

M P STATE CENTRE
National Workshop - Lighting Trends & Technologies 2011
November 25, 2011

25th November 2011 witnessed the 25th uninterrupted monthly lighting talk by ISLE, MPSC. And what an event it was! A large audience comprising of architects, interior designers, consultants, engineers, students and lighting enthusiasts and a galaxy of speakers made this workshop a truly memorable one.

To celebrate the Silver Jubilee of the uninterrupted monthly lighting talks, the event was organised as a day-long workshop on the theme 'Lighting Trends & Technologies 2011 : Prospering India - Changing Light' at Hotel Radisson Blu, Indore.

At the inaugural session, Mr. Akhilesh Jain, Chairman ISLE, MPSC in his welcome speech threw light on the activities of the centre and how it has attracted more and more lovers and practitioners of lighting to become members and how the attendance is growing month after month. The uniqueness of the monthly meetings lies in fixed day, time and venue that ensure that people are in a position to block this time for the ISLE meets. He also acknowledged the efforts of the members who are putting in untiring efforts in extending the size of lighting fraternity in Indore by getting the right people to join the movement to spread the right knowledge about lighting.

Mr. Rajendra Raje, Convener for the workshop elaborated on the theme of the programme and its relevance in the modern day India. The progress that India has made in all walks of life in the last decade due to its booming economy is clearly reflecting in development in infrastructure like roads, flyovers, airports, malls, multiplexes, hospitals as well as upgradation of manufacturing facilities, and better housing. Lighting has a stellar role to play in all these areas and hence the theme of 'Prospering India - Changing Light'.

Mr Gulshan Aghi, President ISLE talked about how the lighting has evolved over the years due to changing needs and trends and was no longer being perceived as just a tool to overcome darkness. He also talked about the newer application areas and the specialised and significant role lighting is playing in these applications.

Mr. H.S. Mamak, Ex-President ISLE and Ex-Vice President, CIE in his keynote address emphasised the importance of good lighting and how it is not just relevant but mandatory for leading a good lifestyle. Mr Mamak emphasised that the design should take into consideration performance, efficiency and comfort. He narrated how it was important to know the function of the human eye and its role in sending the signals to the brain as 80% of the signals that the brain gets are through the eye and that everything that we see needs light. He mentioned how important light is for our health and well being. He expressed that good lighting should take into account human factors like work patterns and life styles as well as the environmental issues.

There was special screening of an AV message sent by Dr. Ajay Mathur, Director General, BEE specially for this workshop. Dr. Mathur could not attend this workshop as he was away in Durban, South Africa to represent India in the Climate Change negotiations. Dr. Mathur emphasised the need for more energy efficient products as 40% of India's population is still deprived of electricity. He further stated that the first thing these people would deploy once they got electricity was lighting. This clearly indicated huge scope for lighting in India in the years ahead.

The inaugural session was followed by 5 technical sessions covering different areas of lighting. In the first session, Ms. Sudeshna Mukhopadhyay, Director, Philips India delivered a very interesting presenting on 'Non Visual Effects of Light and Human Well Being'. She highlighted how the lighting affects the bio-rhythm of human beings and influences their

behaviour and health by elaborating on the circadian rhythm and how the light or the absence of light affects the secretion of hormones that affect the human mood and behaviour.

The session was followed by a panel discussion on the presentation and was moderated by Mr. S.K. Biyani, Vice President Engineering at Pratibha Group Pithampur. The eminent panellists included Mr. R.P. Kotibhaskar, Senior Electrical Consultant, Mr. R.P. Gautam, Engineering Head at Maral Overseas Limited, Mr. Vishwas Farkya, Sr. Manager at VE Commercial Vehicles as well as Dr. Apoorva Pauranik, a leading Neurologist from Indore.

The second technical session was on Indoor and Architectural Lighting. Whereas Mr. Sanjay Tiwari, National Head, Lighting Solution Group at Wipro talked about 'New Trends in Indoor and Architectural Lighting', Mr. Shreekant Phanse, Lighting Head at Sankalpan Group, Mumbai made a presentation on 'Light - The Fourth Dimension of Architecture'.

Mr Tiwari talked about the trend setters as well as trend changers in interior lighting, evolution of new types of luminaires for the work spaces as well as the new light sources.

Mr Phanse's presentation included breath-taking photographs that revealed the beauty of architecture when lit up with great thought and precision to drive home the reason why lighting is called the fourth dimension of architecture.

The panel discussion that followed was moderated by Mr. Vinay Babar, a leading interior designer and artist from Technocrats, Indore. The panellists included leading architects, Ar. Manish Kumat, Ex-chairman IIID and Managing Director of Abhikalpan Architects, Ar. Dipti Vyas and Ar. Deepak Vipat. The panellists talked about their own experiences with lighting in some of their landmark projects. Ar. Manish Kumat redefined the concept of green building and emphasised the use of daylight to the maximum possible extent through smart architectural design.

The third technical session was dedicated to Lighting in Entertainment Spaces and was addressed by Mr. Sanjeev Sethi, Vice President & Head Lighting BU, C&S Electric. Through his brilliant presentation he showed how lighting excites and entertains everyone in entertainment spaces such as theatres, gardens, stadia and malls. It increases footfalls in malls and helps shopkeepers sell more while creating a tempting ambiance in restaurants for people to enjoy not just the food but also the company of their near and dear ones. He also touched upon the challenges in designing lighting for the entertainment spaces such as mood setting, comfort, luxury, arousing temptation, excitement, creative, functional requirement as well as power saving.

The session was moderated by Mr. Rajendra Raje, Executive Director from Lotus, Central, India's largest chain of Electronics and Consumer Durables stores and Lighting Designer. The panellists included Ar. Puneet Pandey, recipient of Best Young Architect of the Year Award for the year 2007 and Ar. Divya Pandey from Vima - The Dimension, a leading architectural and interior designing firm, Mr. Tapan Sharma, young business executive and a regular visitor to the entertainment spaces such as malls, multiplexes and restaurants and Mr. Sandeep Mathur, a leading electrical consultant who has to his credit lighting designing of one of the largest theme parks in India. Ar. Pandey talked about the creative and innovative challenges in designing these spaces and the role of lighting as the key element in designing them. Mr. Mathur talked about the challenges in executing such large projects where the aesthetics need to be blended with absolute safety since a large number of people visit them. Mr Sharma spelt out his expectations from the entertainment spaces where people like him can unwind, relax and enjoy themselves after a stressful day in the office. He also mentioned how attractive displays with brilliant lighting lured him in buying certain things he had not planned to buy.

The fourth technical session by Mr. Ajay K.R. Senior Manager, Product Marketing at Philips India discussed how Urban Lighting is laying greater emphasis on City Beautification

the world over and how cities are creating their own identity and attracting tourists by becoming beautiful enjoyable places. This exercise also helps in improving the urban life. He also covered the use of automation in outdoor lighting and how proper designing can help save precious energy while creating enjoyable places.

The panel discussion that followed, moderated by Mr. Sandeep Mathur, Electrical Consultant, Versatile Engineering, was one of the highlights of the event. The panellists included such eminent personalities as Mr. P.L. Nene, Retd. Chairman, MP Electricity Board, Mr. Hans Kumar Jain, City Engineer, Indore Municipal Corporation, Mr. Jaideep Karnik, Resident Editor, Nai Dunia, leading Hindi daily and Ar Alok Tiwari. Each of the panellists pitched in with extremely valuable and useful inputs in improving the overall lighting in the city. The healthy panel discussion brought out the need for a lighting master plan for the city just as there were master plans for the other utilities and development. Mr. Hans Kumar Jain expressed a desire to work closely with ISLE and use its expertise for better planning of lighting for the benefit of the city. The discussion also brought out a very interesting comparison between white light and yellow light for street lighting applications.

The final technical session of the day was dedicated to LED Lighting and Automation. Mr. S Chakraborty, Vice President, Surya Roshni and a stalwart in the lighting industry was the first speaker in this session and he delivered a very passionate and power-packed presentation on LEDs. He went into the technical intricacies of LED, its suitability in different applications. LEDs, invented in 1960 as indicator lamps were primarily self luminous objects that have now graduated to an illumination source that is used to view other objects by the light reflected from them. As a widely acknowledged authority on the subject, he mentioned that the arrival of LED as a light source is platform technology that is going to change our lives just as the mobile telephony did. He said that the lumen output and luminous efficacy is doubling every 18-24 months with the reduction in cost. He also mentioned that LED business by 2015 would be 1000 crores. He added that ultimately in future LED will go to OLED or organic LED.

The second speaker, Mr Aseem Gupta of Eagle Techsec, a young entrepreneur engaged in automation, provided the glimpses of how automation is going to engulf our lives in our thrust to save energy while changing the ambience of a place at the click of a button.

The moderator for the panel discussion was Mr Bharat Rawlani, Electrical Engineer at RRCAT, Department of Atomic Energy. He made use of his vast experience and deep knowledge and understanding of the subject to good effect to liven up the proceedings of the panel discussion that included well known technocrat Mr. Tapan Mukherjee, Director Printronix and a widely respected automation expert, Prof. Rakesh Saxena from Shri G S Institute of Technology & Science and Mr. Mukesh Acharya, Chief Engineer, Hotel Radisson Blu.

Prof. Saxena provided his views on LEDs with special emphasis on how the driver can be made more reliable by proper thermal management. Mr. Mukesh Acharya raised his concern on account of harmonics that has been a major source of headache for them as users of LEDs. Mr. Tapan Mukherjee threw light on the possibilities in the field of automation and why it is going to be put to a greater use in time to come.

Most of the GB members, who had come to Indore for the GB meeting on 24th, chose to stay back to witness and be a part of this workshop.

Mr. Bharat Rawlani, Organising Secretary of the workshop proposed the vote of thanks and promised continuation of regular activities at MPSC.

A two-day exhibition of lighting products was also organised. The exhibition was open to public.