

**Wireless Applications Subcommittee  
ASHRAE TC 7.5, Smart Building Systems  
2007 Summer Meeting  
Long Beach, CA**

**Date:** Sunday, June 24, 2007  
**Time:** 4:00 – 5:00 pm

*Scope:*

The Wireless Applications Subcommittee of TC 7.5: Smart Building Systems explores the use of wireless communications technology for enabling smart building systems. The aim of this subcommittee will be (a) to sponsor research to understand the performance, benefits, and drawbacks of wireless communications in buildings and to enhance the impact of wireless technology in building operations, and (b) to organize programs that inform ASHRAE members of advances in wireless technology and that provide those members with experiences and guidelines in using wireless technology for building applications.

Research: (25 minutes)

*Current Research Ideas*

- RTAR : Development of metrics to evaluate benefits of sensor networks in buildings (Bill Healy).
- Draft RTAR: Locating and Identifying IEEE 802.15.4 RF Network Devices (Bob Old)
- Idea: Control network faulty behavior (Cliff Federspiel)

*New Research Ideas*

Program (25 minutes):

*Current Program Ideas*

- Forum: Wireless Control Network Reliability and Stability (Cliff Federspiel)
- Seminar: Characterization of Wireless BAS Systems (Carol Lomonaco)

*New ideas*

New Business (10 minutes)