TC 4.5 Program Subcommittee Meeting Minutes

Sunday, June 26, 2011
4:00 – 5:00 p.m.

Cap-Chat Room
Fairmont Queen Elizabeth
Montreal, Quebec, Canada

Attendees [10]:
Michael Collins/University of Waterloo
Brian Crooks/Cardinal Glass Industries
Charlie Curcija/LBNL
William duPont/Sunergy Consulting (Chair)
Chris Geuymard/Solar Consulting Services
Aziz Laouadi/NRC
Anil Parekh/NRCan
Dan Slate/Solatube
Athanassios Tzempelikos/Purdue University
John Wright/University of Waterloo

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


Seminar 25: “Performance of Shading Devices in Commercial Buildings,” Chair: D. Charlie Curcija/LBNL {Monday, June 27, 2011, 8:00 – 9:30 a.m. Hilton Bonaventure, Outremont Room}
2) “State of the Art Thermal Modeling of Complex Fenestration Systems,” Aziz Laouadi/NRC
4) “Dynamic Shading in Commercial Buildings: Analysis and Case Studies,” Athanassios Tzempelikos/Purdue University

Poster Session 4: “Convective Heat Transfer in Hemispherical Cavities with Planar Inner Surfaces (1415-RP),” Hamed H. Saber & Abdelaziz Laouadi/NRC {Tuesday, June 28, 2011, 11:00 a.m. – 1:00 p.m. Hilton Bonaventure, Le Portage Room}

Deadlines: Program Proposals, Seminar & Forums were due on February 14, 2011; Technical & Conference Papers, Seminar & Forums were due on March 14, 2011; All Presentations were due to ASHRAE on June 6, 2011.

III. Chicago Program, January 21 – 25, 2012 (Theme: The impact of HVAC&R on our daily lives)

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,” Dan Slate/Solatube


Deadlines: Conference Paper Abstracts & Full Technical Papers are due on April 18, 2011; Complete Conference Papers are due on July 8, 2011; Seminar & Forums Session Proposals are due on August 12, 2011.
IV. San Antonio Program, June 23-28, 2012

Transactions Session: “Predicting the Performance of Complex Fenestration Systems,” Chair: Anil Parekh/NRC
1) “Convective Heat Transfer in Dome Skylight Cavities,” Aziz Laouadi/NRC
2) “Daylighting Performance of Controlled Shading Systems,” Athanassios Tzempelikos/Purdue University
3) “Using CFD Modeling to Predict the U-Factors of Tubular Daylighting Devices,” Aziz Laouadi/NRC

Transactions Session: “NFRC Research Projects,” Chair: Christian Kohler/LBNL
4) “Determination of Thermal Transmittance of Tubular Daylighting Devices,” Michael Thoman/Architectural Testing, Inc.
5) “Determination of Garage Door and Rolling Door U-Factors,” Michael Thoman/Architectural Testing, Inc. & Joseph Hetzel/DASMA
6) "Dynamic Thermal Performance of a High Performance Door", Joseph Hetzel/DASMA

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) “Condensation Potential of Windows,” Hakim Elmahdy, Wahid Maref & Michael Lacasse/NRC
3) “Spectral Selectivity in Fenestration Systems,” W. Ross McCluney/Sun Pine Consulting
4) “Angular Selectivity in Fenestration Systems,” W. Ross McCluney/Sun Pine Consulting
5) “Insect Screen Shade Model,” W. Ross McCluney/Sun Pine Consulting

1) “Daylighting Performance of Controlled Shading Systems,” Athanassios Tzempelikos/Purdue University.

Deadlines: Program Proposals, Seminar & Forums are due in February 2012; Technical & Conference Papers, Seminar & Forums are due in March 2012; All Presentations are due to ASHRAE in June 2012.

V. Adjourn

Respectively Submitted: William C. duPont/Sunergy Consulting