

## TC 7.5 Fault Detection and Diagnosis Subcommittee Meeting Agenda

2018 Annual Meeting, Houston, TX

Date: Sunday, Jun 24, 2018

Time: 2:30 pm-3:15 pm

Location: Grand C, Hilton

0:00	Call to Order	
	Circulate Sign In Sheet, self-introduction, announce the subcommittee scope.	
10 min	Update/Discussion of Active project/RTARs/Work Statement	
	WS 1781: Methods to evaluate AFDD strategies for air handling unit systems- update with revision	Jin Wen, David Yuill, Michale Bobker
	WS 1812: Detection and diagnostics of circulating fluid leakage for hydronic systems	Zheng O'Neill and Christin Cetin
15 min	Idea pool revisit, New Research Ideas, Open discussion: RTAR idea: collect, clean, and label existing data for FDD research. Should DATA indicate existing faults/labeling? How to find ground truth if ever possible	Xiwang Li, Liping Wang, Kristen. Shawn Shi (Carleton)
	Automated Alarm Management: DDC alarms used for FDD- return the threshold to reduce false alarms in an automated process. Any possible work together with TC1.4?	Carol Lomonaco, Reinhard Seidl, Li Song, Te Qi, John Wallace
10 min	Summary Presentation: Fault Detection and Diagnostic Methods for Supermarkets-Phase 1: a) Many questions and good interests; b) It is recommended to have a seminar on this RP; c) We should have follow-up RTAR on this topic.	
10 min	Other issues and open discussion	

- a: Active, p: Parking lot, n: New

The FDD Subcommittee of TC 7.5: Smart Building Systems aims at exploring and developing technologies to help detecting and diagnosing common faults existing in building HVAC systems. The scope of this subcommittee includes (a) identifying and sponsoring research projects to develop new FDD technologies, evaluate existing FDD technologies; provide recommendations to building operators and practical engineers; and develop supporting tools for researchers in FDD areas; and b) organizing programs to disseminate research findings and advancements in FDD areas among ASHRAE members.