



# Product Fundamentals-II

(2009 Session-5: May 12-14, 2009, Rochester, NY)

## Product Fundamentals:

1. Introduction (1-hr)
2. HVAC Terminology (1-hr)
3. Air Handlers: (6-hrs)

Design and Selection Considerations for the following sub-components:

1) Air Blender	7) Economizer	13) Intake
2) Blank-Access-Turn	8) Face & Bypass	14) Filtration
3) Coil	9) Face Damper	15) O.A. Monitoring
4) De-humidification	10) Fan & Motor	16) Moisture Eliminator
5) Diffuser	11) Heat Recovery	17) Multizone
6) Discharge Plenum	12) Humidification	18) Heat

4. WSHP (3hrs)
5. RTU (3hrs)
6. Chillers: Compressor Technologies (4-hrs)

**Purpose:** This training will help you understand the basic subcomponents that make up each of these more complicated products. The discussion will go 'system-level' from time to time in order to better understand how these products work. We will discuss various design parameters that need to be considered when applying this type of equipment. Throughout this course, we will regularly discuss the 'first-cost' vs. 'operating costs' ramifications of each possible choice.