies	HU1.51
HU1.50	<b>Gallaway</b> Summarising The Severity Of Local Light Pollution: Creating An Economic Light-Pollution Index	<b>Baddiley</b> An Area Of Outstanding Natural Beauty (AONB) Dark Sky Survey Compared With Light Pollution Modelling, And Predicting Environmental Impact From A Sea Based Wind Farm	HU1.51
HU1.50	<b>Challéat, Pomeon</b> What Is The Value Of The (Starry) Night? Geo-Economic Reflections On The Assessment Of The Night And The Starry Sky Through Their Protection In The Territories	<b>Bryant, Oakley</b> Measuring And Modelling Sky Brightness Across The South Downs National Park	HU1.51

HU1.50	<b>Besselaz</b> Starry Cities And Villages", A Label To Promote Good Choices Towards A Better Preservation Of Night		
15.20-15.50pm	<b>Refreshments</b>		
15.50-17.30pm	<b>Parallel Session 5 Society 2</b>	<b>Parallel Session 5 Design and Technology</b>	
HU1.51	<b>Mitchell</b> Can Light Pollution Be Reduced Or Has It Become Institutionalised?	<b>Leader</b> It Takes Darkness To Be Aware Of The Light: Implementing Current Ecological Knowledge In Infrastructure Lighting Planning In Israel	HU1.50
HU1.51	<b>Henckel, Meier</b> Where It's Busy, It's Bright - Right? An Exploration Of Urban Lightscapes And The 24/7 Society	<b>Gălăţanu</b> Light Pollution Assessment Using Photographical Methods	HU1.50
HU1.51	<b>Garcia</b> Illumination And Security In Bogota	<b>Mohar</b> Life At Night (Film)	HU1.50
HU1.51	<b>Bouhleb, Jhaveri</b> Sensing Space In Our Nocturnal Cities - Lighting Experiments In France And India	<b>De Kort, de Bakker, Smolders</b> Tastes For Light At The Edge Of Night: Exploring Light Preferences In The (Subjective) Early Morning And The (Subjective) Late Night As A Function Of Chronotype	HU1.50
HU1.51	<b>Roby</b> Robust Indicators Of The Spectral Environmental And Health Impact Of Artificial Lighting Technologies	<b>Harper, Baddiley, Burlton, Fagan, Jones, Mossolen</b> How Gaslight Led To Our Polluting Global Street Lighting Regime But Now Can Demonstrate The Solutions	HU1.50
18.00pm	<b>Poster Session</b> kindly sponsored by the IDA (Hugh Aston Atrium)		

Thursday | September 4<sup>th</sup>

09.30-10.55am	<b>Plenary Session 4</b>		HU0.08
09.30-09.40am	<b>Address   Conference Organiser</b>		
09.40-10.05am	<b>Leena Tähkämö</b> AALTO University, Finland  <b>Outdoor Lighting – Vanity or Necessity?</b>		
10.05-10.30am	<b>Kimberly Baugh</b> National Oceanic and Atmospheric Administration Geophysical Data Centre, USA  <b>Night Time Lights From Space - Utilizing The VIIRS Day-Night Band To Create Global Maps Of Night Time Lights</b>		
10.30-10.55am	<b>Fabio Falchi</b> Researcher, ISTIL Light Pollution Science and Technology Institute, Italy  <b>Light Pollution: What Next?</b>		
10.55-11.20am	<b>Refreshments</b>		
11.20-13.00pm	<b>Parallel Session 6 Society 3</b>	<b>Parallel Session 6 Measurement and Modelling 2</b>	
HU1.50	<b>Marchant</b>  The Effects Of Changes In Street Lighting	<b>Aubé</b> Monitoring The Temporal And Hyper-Spectral Behaviour Of The Artificial Sky Brightness For Astronomy And Environmental Studies	HU1.51
HU1.50	<b>Marrington</b>  Shedding Light – A Survey Of Local Authority Approaches To Lighting In England	<b>Vande Hey, Eddy, Hinchliffe, Lawrence, Leigh, Lyndsay</b>  The Night Sky Mapper: A New Tool For High Resolution Mapping Of Artificial Light Emissions	HU1.51
HU1.50	Edwards, <b>Green</b>  Darkness, Ontological Security And Wellbeing: Public Views And Public Understanding	<b>Hänel, Hinrichs</b>  Calibrating All –Sky Images With The SQM-L	HU1.51
HU1.50	<b>Morgan-Taylor</b>  The Regulation Of Light Pollution: Is The Recent French Legislation A Template Law?	<b>Mohar</b>  Outdoor Lighting And Light Pollution Control Using Advanced Measuring Techniques	HU1.51
HU1.50	<b>Schroer, Hölker</b>  Light Pollution Research – Progress And Praxis	<b>Kyba, Cinzano, Espey, Falchi, Sanchez De Miguel, Walker, Zamorano</b>  Understanding The Upward Angular Distribution Of Sky Glow	HU1.51
13.00-14.10pm	<b>Lunch</b>		
14.10-16.00pm	<b>Parallel Session 7 Measurement and Modelling 3</b>	<b>Parallel Session 7 Environmental Protection and Outreach</b>	
HU1.51	<b>Fotios</b>  Benefits Of Lighting For Pedestrians	<b>Hänel</b>  Dark Sky Areas: Quality Of The Nightscape And Protection Practices	HU1.50
HU1.51	<b>Sanchez de Miguel</b>  Absolute Calibration Of The ISS: Measuring Colours And Radiance From The ISS	<b>Giacomelli</b>  The Buimetria Partecipativa Project From Italy: Seven Years From Awareness Raising And Data Collection To Multi-Tiered Actions	HU1.50

HU1.51	<b>Round Table Discussion</b>	<b>Nobuaki</b> An Environmental Education Program For Elementary School Students Using Various Aspects Of Light Pollution	HU1.50
HU1.51	<b>Crumey</b> Human Contrast Threshold And Astronomical Visibility	<b>Gălățanu</b> Light Pollution Awareness - A Change Through Education	HU1.50
16.00pm	<b>End of Conference</b>		

