



# ISOL-2023

.....Illuminating Pathways

# INTERNATIONAL SYMPOSIUM ON LIGHTING (20<sup>th</sup> – 21<sup>st</sup> APR' 2023)

Organized By



## International Centre for Automotive Technology

Centre-I: Plot No.26, Sector 3, IMT Manesar,  
Gurugram - 122050, Haryana, India.

Centre-II: Plot No. 01, Sector M-11, IMT Manesar,  
Gurugram - 122050, Haryana, India.

**Venue: ICAT Convention Centre,  
ICAT, Centre-II, IMT Manesar**

## International Symposium on Lighting (ISOL – 2023)

The International Centre for Automotive Technology (ICAT) is organizing an International Symposium on lighting (ISOL-2023). The symposium will provide a common platform to more than 800 professionals related directly or indirectly to the automotive lighting fraternity. The participants will include experts from automotive industry, lighting industry, rule makers, test houses, associations etc. These professionals would discuss & share their experiences and learn about the trends & innovation in lighting technology. The symposium will also include keynote presentations and technical exhibition in which manufacturers, suppliers and service providers will be able to showcase their products and services. This is the successor event to ISOL'2019, ISOL'2017, ISOL'2015, ISOL'2013, ISOL'2011 & SCAL'09(Symposium on Contemporary Automotive Lighting).

## Marching Past into the Future

- ✚ SCAL'09 organized in year 2009
- ✚ ISOL – 2011 organized in year 2011
- ✚ ISOL – 2013 organized in year 2013
- ✚ ISOL – 2015 organized in year 2015
- ✚ ISOL – 2017 organized in year 2017
- ✚ ISOL – 2019 organized in year 2019
- ✚ ISOL – 2023 to be organized in year 2023



## Major Features of ISOL 2023

- ✚ Global Presence from almost all major lighting industry players
- ✚ Technical Paper Presentations
- ✚ Keynote Presentations & Industry Perspective
- ✚ Panel Discussions
- ✚ ISOL Expo -2023
- ✚ ISOL Awards
- ✚ Business Lounges for Networking
- ✚ Cultural Evening & Dinner
- ✚ Track Events

## How to get associated with ISOL-2023



## Who Should Attend?

- ✚ Vehicle & Lighting OEMs
- ✚ Automotive and General Lighting engineers with background in manufacturing, testing, designing, simulation and project management
- ✚ System suppliers of Automotive and general lighting components
- ✚ Quality assurance, product planners and component developers
- ✚ Academia
- ✚ Testing & Certification agencies

## SCOPE OF THE SYMPOSIUM

The symposium will offer a large number of invited talks for both from India & abroad, contributed papers and presentations. Abstracts of the papers on the topics listed below are invited from experts in MS-Word or .pdf format to reach the convener ISoL-2023 on or before 30<sup>th</sup> March 2023. However, technical papers can be submitted in the available format. The symposium will broadly cover the following topics:

- Intelligent Lighting Systems
- Connected Lighting
- Lighting Measurement Techniques
- Energy Efficient Lighting
- Lighting & Environment
- LIDAR Technology and it's application in Automotive Industry
- EMC Issues related to Lighting
- Airfield Lights
- Lighting Design
- Regulatory Aspects related to Automotive Lighting Technology
- LED technology & it's Application in Automotive Industry
- Opto Electronics / Electronics
- Safety Design: Challenges & Opportunity in Automotive Lighting

## IMPORTANT DATES

- Abstract deadline 10th March 2023
- Abstract acceptance notification by 25th March 2023
- Full paper submission 30th March 2023

## REGISTRATION

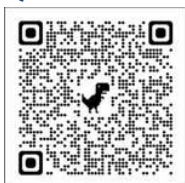
Sr. No.	Early Bird Registration for Individual (until 31 <sup>st</sup> March 2023)	Group Registration (for 10 members and above from same organization) (until 31 <sup>st</sup> March 2023)	Registration Fees for Individual (After 31 <sup>st</sup> March 2023)
<b>Indian Delegates</b>			
01	INR 4,500 + GST per person	INR 4,500 + GST per person	INR 5,000 + GST per person
<b>Foreign Delegates</b>			
02	USD - 200 (including tax) per person	USD -150 (including tax) per person	USD-250 (including tax) per person

We invite you to Register for ISOL- 2023.

*Link for registration :*

[https://docs.google.com/forms/d/e/1FAIpQLSdKhv3U8pQw1AsTOZIJXuFufcxORtr0\\_lzxJxvSw7jFICaF6A/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdKhv3U8pQw1AsTOZIJXuFufcxORtr0_lzxJxvSw7jFICaF6A/viewform?usp=sf_link)

*QR Code or registration*



## SCOPE OF TESTING

SR. NO.	Testing Facility	STANDARDS
1	Lighting and Light signaling Devices (Head Lamp / Front Fog Lamp/ Rear Fog Lamp/ Cornering Lamp/ Warning Lamp / Direction Indicator/ Front and Rear Position (Side) Lamp/ Stop Lamp/ End-outline marker Lamp/ Reversing Lamp/ Side Marker Lamp/ Parking Lamp/ Daytime Running Lamp/Rear Registration Plate (Mark) Illuminating Lamps)	AIS – 010 (Part 1 to Part 5) (Rev. 1): 2010, AIS – 012 (Part 1 to Part 10) (Rev. 1): 2011, AIS – 062 (Rev.1): 2014, ECE Regulation (148, 149, 150) AIS – 127 AIS – 022: 2001, AIS – 057 (Rev. 1): 2010, AIS – 088: 2005, AIS – 089: AIS – 034 (Part 1 to Part 2) (Rev. 1): 2010, ECE Regulation (37, 99, 128), AIS – 130 ASTM D2457 08E1, ASTM E 430-11, ASTM D523-08, ISO 2813 NIST Pub. SP 250-70
2	Retro Reflecting devices	
3	Luminaires for Road and Street Light	
4	Light Sources (Incandescent Lamp, High Intensity discharge Lamp, Halogen Lamp, Light Emitting Diode)	
5	Flood Lights	
6	Glossary Surfaces	
7	Self Ballasted LED Lamp Safety Requirements	IEC LM-79 - 08 : 2008 IS16103 Part - 2 :2012 IS 16107 Part -1 : 2012
9	Electrical and Photometric Measurement of Solid-State Lighting Products	
10	LED Modules for General Lighting Performance Requirements	
11	LED Luminaires Performance	ICAO Annex 14 (Volume I)
12	Elevated Approach Light, Inset Threshold Light, Inset Runway End Light, Elevated Runway Edge Light, Inset Runway End Light, Runway Centerline Light, PAPI Light, Stand Manoeuvring Guidance Light, Exit Taxiway Light, Inset Taxiway Center line Light and many more	

Contact us:

Convener-ISOL'23  
[isol2023@icat.in](mailto:isol2023@icat.in)

Phone: +91-124-4586364/6351/6275

Fax: +91-124-2290005



**NAB (NATRIp)**  
*Driving India Into the Future*

The organizing team of ISOL – 2023 will keep updating you about the event's future updates.