



Asia-Pacific
Economic Cooperation

APEC WORKSHOP

For the Promotion and Application of LED Lighting Technology

October 12, 2011

Instructed by:
Chinese Taipei

Organized by:
Chinese Taipei

Sponsored by:
Chinese Taipei



Bureau of Energy,
Ministry of Economic Affairs



ITRI
Industrial Technology
Research Institute



Taiwan Electrical and Electronic
Manufacturers' Association

Purpose of Workshop

- To echo “The Joint Statement of 2009 APEC Ministers”
- Elimination of trade barriers of the four basic clean energy technologies (such as Wind, Solar, Clean Coal and High-Efficiency Lighting)
 - Strengthen the International Standardization activities, especially in the standards related to energy and environmental issues

Key Objectives of Workshop

- To show how does Chinese Taipei successfully set up the LED lighting standards and contribute to industrial development with LED demonstration cases as well as public works
- To share the experiences of promotion and application on LED lighting technology with each others between APEC Member Economies.

Workshop Arrangement

- Time: October 12, 2011
- Venue: Rm. 401, Nangang Exhibition Hall, Taipei World Trade Center
- Budget: Self-funded by BOE, MOEA of Chinese Taipei
- Instructor: Bureau of Energy, MOEA of Chinese Taipei
- Organizer: Industrial Technology Research Institute
- A total of 276 people attended, from 10 APEC Economies and Non-APEC Economies

Workshop Content

- 8 presentations from Chinese Taipei, China, Hong Kong, Japan and the United States of America
- Panel Discussion lead by Dr. Robert Yie-Zu Hu, Deputy General Director of Green Energy and Environment Research Laboratories, ITRI with 8 panelists (the 8 speakers)

Agenda - 1

Time	Topic	Speaker
9:00 ~ 9:30	Registration	
9:30 ~ 9:45	Opening remarks	
9:45 ~ 10:35	<u>Speeches</u> 1. Demonstration Projects of Outdoor LED Lighting Applications in Chinese Taipei 2. China Lighting Industry and LED Lighting	1. Dr. Ming-Shan Jeng Division Director Intelligent Energy-Saving System Division Green Energy and Environment Research Laboratories, ITRI 2. Mr. Yan Sheng Chen President China Association of Lighting Industry(CALI)
10:35 ~ 10:55	Break	
10:55 ~ 12:10	<u>Speeches</u> 3. LED Lighting Technology Development and Applications: Hong Kong ASTRI Practice 4. Efforts by Japanese Lighting Industry for Low-Carbon Future 5. SSL Standards and ENERGY STAR	3. Dr. Enboa Wu Vice President and Group Director Material and Packaging Technologies Group Hong Kong Applied Science and Technology Research Institute Company Limited 4. Mr. Akira Mori Division Director, Corporate Management Division, Japan Luminaires Association 5. Mr. Peter Banwell Marketing Director Energy Star Program, U.S. EPA

Agenda -2

Time	Topic	Speaker
12:10 ~ 13:30	Lunch Break	
13:30 ~ 14:45	<u>Speeches</u> 6. LED Lighting Technology and Low Carbon Light Environment 7. Development and Application Status of Performance Specifications for LED Lighting Products 8.. Measurement System Reliability Considerations When Conducting Long-term Photometry Testing (co-work of Dr. Narendran and Dr. Zhu)	6 Mr. Chou Lien Partner & Design Director Brandston Partnership Inc.(BPI) Special Consultant & Instructor, ITRI 7. Mr. Shuming Hua Senior Engineer & Director National Lighting Test Centre (NLTC) 8. Dr. Yiting Zhu Manager of Technology Testing & Evaluation, Quality Manager of Lighting Research Center NVLAP (National Voluntary Laboratory Accreditation Program) Lighting Product Testing Laboratory
14:45 ~ 15:10	Break	
15:10 ~ 16:50	<u>Panel Discussion</u>	Lead by ITRI Panelists: 8 speakers
16:50 ~ 17:00	Closing Remarks	
18:30 ~ 20:30	Welcome Dinner Formosa Restaurant B1, The Howard Plaza Hotel Taipei	

Conclusion

- After the wonderful speeches, presentations and panel discussion of the experts from 4 APEC Economies, the participating industry can be more specific understanding of the various economies in the practice of standard-setting process. However, the consensus standard during the economies is the next step to reduce the manufacture and accreditation cost.
- For the energy-saving and low carbon future, the demonstration and promotion programs by the governments will be maintained continuously and also enhance the market penetration rate of LED products. When the market growing up, all economies should consider to take advantage of the potential through the supply chain as the long-term strategy. It can assist in producing commercial product development in the LED technology.

Pictures

