



# CIFE

Center for Integrated Facility Engineering

<http://cife.stanford.edu>

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## CIFE Technical Advisory Committee 2014

**Wednesday, April 9, 4 PM, Thursday, April 10, all day**

Location - CIFE, The Jerry Yang & Akiko Yamazaki Environment & Energy Building  
473 Via Ortega, Room 292

### Wednesday, April 9

- 4:00 Welcome, CIFE Update - J. Kunz
- 5:10 Summary of current top initiatives of member organizations and opportunities for synergy - Members
- 5:40 Conclusion - J. Kunz
- 5:45 -- Poster Session with CIFE students & social hour --

### Thursday, April 10

- 8:00 -- Continental Breakfast --
- 8:20 Welcome and Overview of the Day - J. Kunz
- 8:35 *2014-08 Uncovering Best Practices for Data-Driven Facility Management and Maintenance, with Implications for Design and Construction Decisions* – M. Fischer, M. Lepech, A. Kavousian, P. Shiel
- 8:55 *Review forms; next speaker setup*
- 9:00 *2014-02: Methodology for Digital Design and Additive Manufacturing of High Performance Building Façade Segment Optimized to Environmental Constraints* – M. Fischer, V. Bazjanac, N. Mrazovic
- 9:20 *Review forms; next speaker setup*
- 9:25 *2014-07: Impact of VDC Metrics - What should we Measure?* - M. Fischer, C. Kam, S. Jones, D. Senaratna, A. Celozza, I. Leung
- 9:45 *Review forms; next speaker setup*
- 9:50 *2014-04: Optimizing Green Building Ventilation Based on Indoor Air Quality Measurements and Energy Consumption* – L. Hildeman, O. Fringer, K. Cheng
- 10:10 *Review forms; next speaker setup*
- 10:15 -- Break --
- 10:35 *2014-10: A Simulation-Based Approach to Accounting for Uncertainty and Variability in Look-Ahead Planning* – M. Fischer, J. Choo, N. Garcia-Lopez
- 10:55 *Review forms; next speaker setup*
- 11:00 *2014-11: Managing Construction Parts – From Manufacturing to Construction* - M. Fischer, C. Kam, B. Schwegler, C. Chi, D. Hall, N. Zhao, S. Tao, H. Chen
- 11:20 *Review forms; next speaker setup*

- 11:25 *2014-03: Total Value for Client: Wellbeing-Sustainability-Target Value Design as an Integrated Triple Bottom Line Approach* – K. Law, R. Fruchter, F. Grey
- 11:45 *Review forms*
- 11:50 *2014-05: Enhancing Decision-Making on Sustainable Building Projects Using Influence Diagrams* – M. Lepech, R. Shachter, K. Abraham
- 12:10 *Review forms; next speaker setup*
- 12:15 -- Lunch --
- 1:15 *2014-09 Integrating Infrastructure for Improved Life-Cycle Performance* – M. Fischer, M. Lepech, F. Flager, R. Best
- 1:35 *Review forms; next speaker setup*
- 1:40 *2014-01: Leveraging Pre-Construction BIM for Weekly Scope-Schedule-Cost (SSC) Field Planning by Construction Crews* – M. Fischer, M. Walton, F. Peterson
- 2:00 *Review forms; next speaker setup*
- 2:05 *2014-06 Impact of Material Characteristics on Construction and Lifecycle Performance of Buildings* – M. Fischer, S. Billington
- 2:25 *Review forms*
- 2:30 -- Break --
- 2:50 Selection of Projects
- 5:00 Adjourn