

DRAFT

# TC 4.5 Program Subcommittee Meeting Minutes

Sunday, June 29, 2014  
6:00 – 7:00 p.m.

University Room – Union Street Tower  
Sheraton Seattle  
Seattle, Washington

Chair: Thanos Tzempelikos/Purdue University

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## Attendees [5]

Ying-Chieh Chan/Purdue University  
Charlie Curcija/LBNL  
William duPont/Sunergy Consulting (Acting Chair)  
Peter Lyons/Peter Lyons & Associates  
Roger LeBrun/Velux America

I. Introductions. William duPont is acting Chair and meeting secretary.

## II. Seattle Program, June 28-July 1, 2014

**Technical Paper Session 3:** {Sunday, June 29, 2014, 1:30 – 3:00 p.m., Seattle Convention Center, Room 608}

- 1) “Thermal Design of Window-Wall Interface in Wall Energy Retrofits Using High Performance Vacuum Insulation (SE-14-008),” *Jan Kosny, Cezary Misiopceki, Ali Fallahi, Nitin Shukla, William duPont & Lawrence Carbary/Fraunhofer USA*
- 2) “Energy Codes and the Evolution of Fenestration: 20 Years of NFRC Ratings in Seattle (SE-14-010),” *John Hogan/Consultant*

**Conference Paper Session 10:** {Tuesday, July 1, 2014, 11:00 – 12:30 p.m., Seattle Convention Center, Room 603}

- 1) “Annual Daylight Glare Evaluation for Typical Perimeter Offices: Simulation Models versus Full-Scale Experiments Including Shading Controls (SE-14-C041),” *Ying-Chieh Chan, Iason Konstantzos, Thanos Tzempelikos/Purdue University*

**Deadlines: Conference Paper Abstracts & Technical Papers due September 23, 2013**

**Conference Papers due January 9, 2014;**

**Seminar & Forums Session Proposals due February 13, 2014;**

**All Presentations due June 2, 2014.**

## III. Chicago Program, January 24-28, 2014

**Conference Session:** “Advances in Fenestration Performance Prediction of Glazing and Attachments,” *Chair: Thanos Tzempelikos/Purdue*

- 1) “Daylight Glare Probability assessment with shading controls -measurements and annual simulation”, *I. Konstantzos & A. Tzempelikos/Purdue University*
- 2) “Assessing Convective Heat Transfer Coefficients Associated with Indoor Shading Attachments using a New Numerical Technique”, *S.M. Foroushani, J.L. Wright, D. Naylor & M.R. Collins/University of Waterloo*

- 3) "Impact of Solar Optical Properties of Roller Shades on Energy, Daylighting and Comfort", Y-C. Chan, A. Tzempelikos & B. Protzman/Purdue University

**Seminar:** "Characterization of Tubular Daylighting Devices," Anil Parekh/NRCan

- 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," Neil Digert /Solartube

**Seminar/Workshop:** "Thermal Performance of Doors," John Hogan/Consultant

- 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

**Deadlines: Conference Paper Abstracts due March 15, 2014**

**Technical Papers due April 19, 2014**

**Conference Papers due July 7, 2014;**

**Seminar & Forums Session Proposals due August 11, 2014;**

**All Presentations due January 3, 2015.**

#### **IV. Atlanta Program, June 22-26, 2013**

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

- 1) "Window Awning Rating Feasibility Assessment," W. Ross McCluney/Sun Pine Consulting, William C. duPont/Sunergy Consulting & John Gant/Glen Raven Custom Fabrics
- 2) "NFRC WINDOW and THERM Fenestration Attachment Validation Project," William C. duPont/Sunergy Consulting & Charlie Curcija/LBNL

**Transactions Session:** "Computer Simulation Methodologies to Predict the Performance of Blinds and Shading Systems," Chair: NEEDS SESSION CHAIR

- 1) "Modeling the Performance of Honeycomb and Cellular Shading Systems," Charlie Curcija, Jacob Jonsson & Robert Hart/LBNL
- 2) "Modeling the Performance of Pleated Shading Systems," Charlie Curcija, Jacob Jonsson & Robert Hart/LBNL

**Deadlines: Conference Paper Abstracts & Technical Papers due September 22, 2014**

**Conference Papers due January 5, 2015;**

**Seminar & Forums Session Proposals due February 13, 2015;**

**All Presentations due June 2, 2015.**

#### **V. Adjourn**

*Respectively Submitted: William C. duPont/Sunergy Consulting*