BEC - Cleveland presents

Heat, Air and Moisture (HAM) Modeling and the Building Envelope

André Desjarlais

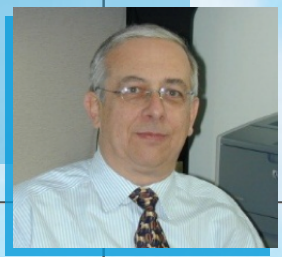
Program Manager, Oak Ridge National Laboratory

Wednesday, October 15, 2014

Corporate College East, Warrensville Heights, Ohio

Registration: 4:30 pm Program: 5:30 - 7:00 pm

André Desjarlais is the Group Leader for the Building Envelope Research Program at the Oak Ridge National Laboratory (ORNL). He has been involved in building envelope and materials research for over 40 years, first as a consultant and, for the last 23 years, at ORNL. His areas of expertise include moisture control, building envelope and material energy efficiency, and durability. Desjarlais has been a member of ASTM (American Society for Testing and Materials) since 1987 and serves on Committees C16 on Thermal Insulation (for which was a past chair), E06 on Building Systems, and D08 on Roofing. He was awarded the title of ASTM Fellow in 2011. He has been an ASHRAE member since 1991, and he serves on Technical Committees TC 4.4 on Thermal Insulation and Building Systems (for which was a past chair), TC 1.8 on Mechanical Insulation Systems, and TC 1.12 on Moisture Control in Buildings. In addition André is a founding director of the RCI Foundation.



Learning Objectives:

- Understand fundamental building science concepts for exterior walls and roofs as they apply to HAM modeling software
- How to adapt real-world building science to HAM modeling software
- Understand the capabilities and limitations of HAM modeling software and when it is appropriate for use
- Discuss the role of HAM modeling software in the next generation of building codes
- Review several case studies involving HAM modeling software

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(CEUs pending)