

TC 1.5 Program Subcommittee Agenda

Orlando, February 2, 2020, 7:00 to 8:00 pm

Chair: Mike Galler

- Call to Order
- Review of Agenda
- Current Programs:
 - 2 submitted program proposals accepted
 - Cannabis Grow Facilities - Challenges for HVAC Design, Equipment Selection and Operation - Part 2
 - The Great Energy Predictor Shootout III
 - 1 cosponsored program proposal not accepted
 - Multiscale Building Energy Modeling, Part 12
- Kansas City: Review of Accepted Programs:

ID	Sponsoring Committee	Program Type	Session Title	Track	Co-Sponsoring Committee	Other Sponsors	Session Chair
10	1.5 - Computer Applications	Seminar	What's new in Cybersecurity1	Systems and Equipment			Mike Galler
27	1.5 - Computer Applications	Seminar	Cannabis Grow Facilities: Challenges for HVAC Design, Equipment Selection and Operation	Systems and Equipment			Stephen Roth

- **Speaker Ratings:**

Session Title	Oral Presentation	Technical Quality	Graphical Presentation	Composite Score	Free Of Commercialism	Speaker Score (Calculated)	Speaker Score (AppVendor)
16 - Multiscale Building Energy Modeling, Part 11							
Speaker #01	4.33	4.17	4.00	4.21	100%	4.17	4.17
Speaker #02	4.50	4.25	4.00	4.31	100%	4.25	4.25
Speaker #03	4.40	4.20	4.40	4.35	100%	4.33	4.33
Speaker #04	4.25	4.75	4.50	4.44	100%	4.50	4.50
50 - Don't Get Left Behind, It's Happening Now!							
Speaker #01	4.88	4.75	4.63	4.78	100%	4.75	4.75
Speaker #02	4.14	4.29	4.00	4.14	100%	4.14	4.14
Speaker #03	4.43	4.43	4.57	4.46	100%	4.48	4.48

- Austin 2020 Annual Conference, June 27 – July 1, 2020
 - a. Deadlines
 - *Monday, August 12, 2019 Conference Paper Abstracts, Technical Papers and Paper Session Requests Due*
 - *Friday, August 30, 2019 Conference Paper Abstract Accept/Reject Notifications*
 - *Monday, December 2, 2019 Conference Papers Due - Submitted for Review (Includes Bio, Learning Objectives and Methods of Assessment)*
 - *Friday, December 20, 2019 Conference Paper Accept/Revise/Reject Notifications*
 - *Monday, January 13, 2020 Website Opens for Seminar, Workshop, Panel, Debate, Forum and Extended Abstract Proposals*
 - *Monday, January 13, 2020 Revised Conference Papers/Final Technical Papers Due*
 - *Monday, February 10, 2020 Program (Seminar, Forum, Workshop, Debate and Panel) and Extended Abstract Paper Due*
 - *Tuesday, February 18, 2020 Conference and Technical Paper Final Accept/Reject Notifications*
 - *Monday, March 2, 2020 Extended Abstracts Accept/Reject Notifications*
 - *Monday, March 16, 2020 Debate, Panel, Seminar, Forum, Workshop Accept/Reject Notifications*
 - *Friday, May 1, 2020 Upload of presentation open for review*
 - *Monday, June 1, 2020 Presentation submissions due*
- Chicago 2021 Winter Conference, January 23-27, 2021
 - Wednesday, March 18, 2020: Conference Paper Abstracts, Technical Papers and Paper Session Requests Due
 - Wednesday, April 22, 2020: Conference Paper Abstract Accept/Reject Notifications
 - Monday, June 15, 2020: Website Opens for Seminar, Workshop, Forum, Debate, and Panel Proposals
 - Wednesday, July 8, 2020: Final Conference Papers Due - Submitted for Review (Includes Bio, Learning Objectives and Methods of Assessment); Request for Conference Paper Sessions Due
 - Monday, July 27, 2020: Conference Paper Accept/Revise/Reject Notifications
 - Monday, August 10, 2020: Revised Conference Papers/Final Technical Papers Due
 - Monday, August 24, 2020: Conference and Technical Paper Final Accept/Reject Notifications
 - Monday, October 5, 2020: Seminar, Workshop, Forum, Debate, and Panel Accept/Reject Notifications
- Future Program ideas (and random notes):
 1. GPU Computing-
 - i. Using GPUs for building energy simulations-
 - ii. Education component
 - iii. Real-life from other domains- get data to support ASHRAE upgrade
 2. ??From Emerging Apps??
 - i. Is social media good for the HVAC industry? Workshop?
 - ii. IOT sensors
 3. Digital Twinning- Roth- Blockchain (Tim Dwyer)
 4. Demo: Fly a drone during seminar: Title: Stick up your duct
 5. Computer Security Basics (Mike Galler)
 6. “Emerging computer technologies for HVAC: New and innovative user interface for HVAC” – BuildingIQ / NEST API / ecobee
 7. Arduino for HVAC
 8. "Optimize HVAC Energy consumption through data mining approach" (Ziang/Ron):
 9. “Capturing Design Intent in BIM”
 10. “Interoperability Software and Schema Technologies for Purposes of Building Energy Modeling”

11. “Using gbXML To Run Loads and Build Your HVAC System BIM Schematics “
12. “Emerging Computer Technologies for HVAC”
13. More mobile app seminars????
14. Reality capture (geometry capture) ->
15. Jeff Haberl -> Take GIS images
16. “Put building geometry capture in your pipe and smoke it” MagicPlan/ Phil Haves/ John K. (3D Printing) -> Todd will work on it
17. Jeff Haberl: Follow up to 1468 -> Dave Branson
18. Commissioning tools: HVAC-Cx / UT (Mike Galler)
19. Art Halstrom->DBOSS
20. Big Data for HVAC – Krishnan
21. Free software tools for HVAC
22. And You Thought You Owned Your Buildings Data In The Cloud!: Bruce B.
23. NetZero Analysis Strategies – Krishnan.
24. Free software tools: HVACR and looking at low cost software tools like apps and open source software / usage of Excel
25. Imagine 3 killer apps for ASHRAE -> just make them up.
26. Fake apps.
27. AI, MI, predictive analytics