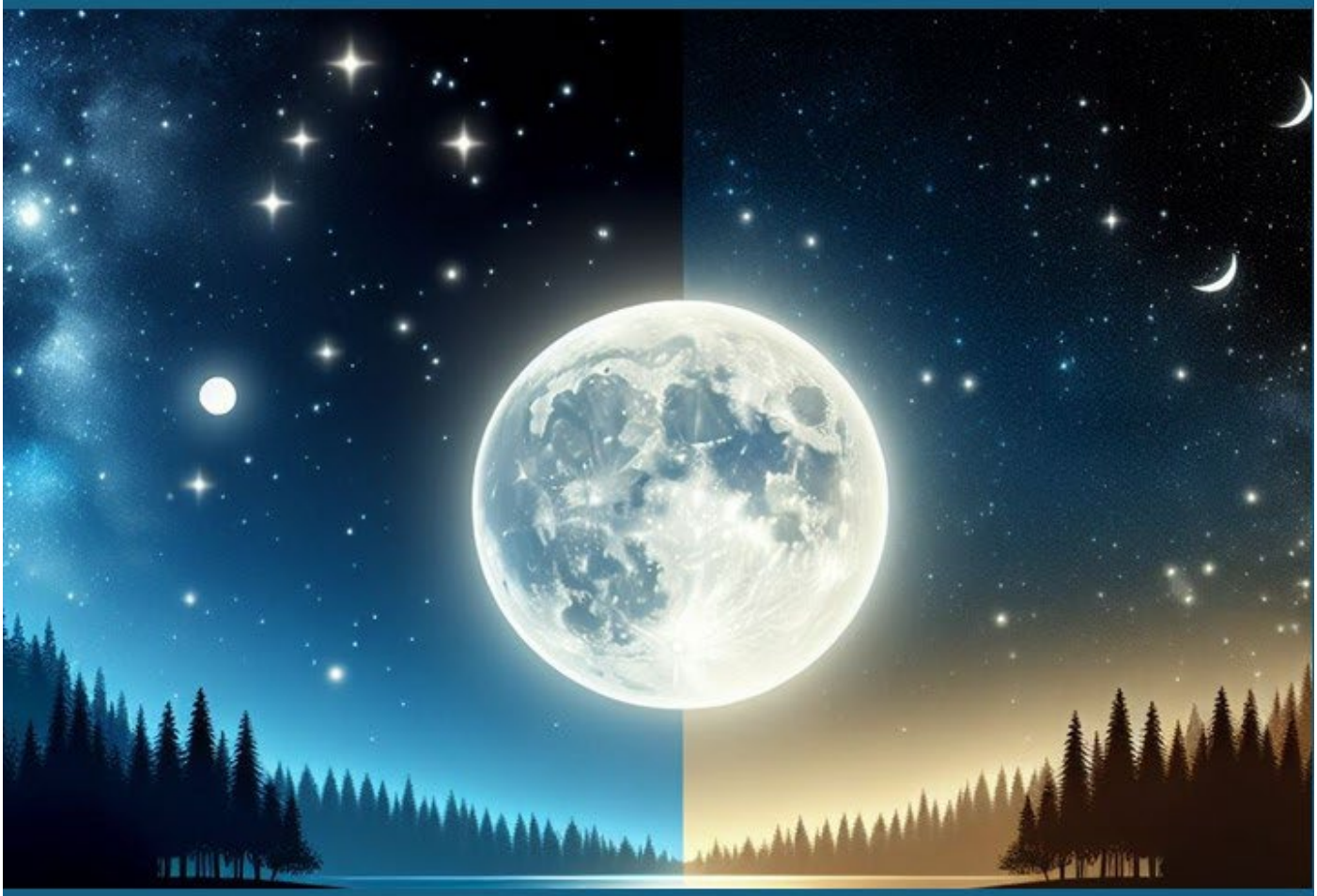
# Illuminating the Future Balancing Light & Dark Nightscapes

Society of Light and Lighting



# Conference Programme

27th March 2025

Senate House, University of London

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# Illuminating the Future: Balancing Light and Dark Nightscapes

27 March 2025

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## Introduction

Helen Loomes FSLL, Conference Curator

This conference was born from an idea I shared during my presidential address. My aim was to spread the knowledge, research, and best practices that we are all familiar with in the lighting industry, but we also need the rest of the world to understand just how much we know. Additionally, I wanted to foster the sharing of knowledge within the industry between researchers, designers and end users.

Lighting encompasses many aspects, including various use sectors, levels of complexity, and, of course, different financial constraints. Lighting our night-time environments, is a key area of discussion. It is an issue that we need other disciplines to understand, but we also need to better understand their concerns.

Over the past 12 months, several teams have come together to shape this conference. But this event is not only about imparting information; it's also about creating dialogue. We want to share knowledge, explore different perspectives, and understand the consequences of making one decision over another.

There are many regulations to consider, and we aim to make these accessible to practitioners-helping them determine when one is more pertinent than another, which path is the most relevant one?

I am delighted that, after much work, we have created such a magnificent, exciting, and informative programme, featuring an impressive array of experts, whether they are academics, practitioners, or individuals with extensive experience.

This has all been packaged into an unmissable day and evening event, to be held at Senate House in London. The venue will certainly add to the occasion, which will culminate in a sparkling drinks reception.

I look forward to meeting you at the conference and the reception and, most importantly, continuing the discussion.

Thank you to

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## Agenda

09:45: Coffee and refreshments.

**10.15:** **Welcome and Introduction**

**10.30:** **Session 1: A high-level overview of lighting; understanding the consequences**

12.30: Lunch

**13.30:** **Session 2: Focussed research**

15.30: Coffee break

**16.00:** **Session 3: Case studies paving the way to a regenerative future**

**17.15:** **The debate, experts and delegates**

18.30: Drinks reception and the opportunity for discussion and networking.


## Session 1: A high-level overview of lighting; understanding the consequences

### The benefits to road users of lighting after dark

Professor Steve Fotios, CEng, FSLL, MILP, PhD, BEng (Hons), FHEA, PGCE, University of Sheffield.

Steve will introduce the benefits to road users of lighting after dark: to be safe and to feel safe. He will discuss limitations of current design guidance, CIE plans to revise this guidance, and work towards improving the credibility of design recommendations.

Steve Fotios is Professor of Lighting and Visual Perception at the University of Sheffield where he leads research about lighting for pedestrians and cyclists. He is the Editor-in-Chief of Lighting Research and Technology and associate director of CIE Division 4 where he is leading the revision of CIE 115:2010, the document which acts as the basis for international road lighting standards.

### Addressing the Biological and Ecological Impacts of Artificial Light at Night

Dr Michael Wells PHD MA BA(Hons) RDI CEng CSci CBiol C.WEM FRSA FCIEEM MRSB MCIWEM Biodiversity by Design Ltd

Use of fire by hominids has been estimated to have its origins over a million years ago. Since that time, first our evolutionary ancestors, and then our own species, have benefitted from fire in part used as an artificial light source. This enabled us to extend the duration of many daytime activities into the hours of darkness and alert us to the presence of nocturnal predators and enemies.

There were once insufficient numbers of humans to create globally significant light pollution just from our torches and local fires. That being the case, it is interesting to speculate to what extent ancient man contributed to the occurrence of intermittent wildfire and the light pollution associated with them. However, as human populations have spread exponentially, and our technologies have evolved (to the point where we are creating artefacts that challenge our very status as the planet's prime intelligence) we now have the capacity literally to illuminate our environments on a nightly basis to an extent and intensity sufficient to drastically change the appearance of Earth from space.

Driven as we have long been by its many dramatic benefits to our lives, and in parts of the world simply its inextricable association with human progress and civilisation, our lighting of our world has often been without moderation and or with no (or scant) thought for any associated adverse effects. Psychologically we often seem somewhat 'blind' to any harm associated with a technology or artefact that provides us with great practical utility or pleasure. It has perhaps taken other crises of the Anthropocene, most notably anthropogenic climate change and the human-induced loss of global biodiversity to stimulate research into all potential contributory factors, artificial light included, and how to mitigate their impacts.

This may explain why it is only very recently in our human story have we started to realise that we need consider the full range of effects cause by artificial light at night, not just those from which we clearly benefit. At least now we are becoming steadily more aware that in many cases we have over-lit and badly lit our world resulting in not only all manner of collateral harm, but also a failure to achieve the very target functions for which the lighting was designed.


In this short presentation the pattern of increasing research interest into the potential adverse effects ALAN (Artificial Light at Night) is summarised. An attempt is made to outline:

- The key impacts of ALAN on biodiversity (including ourselves) that we have now at least partly characterised.
- The most important gaps in our knowledge on impacts of ALAN on the biodiversity.
- The key current approaches (both generic and more specific) that can be employed to simultaneously reduce harm to biodiversity, diminish our carbon emissions and achieve better visual aesthetics.

A challenge is laid down to all those involved in lighting design, and all those studying the unintended consequences of ALAN, to work together and jointly accelerate progress towards holistic biosphere-friendly lighting being the standard approach. Successfully meeting this challenge should bring multiple potential benefits for human society and culture as well as for the (largely retreating) host of other species with whom we still share Planet Earth.

Mike Wells is a professional ecologist and ecourbanist, with over 35 years of consultancy experience and 45 years in ecological science. He co-founded Biodiversity by Design Ltd in 2006 with the express aim of focusing on creative multifunctional ecology. Mike's key interests lie in exploring the opportunities for biodiversity enhancement and ecological education in the creative gaps between ecology and other disciplines. Mike has practiced globally in over 20 countries and published widely in relation to the ecological aspects of urban regeneration, master planning and design. Mike was one of the co-authors of the first Ecological Impact Assessment Guidelines for the UK and Ireland and is passionate about limiting adverse effects of built development on wildlife.

Over the past few years Mike has been providing the ecological inputs to a new Landscape and Biodiversity Strategy for Monaco – a project for which the issue of artificial lighting impacts is paramount. Mike is a very experienced design panellist having served for many years on both the UK Design Council and Design West. In 2021, for lifetime achievements in ecological design, Mike was elected a Royal Designer for Industry by the Royal Society for Arts, the first ecologist to secure that recognition.

### How does a designer interpret this

Dan Lister MSc BEng (Hons) FSLL, President SLL, Director Arup.

How do you curate lit spaces for people that balance creative and technical challenges, navigating the often conflicting interplay of opportunities and constraints? Consideration must go beyond an engineered approach, delivering lighting solutions that create welcoming and inclusive environments, catering for the wellbeing of all users of the space after dark, whilst meeting essential objectives, safety, energy consumption and light pollution.

This presentation will explore the role of the lighting practitioner in navigating standards, guidance and emerging research to help deliver better lighting schemes.


Dan will draw on expertise in masterplans at a neighbourhood, campus, and city scale to work with the relevant responsible authorities to challenge established norms and deliver schemes that meet the needs of both the people and the environment.

Dan is a lighting consultant and leads the specialist lighting practice for Arup in the UK. He has 25 years of lighting consultancy experience across a broad range of sectors with projects across the UK, developing a particular expertise in strategic lighting masterplans at a neighbourhood, campus and city scale.

Dan has a passion for curating lit spaces for people that balance creative and technical challenges. These projects consider lighting from beyond an engineered approach, delivering lighting solutions that create welcoming and inclusive environments; better catering for the wellbeing of all users of the space after dark.

### The Balancing Act – Design Considerations in Urban Lighting

Mark Major RDI RIBA FRIAS FIALD, Speirs Major and Benz Roos MA BA Speirs Major.

Lighting design is often described as both an art and a science.

In the urban environment, lighting designers must navigate a complex interplay of opportunities and constraints—enhancing safety and ambience while minimising energy consumption and light pollution. These, often competing, demands create a paradox: for instance, people often want more light for their perceived safety yet advocate for less to protect the environment.

Urban lighting design is therefore a careful negotiation between the experiential, social, and economic benefits of artificial lighting and its environmental impact. Rather than viewing this as a compromise, we see it as a matter of balance.

Ongoing research across disciplines – including design, engineering, ecology, and psychology – continues to inform best practice. Studies examine topics such as the link between lighting and crime, the impact of light pollution on sleep and wildlife, and the needs of an ageing population after dark. While data-driven insights are invaluable, some aspects of lighting remain difficult to quantify, such as aesthetics, atmosphere, and interaction. How can lighting evoke joy, beauty, or excitement? How do we measure a city's nighttime experience beyond compliance with standards? How do we design in a truly contextual way?

Many lighting schemes that meet technical standards can still feel uninviting or even hostile. This raises a key question: should urban lighting be guided solely by evidence-based data, or does intuitive, artistic judgment also have a role? The answer likely lies in a combination of both.

In our short talk, we will explore the many considerations that shape successful urban lighting design with reference to past projects. We will endeavour to show that whilst no perfect solution exists, embracing both measurable outcomes and intangible qualities allows us to create urban spaces that are not only functional but also vibrant and welcoming.


Finally, we will suggest that the way forward is to carefully masterplan lighting for urban areas through proper engagement with the view to providing thought leadership, helping to develop guidance and, where necessary, prescribing regulation.

We believe that 'illuminating the future' is about more than simply balancing light and darkness—it is about harmonising the objective and subjective approach to lighting design and showing ways that we can add value to the experience of the city after dark.

Mark Major trained and practised as an architect before choosing to focus on the relationship between light and architecture.

He formed Speirs Major Light Architecture with Keith Bradshaw in 2010, a practice which grew out of Speirs and Major Associates, which was originally founded 28 years ago. Today the firm is recognised as being one of the world's leading independent lighting design practices.

Mark has led a wide range of award-winning lighting projects including the Millennium Dome, 30 St. Mary Axe, and the re-lighting of the interiors of St. Paul's Cathedral and Westminster Abbey. Recent award-winning projects include The Macallan Distillery, and Battersea Power Station. He is a specialist in the field of urban lighting and acted as the Lighting Design Advisor to the Olympic Delivery Authority for London 2012. Projects include the Lighting Masterplan for the King's Cross Redevelopment and the Lighting Strategy for the City of London.

Mark has lectured in the UK, Europe, Scandinavia, U.S. and Australia. He was the co-creator of an educational project 'Made of Light – the Art of Light and Architecture'.

Mark was honoured as a Royal Designer for Industry in 2012 and is a corporate member of the Royal Institute of British Architects, a Fellow of the International Association of Lighting Designers and a Fellow of the Royal Incorporation of Architects in Scotland.

Benz studied Architectural Design at the Royal Art Academy, The Hague in The Netherlands. During this time, he developed a passion for lighting design and consequently went on to study for a Masters in Architectural Lighting Design at the University of Wismar in Germany.

In 2008 Benz joined Speirs Major Light Architecture as an Assistant Designer and was promoted to Design Associate in 2017. In 2020 he was made Associate Partner. His ambition is to bring more imagination into the experience of a space – if applied to fantastic architecture and public realm, light can make the experience for people even better.

Benz has worked on a number of projects including the multi-award-winning Gasholders London in the King's Cross development, the City of London Lighting Strategy, and the innovative Lights over Kruunuvuorenranta in Helsinki, Finland. He was also integral to the design for 'In Lumine Tuo', an animated light installation in Utrecht, The Netherlands which won the top prize in lighting design, the IALD Radiance Award, in 2014. He is currently working on the Taikoo Place development in Hong Kong, Broadgate Estate in London and the public realm lighting design at Canada Water.


Benz has a keen interest in research and development, helping to design the award-winning street lighting luminaire Aeroblades which was developed with Cree Inc. He also collaborated on the Eira luminaire with Fagerhult, and most recently, on the new lighting fixture 'CELLS' with manufacturer Reggiani. He was a key member of the design team for the Third Age of Light research project and led the design for the ground-breaking 'Our Time on Earth' climate exhibition at The Barbican Centre.

**Discussion**

facilitated by Mike Simpson FREng Past Pres SLL, CIBSE & ILE. Signify.

Mike has been in the lighting profession for over 46 years in a variety of technical & design roles. He works with the UK professional institutions in developing lighting guides, with BSI in preparing national standards and CEN & IEC on international standardisation. He has presented many papers on lighting technology and its application.

He has worked on many stadia projects including facilities for the Olympics from London in 2012 to Beijing in 2022. Architectural projects include Buckingham Palace and St Pauls Cathedral and was part of the team that delivered the lighting for the London Bridges.

During the pandemic he worked on developing design methodology for UV-C air disinfection, working with ASHRAE to develop global guidelines.

He teaches on the MSc in Light and Architecture at the UCL. In 1994 he was President of the Institution of Lighting Engineers, in 2001 President of the Society of Light and Lighting and in 2009 of CIBSE. In 2016 he was nominated as a Fellow of the Royal Academy of Engineering. In 2017 he was Master of the Worshipful Company of Lightmongers.

Mike works for Signify where he leads in lighting application in the global design centre, supporting their design teams globally.


## Session 2: Focussed research

### The influence of darkness and lighting on crime

Dr Jim Uttley. University of Sheffield

We instinctively feel less safe in the dark, but there is good evidence that lighting can offset this fear, with brighter lighting helping to increase our perceptions of safety and reduce our fear of crime. But does the objective risk of crime at night, and under different lighting conditions, align with these perceptions? This talk explores research conducted in collaboration with South Yorkshire Police, investigating the real impact of darkness and street lighting on crime. Our findings suggest that the assumption of street lighting as a reliable crime deterrent is not always accurate, and the relationship between lighting and crime is nuanced.

Jim Uttley is a Lecturer in Architectural Science at the University of Sheffield. I am an environmental psychologist with an interest in how the built environment influences behaviour. My research currently focuses on the impact of darkness and lighting on two areas: 1) Perceptions of safety and crime risk; 2) Active travel. As an example of the first area of work, I have collaborated with South Yorkshire Police to assess the relationship between darkness and crime risk, and how lighting mediates this relationship. As an example of the second area of work, I have led a 3-year project (SATURN – Supporting Active Travel Using Road lighting at Night) to establish evidence about the impact of darkness and lighting on cycling rates. In addition to my research activity, I also contribute towards lighting specification guidance through technical work with the CIE, and I am a Trustee of the National Illumination Committee of Great Britain (CIE-UK).

### Social Lighting: research into ageing in urban public space

Don Slater LSE Sociology/Configuring Light research group

'Social lighting' is strategic approach to urban design and policy that aims to connect lighting design and social understanding of the needs and concerns of citizens. Moving beyond consultations and surveys, Social Lighting provides methodologies to produce reliable social research, meaningful community engagement and creative and supportive lighting for diverse urban populations. This presentation will present this approach through a case study of public space lighting for older people: a four-year EU study of three European cities (Amsterdam, Bologna and Tartu).

Don Slater is Associate Professor (Reader) in Sociology at the London School of Economics, and co-director of the LSE Sociology/Configuring Light research group. His research programme focuses on light and lighting as core elements of urban fabric and aims to foster dialogue and collaboration between social research, lighting design and urban planning, particularly in the public realm. Configuring Light has conducted social lighting research, interventions and workshops globally (Europe, Latin America, Asia and the Middle East) and is currently completing a four-year EU project on lighting, ageing and well-being. In addition to academic research with professional partners, Configuring Light works with cities (eg Paris, City of London and Southwark), commercial clients (eg LendLease) and professional bodies (eg LUCI and ILP). Prior to this programme, Slater worked for many years on information technology, media and digital culture in development contexts, including the South Asia, West


Africa and Latin America, with projects for UNESCO and DFID (publications included New Media, Development and Globalization, Polity 2013; and The Internet: An Ethnographic Approach, Berg, 2001, with Daniel Miller). Other publications include The Technological Economy (Routledge, 2005, with Andrew Barry); Consumer Culture and Modernity (Polity, 1998); and Market Society (Polity 2002, with Fran Tonkiss).

### Inclusive lighting: Women and girls and after-dark public space

Elettra Bordonaro, March, PhD Visting Policy Fellow at LSE, director at Light Follows Behaviour

Public safety is a fundamental aspect of urban planning and design, yet many public spaces still fall short of providing a secure environment, particularly for women and girls and more vulnerable groups. One essential, yet often overlooked, component of this issue is public lighting.

This presentation explores the significance of lighting in public spaces and its effect on safety. The meaning of safety itself depends on different stakeholders and their definition of safety.

Strikingly, the after-dark environment is rarely considered in any urban planning process. Often forgotten, it is one of the main items addressed by women and girls when speaking about the perception of safety and after-dark atmosphere.

Elettra is a founder and creative director at Light Follows Behaviour, lighting design studio with the aim to design with people and for people.

Awarded a PhD in 2006 at the University of Architecture in Turin with the thesis on urban lighting, Elettra has a background as architect.

She has focused her attention on light and worked as lighting design consultant on masterplan, exterior and public realm lighting.

She has been lecturing and teaching at many universities, including University of Rome, Milan and Turin and she has been visiting professor at Rhode Island School of Art and Design, Providence, USA.

She is appointed, with a Senior Policy Fellowship, as a member of the research group Configuring Light at the London School of Economics in the Sociology Department.

Lives and works in London, UK.

### Future considerations – what problems are looming

Professor Peter Raynham Ex UCL Past Pres SLL

Lighting at night presents several problems that need to be addressed, perhaps the most important of these is the lack of appreciation of the complexity of lighting by people outside the profession.

The majority of lighting professionals are aware, at least implicitly, of the problems posed by the complexity of defining the light field. Moreover, they are aware of how to take a simplified approach that is appropriate to a given situation. The problems of not understanding this complexity will be discussed with reference to current problems associated with glare from headlights.


The presentation will also consider issues of inclusivity in public lighting and issues around the hand back of lighting procured under PFI

Peter has been in the lighting industry since 1976. Starting in lamp development, he then progressed into luminaire development and testing and specialised in photometry before moving into lighting design. In 1996 Peter moved to become a researcher at University College London. He progressed through a series of roles covering teaching, research and consultancy becoming Professor of the Lit Environment before his retirement in 2023.

Peter has had a lot of experience working with lighting standards and guidance. He joined the European Standards (CEN) committee for photometry in 1991 and in 1992 he became chair of the British Standards BSI committee on photometry and he joined the overall BSI lighting committee. In 1996 he became the leader of the UK delegation to the CEN lighting standards management committee and he took over the chair of the BSI lighting committee in 2005. In 2012 he joined the newly formed International (ISO) standards committee on Light and Lighting. He has been the leader of several standards drafting committees and made contribution to more than 30 standards. Peter retired from standards work in 2024.

Peter is also involved in professional bodies in the lighting industry, he is a former director of the International Association of Lighting Designers (IALD), a past President of the Society of Light and Lighting (SLL) and is currently a Vice-President of the Institution of Lighting Professionals (ILP). Peter is a regular contributor to lighting guidance documents for the SLL and the ILP and he was editor of the SLL Code from 2000 to 2012.

### Discussion

facilitated by Ruth Kelly Waskett PhD CEng MCIBSE FSLL, Project Director (Lighting), Hoare Lea LLP

Ruth is a lighting consultant with a background in lighting design, engineering, and academia. She's driven by the need to champion great lighting in buildings, with a focus on integrating natural and artificial light. She has a particular interest in the real-life issues associated with automated building technology, particularly those that offer daylight and lighting control. She also has an interest in the use of immersive technologies to help understand the impact of design decisions.

Ruth was President of the Society of Light & Lighting (SLL) in 2021-22, a part of the Chartered Institution of Building Services Engineers (CIBSE). She is a regular contributor at events in the Lighting and Built Environment industries. In 2022 she spoke at Hoare Lea's flagship event, Designing the Future at the Royal Institution. Her talk, Blurred Lines, addressed the topic of how immersive technology and the metaverse could transform our understanding of reality and help us to design better.

Ruth has contributed to several lighting guidance documents produced by CIBSE, SLL and others. She is a Board member of CIBSE and a visiting lecturer at University College London, with involvement in the MSc in Light & Lighting and MEng in Engineering & Architectural Design. Ruth was a winner in the Engineering category of the 2022 Women in Lighting Awards.


## Session 3: Case studies paving the way to a regenerative future

### The conflict - Humans vs Environment – Can standards help?

Alistair Scott Past Pres ILP, Chairman DFL-UK Ltd and Ryan Carroll BSc Past Chair of YLP, DFL-UK Ltd

The increasing conflict between human needs and environmental impact is evident across various industries. As population growth leads to urban expansion, habitats for wildlife shrink and our quality of night skies is compromised. With this growth comes a rising demand for artificial light to support our night-time activities. The lighting industry plays a crucial role in balancing environmental conservation with human needs. However, it's essential to assess whether current standards effectively address this balance or if they contribute to the problem.

Alistair Scott is a lighting designer with over thirty-five years' experience in the exterior lighting industry, the first 17 years with a lighting manufacturer and the last 20 as Director of consultancy Designs for Lighting.

His experience covers all elements of lighting, and he has recently specialised in expert witness work, lighting design, management, policy and strategy, light impact assessments, energy reduction, and contract development for public and private sector clients.

Alistair is Chairman of BSI committee, CPL 34/8-Road Lighting. He is a Past President of the Institution of Lighting Professionals having served as Chair of both the ILP Membership and Education Committee and ILP London and South East Region. He is a Member of the Highway Electrical Association and holder of an HEA Service to Industry Award.

Ryan Carroll BSc IEng MILP is the immediate past chair of the Young Lighting Professionals (YLP) and currently serves as a lighting designer at Designs for Lighting Ltd, where he leads the Lighting Impact and Planning Department. With a background in Theatrical Lighting Design, Ryan graduated in 2015 from the University of South Wales with a degree in Lighting Design and Technology.

Since joining DFL in 2015, Ryan has successfully managed and executed environmentally conscious lighting projects, particularly in Dark Sky areas, and developed ecologically sensitive lighting strategies for a wide range of sectors. Over the past 9 years, he has gained expertise in integrating sustainable lighting practices across various industries.

Ryan's dedication to quality environmental lighting extends to his active role on the Institution of Lighting Professionals' Technical Committee, where he contributes to industry standards and guidance, focusing on promoting environmentally sensitive design principles in future lighting projects.

### Lush Valleys to Desert Dunes: Designing for Pristine Skies

Andrew Bissell FSLL MILP MCIBSE Past Pres SLL, Ridge & Partners

Using two projects from Wales and Saudi Arabia as case studies Andrew will talk about some of the challenges experienced in the feasibility, concept, schematic, developed design and construction phases. How those


challenges are at times identical, and where at times, those challenges are unique to each location due to factors such as culture.

Andrew Bissell is a past president of the Society of Light and Lighting (2022-2023), a Fellow of the Society of Light and Lighting, a Member of the Institution of Lighting Professionals and a Partner at Ridge and Partners LLP where he heads up the lighting design team.

He has contributed to a number of lighting guides where his contribution has been to advance each sector through the introduction of researched methodologies and new techniques. He has presented in countries including Australia, Hong Kong, Dubai, Sweden, Denmark, Ireland and the UK on topics including daylight design, light art, urban lighting design; pristine skies, product design, workplace lighting for wellbeing, neurodiversity and digital design.

He has worked on dark sky projects in the UK and Overseas including The SILL in Northumberland; The Sustainable Landscape and Sustainable Places Project in all 8 protected landscapes in Wales; A riverside development in Bath; Neom, Al Ula, La Heq and The Red Sea projects in Saudi Arabia.

Andrew views dark sky projects as an opportunity to continue to deliver the highest quality of architectural lighting whilst also protecting the pristine skies. This should be true whether the client is seeking vibrancy and excitement or a calm and relaxed space, put simply ‘Every light, specified by every designer on every project, must protect or restore the pristine sky.

### The Light We Love, The Damage We Ignore: A Call for Conservation

Chiara Carucci - Founder and Principal - Noctua Cultural & Natural Heritage Lighting Design

Current lighting regulations focus primarily on limiting astronomical light pollution, often overlooking the broader consequences of artificial light at night (ALAN). This talk addresses ALAN’s profound effects and its cascading impacts on ecosystems.

Through case studies and research, we will examine why "wildlife-friendly" products do not always offer a solution and how site-specific, adaptive strategies can be more effective.

The presentation highlights collaboration, dark infrastructure, and practical steps for integrating ecological considerations into lighting design. By reassessing our role as decision-makers, we can strive to conserve liveable spaces for all living beings, even after dark.


With over two decades of experience in the industry, Chiara's journey has been marked by a diverse array of projects and awards, most recently the inaugural Wildlife Night Watch Award by DarkSky International.

Her international work spans a range of conservation efforts, from safeguarding sea turtles in two European LIFE21 pilot projects to preserving bats and natural formations in tourist caves. Her urban lighting designs are recognized for preserving biodiversity, while fostering community impact and the local nighttime economy.


Chiara has collaborated with professionals and researchers, continually cultivating a transdisciplinary approach and pushing the boundaries of informed lighting design. Passionate about driving meaningful change, she looks forward to contributing to future policymaking and collaborative projects, continuing to demonstrate how balancing economic, social, and environmental sustainability is both feasible and effective.

Her dedication to professional development includes volunteering with the 'Lighting Police' and actively engaging in leadership roles within the IALD Association.

In her upcoming public commitments, Chiara aims to share insights in order to advance environmental stewardship and promote cultural and natural heritage conservation.

## The Debate, Experts and Delegates

Chaired by Florence Lam Hon FSLL, Arup Fellow, Visiting prof at UCL Bartlett IEDE. Open to audience afterwards.

Florence is an Arup Fellow and Visiting Professor of Lighting Design and Engineering at The Bartlett UCL Institute of Environmental Design and Engineering. A renowned lighting designer, she co-founded Arup's global lighting design practice and has held several senior executive roles, including serving on their Region Board, Excellence Executive, and as Arup University Director. In these roles, she oversaw their strategic foresight, applied research, ventures, and innovation programmes across the UK, India, Middle East, and South Africa.

With over 15 international and national awards, Florence's accolades include Lighting Designer of the Year in 2013, the CIBSE Society of Light and Lighting President's Medal in 2020, the SLL Honorary Fellowship, and the CIBSE Gold Medal in 2024.

Her projects of significance span globally, including the London's Millennium Bridge, British Museum World Conservation Centre, The Acropolis in Athens, California Academy of Sciences in San Francisco, Zayed International Airport in Abu Dhabi, Dongdaemun World Design Park in Seoul, Taipei Taoyuan International Airport T3, Hong Kong's Stonecutters Bridge, Tai Kwun Centre of Heritage and Arts, and Kai Tak Sports Park lighting masterplan, among others.

## Evening Reception

Please join the Society of Light and Lighting, the Evening Reception sponsors, Lug, our sponsors, partners, speakers and facilitators, and delegates to continue the discussions over drinks and nibbles.


## Sponsors

### DW Windsor

At DW Windsor, we design lighting for places, people, and our planet. Since 1976, we've been at the forefront of exterior lighting, combining British craftsmanship with cutting-edge innovation. Powered by people with a passion for light, our solutions blend style with performance, enhancing outdoor spaces while meeting the needs of both people and the environment. Recognised as a leader in responsible lighting, we remain committed to delivering outstanding products that minimise light pollution, protect the night sky, and create safer, more sustainable spaces.

### Urbis Schréder

Towns and cities worldwide face a perfect storm of challenges: tackling the climate crisis, reducing energy consumption, achieving net zero, and creating vibrant, well-lit spaces for people to live, work, and play. What better than sunshine to chase the storm away? Solar-powered lighting is now a viable alternative for many areas needing illumination at night.

With over a century of expertise in urban lighting, Schréder is at the forefront of solar-powered solutions. By reimagining our best-selling designs and developing custom solar systems with grid backup, we help cities achieve decarbonisation without compromising on safety, quality, or aesthetics.

### WE-EF

WE-EF is a global manufacturer of high-performance exterior luminaires renowned for outstanding engineering design and innovative optical systems. Established in 1950 in Germany, WE-EF is recognised worldwide as a leading exterior lighting specialist that provides professional lighting solutions for various applications, ranging from urban spaces to architectural projects.

As a pioneer and innovator of a wide range of application specific modular LED lens technologies, WE-EF develops optical systems that deliver photometric efficiency together with high visual comfort. Precision in the design process, careful consideration of material selection and high-quality manufacturing processes ensures exceptional performance, reliability and longevity.

### LUG

LUG is one of Europe's fastest-growing lighting manufacturers, shaping the future of illumination for over 35 years.


With a passion for innovation and precision, LUG delivers cutting-edge interior and exterior lighting solutions that redefine spaces, enhance sustainability and inspire creativity.

From architectural masterpieces to industrial powerhouses and urban landscapes, LUG's energy-efficient designs seamlessly blend technology, aesthetics and performance. With a global footprint and an unwavering commitment to excellence, LUG is not just lighting the world – they are transforming it, one visionary project at a time.

With LUG you can experience the brilliance of a brand that turns ambition into illumination.

## Partners

### Academy of Urbanism

THE ACADEMY OF URBANISM

The Academy of Urbanism (AoU) was founded in 2006 and is a not-for-profit membership organisation that brings together everyone involved in the design, development, and management of great places. We are proud to have an enthusiastic and engaged membership of over 1,600, spanning sectors, countries, and professions - from architecture and urban design to transport and engineering, and arts and culture to business and economy.

A shared goal of creating and sustaining great places informs a programme of events, schemes, and publications including the Urbanism Awards, the Here & Now e-journal, and the Young Urbanists Mentoring Scheme. More info at theaou.org.

### The Institute of Lighting

As an influential professional body, we are consulted by government on a wide range of issues, including legislation and regulations that affect the built environment.

We aim to ensure that proposed measures are both effective and practicable, by serving on committees, and commenting on draft legislation, reports and consultations.

### The Lighting Industry Association

The Lighting Industry Association has been representing the lighting industry for many years and has an established reputation for representing and assisting lighting-related companies.

Recent years have seen incredible changes in lighting, how it is created and used, and those working with lighting are now a wider and more diverse group than they have ever been. Whatever your involvement maybe, The LIA is here to support you and your organisation to a successful future.


## Delegate List

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