

USA EGEE&C Project Review

Cary Bloyd
EGEE&C-41
Bangkok, Thailand
November 11-12, 2014


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Workshop to support the development of national lighting design centers in the APEC region (EWG 14 2012A)

- ▶ Public private partnership between governments, industries and universities to develop formal lighting design centers have been shown to be an effective model to stimulate, facilitate, and accelerate the development and commercialization of energy-efficient lighting and daylighting technologies in developed APEC economies.
- ▶ The energy used in the operation of buildings contributes to almost 40% of greenhouse gas emissions. Electric lighting accounts for 20-25% of this overall energy use.


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Workshop to support the development of national lighting design centers in the APEC region: project goal

- ▶ Workshop was held November 4-6, 2013 in Bangkok, Thailand
- ▶ Workshop brought together forty speakers and participants from 12 APEC economies and included representatives from successful lighting design centers and leading researchers and government representatives from APEC member economies
- ▶ Workshop targeted at both the presentation of best practices and the definition of the next steps forward in the development of national lighting design centers in multiple APEC member economies
- ▶ Cost: Total \$120,000 APEC Support fund: \$80,000

3


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Workshop to support the development of national lighting design centers in the APEC region: project background

- ▶ The project built on the success of established building lighting centers such as:
 - The California Lighting Technology Center at the University of California Davis (<http://cltc.ucdavis.edu/>)
 - The Lighting Research Center at Rensselaer Polytechnic Institute (<http://www.lrc.rpi.edu/>)
- ▶ The centers meet their advanced lighting development goals through technology development, demonstrations, and outreach and education activities in partnership with utilities, lighting manufacturers, end users, builders, designers, researchers, academics, and government agencies

4


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