



Asia-Pacific
Economic Cooperation

APEC WORKSHOP

On LED Lighting Technology with Energy Saving Issues

October 22, 2012

Instructed by:
Chinese Taipei

Organized by:
Chinese Taipei



Bureau of Energy,
Ministry of Economic Affairs



ITRI
Industrial Technology
Research Institute



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Purpose of Workshop

- The Joint Statement of 2009 APEC Ministers: 1. Elimination of trade barriers of the four basic clean energy technologies (such as Wind, Solar, Clean coal and Efficient Lighting); and 2. Strengthen the International Standardization activities, especially in the standards related to energy and environmental issues, to build up the harmonization with international standards.
- In order to further echo the above statement with regard to high-efficiency lighting, Chinese Taipei held the “Workshop on LED Lighting Technology with Energy Saving Issues” on October 22, 2012 in Taipei.

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Key Objectives of Workshop

- to share Chinese Taipei's experience of the promotion for LED lighting by public works and demonstration projects with APEC Member States.
- to know and learn from the cases how they promote the LED lighting application of APEC Member States in order to refine the strategy of LED lighting industry in Chinese Taipei.

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Workshop Arrangement

- Time: October 22, 2012
- Venue: Convention Hall, Howard Civil Service International House
- 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 175 people from APEC Economies attended

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Workshop Content

- 6 presentations from Chinese Taipei, Australia, Malaysia, New Zealand and Thailand
- Panel Discussion lead by Dr. Yie-Zu Hu, Deputy General Director of Green Energy and Environment Research Laboratories, ITRI with 6 panelists (the 6 speakers)

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Agenda -1

Time	Topic	Speaker
8:40 ~ 9:30	Registration	
9:30 ~ 9:40	Opening Remarks by Mr. Yunn Ming Wang, Deputy Director General of BOE, MOEA	
9:40 ~ 10:10	1. LED Street Lighting Demonstration Project & Experience	Dr. James C. Chen Marketing Manager Green Energy and Environment Research Laboratories, ITRI, Chinese Taipei
10:10 ~ 10:40	2. LED Benchmark Testing in the Domestic Australian Market - a Discussion on Test Methods and Results	Ms. Megan O'Loughlin Lighting Research Scientist Light Naturally, Australia
10:40 ~ 11:00	Tea Break	
11:00 ~ 11:30	3. LED Initiatives and Energy Saving Issues – Malaysian Perspectives	Ms. Hafiza Yob Senior Executive Demand Side Management Suruhanjaya Tenaga (Energy Commission) Malaysia
11:30 ~ 12:00	4. Harnessing Lighting Efficiencies in New Zealand	Mr. Terry Collins General Manager Products Energy Efficiency and Conservation Authority New Zealand

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Agenda-2

Time	Topic	Speaker
13:30 ~ 14:00	5 Energy Efficiency Standard and Labeling Program for LED in Thailand	Mr. Asawin Asawutmangkul Senior Engineer Department of Alternative Energy Development and Efficiency Ministry of Energy, Thailand
14:00 ~ 14:20	6. Energy Efficiency Management Programs in Chinese Taipei	Mr. Henry Shin-Hang Lo Senior Project Manager Green Energy and Environment Research Laboratories, ITRI, Chinese Taipei
14:20 ~ 15:00	Tea Break	
15:00 ~ 16:20	<u>Panel Discussion</u> <u>Subject:</u> LED Lighting Technology with Energy Saving Issues <u>Topics:</u> 1.Standard & Testing 2.Demonstration Program & Application 3.Governmental Policy and Strategy, Incentives 4.Technology Development	Lead by Dr. Robert, Yie-Zu Hu Principal Researcher &Deputy General Director Green Energy and Environment Research Laboratories, ITRI Chinese Taipei Panelist: 6 speakers
16:20 ~ 16:30	Closing Remarks	
18:30 ~ 20:30	Welcome Dinner B1, Howard Civil Service International House	Hosted by BOE/MOEA, Chinese Taipei

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Conclusion

- There is a paramount need to setup a standard of energy efficiency (level) and an LED testing/measurement standard in APEC region. These might result in cost reduction of LED products and market expansion. All APEC economic entities can benefit from them. By the way, we should try our best to exclude trade barriers.
- Technologically, All APEC economic entities can share their information and experiences in LED products. Also, there can have some kind of cooperation or exchange of information between laboratories to prevent development overlapping. We should keep upgrading the performance of LED products to enhance market formation and take-off.

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Pictures of the Activities

