

KRMCA Regional Concrete Promotion Groups Present

# Life Cycle Assessments: Essential for High Performance

FREE TO ATTEND | LUNCH PROVIDED

Seminar registered with AIA-CES.  
Architects and Engineers will earn 1.0 Professional Development Hour

Please join us to learn more about Life Cycle Assessments and the research activities at Massachusetts Institute of Technology's Concrete Sustainability Hub (CSH) to address the dual use aspect of concrete.

Life Cycle Assessments (LCA) are starting to appear in the LEED2012 rating system, the International Green Construction Code (IgCC), and the 2030 Challenge.

This one-hour presentation will include a brief overview of Life Cycle Assessments, how material selection will contribute to meeting our carbon constrained future, and recent reports from the MIT CSH. It will reveal the second year results from developing comprehensive strategies for new technologies, designs and policies associated with the future use of concrete buildings and pavements. Environmental and cost impacts and the potential for huge improvements will be discussed on various building types.

#### Learning Objectives:

- Introduction to Life Cycle Assessment process and standards.
- Review of how LCA is being used in rating systems, environmental assessments, and policy-making.
- Year 2 Results from "*The Edge of Concrete: A Life-Cycle Investigation of Concrete and Concrete Structures*", from the MIT Concrete Sustainability Hub.

**[REGISTRATION DEADLINE: Friday 2/10/12]**



## Tien Peng

Assoc. AIA, LEED BD+C, PMP

Our speaker is the Senior Director of Sustainability, Codes and Standards at the National Ready Mixed Concrete Association. Tien is a long-time advocate of sustainability, promoting green building and operational excellence. He has spent over 17 years in the building, design and construction industry facilitating design teams to yield more creative solutions to improve the built and natural environment. Tien holds an M.Arch and a B.E. in mechanical engineering.



**About the Concrete Sustainability Hub:** Established in 2009 in collaboration with the Portland Cement Association and Ready Mixed Concrete (RMC) Research Foundation, MIT's Concrete Sustainability Hub is a collaborative effort to integrate the best science on concrete into industry practices. The MIT Concrete Sustainability Hub includes researchers from MIT's School of Engineering, School of Architecture and Planning and the Sloan School of Management.



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## Registration Form

Check One:

- Mon 2/13/12 - Downtown Marriott, Louisville, KY
- Tues 2/14/12 - Holiday Inn, University Plaza, Bowling Green
- Wed 2/15/12 - U of Evansville, Koch Engr Bldg, Rm 100, Evansville, IN
- Thu 2/16/12 - Hyatt Regency, Lexington, KY
- Fri 2/17/12 - Embassy Suites River Center, Covington, KY

**NAME**

**COMPANY & EMAIL ADDRESS**

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**Mail, fax or email registration to: KRMCA**

1 HMB Circle  
Frankfort, KY 40601  
ddeters@krmca.org  
fax 502-695-9499



**Concrete Thinking**  
for a sustainable world

**Questions? Call (502) 695-1535**

### Details

Mon 2/13/12	-Louisville, KY	Registration 11:00am EST, Lunch 11:30am EST, Program 12:00pm EST
Tues 2/14/12	-Bowling Green, KY	Registration 11:30am CST, Lunch 12:00pm CST, Program 12:00pm CST
Wed 2/15/12	-Evansville, IN	Registration 12:00pm CST, Lunch 12:30pm CST, Program 12:30pm CST
Thu 2/16/12	-Lexington, KY	Registration 11:00am EST, Lunch 11:30am EST, Program 12:00pm EST
Fri 2/17/12	-Covington, KY	Registration 11:00am EST, Lunch 11:30am EST, Program 12:00pm EST

**REGISTRATION DEADLINE: Friday, February 10, 2012**