

DRAFT

TC 4.5 Program Subcommittee Meeting Minutes

Sunday, January 22, 2012
4:00 – 5:00 p.m.

Montrose 1
Palmer House Hilton
Chicago, Illinois

Attendees [10]

Paul Berry/Dow Corning	Roger LeBrun/Velux America
William duPont/Sunergy Consulting (Chair)	Peter Lyons/Design Builder Australia
Chris Gueymard/Solar Consulting Services	Ray McGowan/NFRC
Christian Kohler/LBNL	Bipin Shah/WinBuild
Aziz Laouadi/NRC	Athanassios Tzempelikos/Purdue University

I. Introductions. William duPont agreed to be meeting secretary.

II. San Antonio Program, June 23-28, 2012

Technical Paper Session: “Emerging Fenestration Systems,” *Chair: Ray McGowan/NFRC*

- 1) “Daylighting Performance of Controlled Shading Systems,” *Athanassios Tzempelikos/Purdue University.*
- 2) “An Experimental and Simulation Study of Lighting Performance in Offices with Automation Interior Roller Shades,” *Athanassios Tzempelikos/Purdue University*

Seminar: “Characterization of Tubular Daylighting Devices,” *William C. duPont/Sunergy Consulting*

- 1) “Visible Transmittance Measurements of Tubular Daylighting Devices,” *Charlie Curcija/LBNL*
- 2) “State of the Art Thermal Modeling of Tubular Daylighting Devices,” *Aziz Laouadi/NRC*
- 3) “A Tubular Daylighting Manufacturer’s Perspective,” *Dan Slate /Solartube*

Forum: “Rating Non-Residential Windows – What’s the Fuss?,” *Charlie Curcija/LBNL*

Deadlines: Conference Paper Abstracts & Session Requests are due in **September 26, 2011;**

Conference Papers are due in **January 9, 2012;**

Reviewed Technical Papers, Seminar & Forums Session Proposals due on **February 13, 2012;**

All Presentations are due to ASHRAE in **June 4, 2012.**

III. Dallas Program, January 26-30, 2013

Transactions Session: “NFRC Research Projects,” *Chair: Christian Kohler/LBNL*

- 1) “Effect of Surface Heat Transfer Coefficients on U-Factors for Projecting Products,” *Charlie Curcija, A.F. Fomicher & M.S. Bhandari/Carli, Inc.*
- 2) “Three Dimensional Heat Transfer Effects in Fenestration Systems,” *Charlie Curcija, M. Stocki & M.S. Bhandari/Carli, Inc.*
- 3) “Window Awning Rating Feasibility Assessment,” *W. Ross McCluney/Sun Pine Consulting, William C. duPont/Sunergy Consulting & John Gant/Glen Raven Custom Fabrics*
- 4) “Determination of Thermal Transmittance of Tubular Daylighting Devices,” *Michael Thoman/Architectural Testing, Inc.*

Dallas Program, January 26-30, 2013 (Continued)

Transactions Session: “Advances in Fenestration Performance Prediction,” *Chair: William duPont/Sunergy Consulting*

- 1) “Formation and Runoff of Condensate on a Vertical Window Surface,” *Vivek Kansal, and John Wright/Univ. of Waterloo*
- 2) “Insect Screen Shade Model,” *W. Ross McCluney/Sun Pine Consulting*
- 3) “Net-Zero Energy House Design in India,” *Bipin Shah/WinBuild, Mahabir Bhandari/Carli, Inc. & Robin Sinha/Carlton University*
- 4) “The Study of the Thermal Performance of Windows Used to Meet the Energy Conservation Building Codes in India,” *Bipin Shah/WinBuild, Purvi Panchal.& Rajon Rawal*

Transactions Session: “Innovative Uses of Fenestration,” *Chair: John Hogan/Seattle DPLU*

- 1) “Determination of Garage Door and Rolling Door U-Factors,” *Michael Thoman/Architectural Testing, Inc. & Joseph Hetzel/DASMA*
- 2) “Dynamic Thermal Performance of a High Performance Door”, *Joseph Hetzel/DASMA*
- 3) “Using CFD Modeling to Predict the U-Factors of Tubular Daylighting Devices,” *Aziz Laouadi/NRC*
- 4) “Building Integrated Photovoltaic Façade Test Data,” *Andreas K. Athienitis/Concordia University.*

**Deadlines: Conference Paper Abstracts & Session Requests are due in March 19, 2012;
Technical Papers are due April 15, 2012; Conference Papers are due in July 9, 2012;
Reviewed Technical Papers, Seminar & Forums Session Proposals due on August 13, 2012; &
All Presentations are due to ASHRAE on January 7, 2013.**

IV. Adjourn

Respectively Submitted: William C. duPont/Sunergy Consulting