



Shaping Tomorrow's  
Built Environment Today

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## TC 2.8 Buildings' Environmental Impacts and Sustainability

Sunday, June 26, 2016, 5:00-7:00 pm

St. Louis, MO

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| <b>1. Roll call and Introductions</b>   | Macauley         |
| <b>2. Accept agenda/approve minutes of Orlando meeting</b>  | Stafford         |
| <b>3. Announcements/Membership</b><br>Review of ASHRAE Code of Ethics   | Macauley         |
| <b>4. Standing Committee Liaisons</b> TAC/RAC/StdCom/Program/SpecPub/ALI                                      |                  |
| <b>5. Subcommittee Reports</b>  |                  |
| 5.1 GreenGuide  |                  |
| 5.2 Standards   | Lawrence         |
| • SPC 189.1 Standard for the Design of High-Performance Green Buildings except Low-Rise Residential Buildings | Persily/Lawrence |
| • SPC 189.3P Design, Construction and Operation of High Performance Green Healthcare Facilities               | Fick             |
| • SPC 191P Standard for the Efficiency Use of Water in Building, Site and Mechanical Systems                  | Swift            |
| 5.3 Handbook  | Fick             |
| 5.4 International   | Rakheja / Mills  |
| 5.5 Water-Energy Nexus  | Ferraro / Betz   |
| 5.6 Research  | Altwies          |
| 5.7 Programs  | Brown            |
| 5.8 Existing and Future Building Challenges   | Macauley         |
| 5.9 Website   | Ng               |
| <b>Related Activities Reports</b>   |                  |
| <b>6.</b> 6.1 ASHRAE Advanced Energy Design Guides Update   | Torcellini       |
| 6.2 ASHRAE bEQ  |                  |
| 6.3 Input from other TCs?   |                  |
| <b>Old Business</b>   |                  |
| <b>7.</b> 7.1 TC 2.8 Scope  | Macauley         |
| <b>New business</b>   |                  |
| <b>8.</b>   |                  |
| <b>9. Adjourn</b>   |                  |

***NEXT MEETING: Sunday, January 29, 2017, Las Vegas, NV***

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## **ASHRAE Code Of Ethics**

(Approved by ASHRAE Board of Directors January 30, 2013)

1.140.001.1 As members of ASHRAE or participants in ASHRAE committees, we pledge to act with honesty, fairness, courtesy, competence, integrity and respect for others in our conduct.

A. Efforts of the Society, its members, and its bodies shall be directed at all times to enhancing the public health, safety and welfare.

B. Members and organized bodies of the Society shall be good stewards of the world's resources including energy, natural, human and financial resources.

C. Our products and services shall be offered only in areas where our competence and expertise can satisfy the public need.

D. We shall act with care and competence in all activities, using and developing up-to-date knowledge and skills.

E. We shall avoid real or perceived conflicts of interest whenever possible, and disclose them to affected parties when they do exist.

F. The confidentiality of business affairs, proprietary information, intellectual property, procedures, and restricted Society discussions and materials shall be respected.

G. Each member is expected and encouraged to be committed to the code of ethics of his or her own professional or trade association in their nation and area of work.

H. Activities crossing national and cultural boundaries shall respect the ethical codes of the seat of the principal activity.

### **TC 2.8 Web Site**

**<http://tc28.ashraetcs.org>**

To subscribe or unsubscribe to the list, you can go to the TC 2.8 list web site:

<http://lists.onebuilding.org/listinfo.cgi/tc28-l-onebuilding.org>

This list is only for communications related to ASHRAE TC 2.8 Building Environmental Impacts and Sustainability. Do not distribute messages of any commercial nature.

To send a message to all subscribers to the list, address your message to:

[tc28-l@lists.onebuilding.org](mailto:tc28-l@lists.onebuilding.org)

*Note: ASHRAE does not operate this list. Please do not ask them for help. If you have any questions, please contact: Jason Glazer [JGlazer@gard.com](mailto:JGlazer@gard.com)*

*Thanks to Jason and GARD Analytics for hosting this list!*

For comments, suggestions, volunteering to help, etc. with anything dealing with TC 2.8, please contact me at:

**Dunstan L. Macauley, PE**

WSP

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### **Upcoming Conferences:**

2017 Winter Conference:	Las Vegas, NV
2017 Annual Conference:	Long Beach, CA
2018 Winter Conference:	Chicago, IL
2018 Annual Conference:	Houston, TX

Information on these ASHRAE Conferences can be found on ASHRAE's website under Events – [www.ashrae.org](http://www.ashrae.org)

## 2016 ASHRAE Annual Conference Meeting Schedule

Time/Date	Meeting/Event	Location, Room, Floor*
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### Sunday, 26 June 2016

11:30 AM to 12:00 PM	International Subcommittee	Convention Center Rm 130
12:00 PM to 1:00 PM	Green Guide Subcommittee	Convention Center Rm 130
1:00 PM to 1:30 PM	Water-Energy Nexus Subcommittee	Convention Center Rm 130
1:30 PM to 2:45 PM	Research Subcommittee	Convention Center Rm 130
2:45 PM to 3:45 PM	Handbook Subcommittee	Convention Center Rm 130
3:45 PM to 4:15 PM	Program Subcommittee	Convention Center Rm 130
4:15 PM to 4:45 PM	Existing Buildings Subcommittee	Convention Center Rm 130

<b>5:00 to 7:00 PM</b>	<b>TC 2.8 Building Environmental Impacts and Sustainability – Main Committee Meeting</b>	<b>Convention Center Room 130</b>
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### Monday, 27 June 2016

8:00 AM to 12:00 PM	SPC 189.3	Convention Center Rm 264
9:00 AM to 11:00 AM	SPC 191	Convention Center Rm 125

### Tuesday, 28 June 2016

8:00 AM to 12:00 AM	SPC 189.1	
9:30 AM to 7:00 PM	SPC 189.1 Working Group Meetings	Convention Center Rm 276

### Wednesday, 29 June 2016

8:00 AM to 12:00 PM	SPC 189.1	Convention Center Rm 220
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## TC 2.8 Sponsored and Co-Sponsored Sessions – 2016 St. Louis Conference

### Tuesday, June 28, 2016 9:45 - 10:45 am **WORKSHOP 8 (BASIC)**

#### **How to Predict the Long-Term Success of Your Green Design: The Five Characteristics that Determine Technology Adoption**

Track: Professional Skills Beyond Engineering

Room: 227

Have you ever wondered why a new technology is readily accepted by some but resisted by others? In this workshop, discover the five characteristics of any technology or strategy that will determine its chances of being adopted successfully on projects. Based on technology adoption research from Everett Roger's "Diffusion of Innovations," learn to be more strategic when selecting design options for projects. The goal of this simple technique is to choose the best options for clients - ones that will be embraced and maintained for the life of the building.

### Wednesday, June 29, 2016 8:00 am - 9:30 am

#### **SEMINAR 54 (INTERMEDIATE)**

#### **Standard 100-2015 Overview and the Potential of Its High-Performance Existing Building Metrics**

Track: Fundamentals and Applications

Room: 222

Existing building renovations comprise 86% of annual construction cost in the United States. Improving the energy performance of existing buildings represents one of our greatest opportunities for a more sustainable future. This seminar provides information on new provisions in Standard 100-2015. The revised standard provides comprehensive and detailed descriptions of the processes and procedures for the retrofit of existing residential and commercial buildings to achieve greater energy efficiency. Development and application of newly developed energy targets for compliance will be described, along with detailed energy audit procedures included in the standard.