

Walking on Air: Building the Foundation for High-Performance Workspace

Walking on Air: Building the Foundation for High-Performance Workspace (one-hour course)
Subject Codes: 5.3 Technical Knowledge; Bldg. Construction & Mat.; and 2.4 Interior Design; Sustainable Design

IIDA Course #4727

AIA Course #HAW527, including health, safety, welfare

Course Description: This presentation discusses the climate of overall cost reductions and improved occupant comfort demands. It proposes that Sustainable Construction along with an integrated design approach can meet these challenges and demands at a competitive cost. This presentation introduces the concept of underfloor air as part of this solution as part of the collaborative design process.

This course will cover the following objectives:

- Understand the concept of underfloor air distribution and why it is a viable alternative to overhead systems
- Learn how UFAD impacts LEED applications and improves Indoor Air Quality
- Understand how each office can have individual user control for improved comfort and productivity
- Understand the importance of a collaborative design approach

Course outline:

1. Introduction
 - Sustainable Design Concept
 - Goal of Collaborative Design Strategies
2. Environmental impact of Construction
3. The Construction Industry – What is holding us back?
4. What is LEED®? Points, Products.
 - Integrated Design and starting early
 - Cost – perceived vs. real, Green Building premium
 - Life cycle Costing
5. Detailed Presentation
 - Underfloor Distribution – differences
 - Indoor Air Quality
 - Types of access floors
 - Case Studies
6. Modular technology solutions
7. Portfolio examples
8. Summary and Conclusion