Conference Scope

Tracks

Solid-State Lighting

The lighting 4.0

Connected lighting systems (CLS)

Human Centric Lighting (HCL)

Micro-grids/Sustainable Lighting

Topics

Residential Lighting

LEDification of Illumination

Visual light communications (VLC)

Outdoor Lighting

Light-as-a-service (LaaS)

Efficiency/Clean Power

Smart Devices and Appliances

Smart Grid/Smart Energy

Smart Village/Communities

Lighting Standards

Smart Lighting in Developing Economies

Smart Lighting in Emerging Economies

Commercial Models of Lighting Projects

Target Technologies include but are not limited to:

Solid State Lighting systems (LED, OLED, Lasers, UV-LEDs), Lighting controls and electronic control gears, Sensors, Visual Light Communications, LiFi Technology, Internet of Things, Indoor, Outdoor and Decorative lighting, Automotive Lighting. UV and far-UV sources technologies (dielectric barrier lamps, UV-C LEDs…) for non-lighting applications

Conference Commitee

International Steering Committee

Positions	Volunteer
Honarary Chair	Robin Devonshire (UK)
Chair	Georges Zissis (Toulouse Univ., France)
Secretary	Stuart Mucklejohn (Consultant, UK)
Members	David Buso (Toulouse Univ., France)
	Alessio Corazza (SAES Getters SpA, Italy)
	Marco Dalla Costa (Univ. Federal Santa Maria, Brazil)
	Rudy Geens (Havells-Sylvania, Belgium)
	Peter Hanselaer (KU Leuven, Belgium)
	Charles Hunt (Univ. California Davis, USA)
	Masafumi Jinno (Ehime Univ., Japan)
	Bob Karlicek (Rensselaer Polytechnic Institute, USA)
	Leos Kukacka (Technical Univ. of Liberec, Czech Rep.)
	Siegfried Luger (Luger Research, Austria)
	Mu-Qing Liu (Fudan Univ., PR. China)
	Ching-Cherng Sun (National Central Univ., Taiwan)
	Nikolai Timofeev (St Petersburg State Univ., Russian Federation)
	Takeo Yasuda (Toshiba Lighting and Technology Corp, Japan)

Local Organising Committee

Positions	Volunteer
General Chair	Anand Suhas Gharpure (Sonic Multitech P Ltd / Chair Bombay Section)
Conference Chair	Abhay A Phansikar (Consultant, India)
IEEE Admin	Sin-Kuen Hawkins & Carole Graas (Future Directions, USA)
Publicity	Larissa Paredes Muse (Brazil)
Secretary	Saurabh Mehta, (VIT Univ., India)
Treasurer	Kiran TALELE (S.P.I.T., India)
Exhibition Chair	Bhanwarlal Bishnoi (Schnider, India)
Industry Chair	Arvind Kumar (TCS, India)
Hospitality	Dattatray Sawant (NMIMS Univ., India)
Logistics	Mayur Parulekar (Mumbai Univ., India)

Announcement & Call for Paper

LS:18

IEEE

Sustainable Smart Lighting World Conference & Expo

June 8ᵗʰ – 10ᵗʰ, 2023

Mukesh Patel Auditorium, Mumbai, India

Conference Record #58153

Financial Sponsors

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IEEE FUTURE DIRECTIONS

IEEE SMART LIGHTING

Organised by

IEEE BOMBAY SECTION

https://www.ieeesmartlightingworld.org

Email : ls18@ieeebombay.org

Scope of the Conference

The IEEE Sustainable Smart Lighting World Conference & Expo (LS:18) is an IEEE PES & IAS sponsored conference with technical support from Future Directions and Smart Lighting Initiative. The conference will also have and Expo with Industrial Exhibits and Technology Demonstrators. The conference aims to provide an excellent forum for scientists and engineers worldwide, in both academia and industry, to share and exchange the latest progress on the Science and Technology of Lighting.

LS has a more than 45-year history since the 1st LS (LS1) in 1975 in Loughborough, United Kingdom. LS used to be held every three years, such as LS7 in Kyoto (1995), LS8 in Greifswald (1998), LS9 in Ithaca (2001), LS10 in Toulouse (2004), LS11 in Shanghai (2007), LS12 in Eindhoven (2010). Since LS13 in Troy (2012), LS has become a series of biennial Conferences, followed by LS14 in Lake Como (2014), LS15 in Kyoto (2016), LS16 in Sheffield (2018), LS17 in Toulouse, France.

The aim of this collocation is to bring the two communities in contact: the LS community, which has been active in lighting systems, expanding to smart and human-centric lighting, and the IEEE community, which has been focussing, on among others, Innovation, Advancement and energy efficiency for lighting solutions. This joint event will provide a unique forum to discuss and debate the latest developments in energy and environmental impact of appliances and lighting, heating and cooling equipment, electronics, smart appliances, smart meter, micro-grids, renewable, consumer behaviour, the policies and programs both adopted and planned. This interaction will give birth, for sure, to new successful collaborations.

LS:18 Important Dates

Deadline for paper submission	**January 15th, 2023**
Notification of paper acceptance	**February 21st, 2023**
Registration Opens	**February 21st, 2023**
Last Date for Early Registration	**April 15th, 2023**
Last date Foreign Registrations	**May 7th, 2023**
LS18 in Mumbai, India	**June 8th – 10th, 2023**

Registration Fees (incl Local Taxes)

Descriptions* (Early Bird)	Until Feb 28th 2023	
	IEEE Member	Non-IEEE Members
Student / Professional (Only Tutorials) [1]	$59.00	$88.50
Student Author or student delegate [2]	$324.50	$354.00
Professional Author or regular delegate [3]	$442.50	$472.00
Students from Developing Countries [4]	$118.00	$147.50
Acco. person (Gala dinner only) [5]	$50.00	

1) Registration fees for Tutorials day only which gives access to any Tutorial at LS18, coffee breaks, work lunch on Tutorial Day.

2) Registration fees for Students who are full-time/part-time Students and are first listed author in the paper/attendee. The registration gives access to all 3 days of the conference including Tutorial, Tea Breaks, Lunches, Gala Dinner and Registration Kit with Certificate & proceedings.

3) Registration fees for first author/attendee. The registration gives access to all 3 days of the conference including Tutorial, Tea Breaks, Lunches, Gala Dinner and Registration Kit with Certificate & proceedings.

Note: Any one author registration entails maximum 2 papers Any Paper beyond 2 will be charged at $200 for each paper including Charges by IEEE.

4) Registration fees for the Student who is pursuing full-time/Part-time course and is First listed author in the paper/attendee from developing Countries (as specified by IEEE, the list can be found at here.) The registration gives access to all 3 days of the conference including Tutorial, Tea Breaks, Lunches and Registration Kit with Certificate & proceedings. *Gala Dinner coupon needs to be purchased separately, if required at $40 per coupon.*

5) Accompanying persons are welcome to and will be registered for the duration of the conference including social event. This registration mode doesn't give access to the LS18 venue, proceedings and other technical activities.

LS:18

Venue

Host

Paper Submission Information

Contributed Papers Submission
Contributed papers must be in English, A4 Size in IEEE Template for conference and should report original work, completed or in progress, connected with the science and technology of lighting. The length of submitted contributed papers, including figures and references, should be 6 pages maximum.

Paper submission, fully online, is open. Information on submission procedure and paper templates can be found in https://ieeesmartlightingworld.org/

Authors of contributed papers can select either **poster or oral** presentation. The international Scientific Committee may **elevate**, with the agreement of authors, **selected contributed papers to "*landmark*" level**.

Publication
All submitted papers will be peer reviewed by the International Scientific Committee. Accepted papers will be included to the conference proceedings. The proceedings volume will be published in electronic form by the conference leading sponsor organisation and All Accepted and Presented papers will be submitted for publication to **IEEE Xplore®**, which is indexed with world's leading Abstracting & Indexing (A&I) databases which enables invited and contributed papers to be referenced with an individual DOI number. Extended papers will be eligible for submission, after the conference, to IEEE Transactions of Industry Applications or to a MDPI special issue.

Conference Venue

Mumbai is a compact mix of traditional and modern. It is in all ways a vibrant and cosmopolitan city driven by industry, education, science, engineering, wealth, glamour and entertainment. It therefore, provides fruitful networking and collaboration opportunities.

Mumbai is well connected to every part of the world by air and also very well connected to all the cities within India by air, rail and road. Typically, daily direct flights from Frankfurt, London, Paris, Amsterdam, New York, Singapore etc.

The conference will take place in **Mukesh Patel Auditorium** in the campus of NMIMS University in Mumbai. University campus is located 3 km from Mumbai International Airport and it can be reached easily by Local Cabs (20 minutes).