

ADVANCING  
CONCRETE TECHNOLOGY  
ENHANCING THE BUILT  
ENVIRONMENT



## INTERNATIONAL CONCRETE SUSTAINABILITY CONFERENCE

MAY 12-14, 2014 — BOSTON | [WWW.CONCRETESUSTAINABILITYCONFERENCE.ORG](http://WWW.CONCRETESUSTAINABILITYCONFERENCE.ORG)

## MIT CONCRETE SUSTAINABILITY HUB SHOWCASE

MAY 15, 2014 — BOSTON | [CSHUB.MIT.EDU](http://CSHUB.MIT.EDU)



Boston Harbor

MIT Maclaurin Building

Bunker Hill Bridge

EXPLORE CONCRETE SUSTAINABILITY WITH WORLD RENOWNED EXPERTS AT  
THE EVENT ATTENDED BY TOP BUILDING INDUSTRY PROFESSIONALS



Join us for the 2014 *International Concrete Sustainability Conference* and the *MIT Concrete Sustainability Hub Showcase*, May 12-15, 2014, in Boston. The 9th annual *Sustainability Conference* and 5th annual *MIT CSH Showcase* will provide learning and networking opportunities on the latest advances, technical knowledge, continuing research, tools and solutions for sustainable concrete manufacturing and construction.

## CONFERENCE SCHEDULE

MAY 12		HYATT REGENCY CAMBRIDGE	
6:00 pm - 7:00 pm	Opening Reception		
MAY 13		HYATT REGENCY CAMBRIDGE	
7:00 am - 8:00 am	Continental Breakfast		
8:00 am - 10:00 am	Opening General Session		
10:00 am - 10:30 am	Break		
10:30 am - 12:00 pm	Concurrent Technical Sessions		
12:00 pm - 1:30 pm	Lunch		
1:30 pm - 3:00 pm	Concurrent Technical Sessions		
3:00 pm - 3:30 pm	Break		
3:30 pm - 5:00 pm	Concurrent Technical Sessions		
6:00 pm - 7:00 pm	Reception		
MAY 14		HYATT REGENCY CAMBRIDGE	
7:00 am - 8:00 am	Continental Breakfast		
8:00 am - 10:00 am	Concurrent Technical Sessions		
10:00 am - 10:30 am	Break		
10:30 am - 12:00 pm	Concurrent Technical Sessions		
12:00 pm - 1:30 pm	Lunch		
1:30 pm - 3:00 pm	Concurrent Technical Sessions		
3:00 pm - 3:30 pm	Break		
3:30 pm - 5:00 pm	Closing General Session		

## SHOWCASE DESCRIPTION

The MIT Concrete Sustainability Hub Showcase will be an opportunity to look back at the progress that has been made over the first five years of the Hub's existence and celebrate the developments to come in the next five years of the Hub's second phase. CSHub researchers will showcase research on concrete science, buildings, and pavements using poster sessions, plenary presentations, and interactive workshops. The event is an opportunity for stakeholders, including researchers, design professionals, and industry professionals to see first-hand the progress being made at MIT.

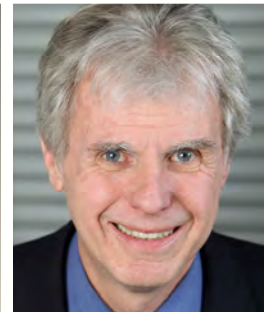
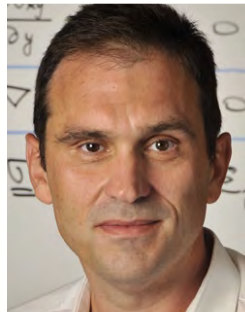


## SHOWCASE SCHEDULE

MAY 14		MIT MEDIA LAB	
6:00 pm - 8:00 pm	Opening Reception and Poster Session		
MAY 15		HYATT REGENCY CAMBRIDGE	
6:30 am - 7:30 am	RMC Walk for Sustainability*		
7:00 am - 9:00 am	Continental Breakfast		
9:00 am - 12:00 am	General Session		
12:00 pm - 1:30 pm	Lunch		
1:30 pm - 3:30 pm	Buildings Research Workshop		
1:30 pm - 3:30 pm	Pavements Research Workshop		
1:30 pm - 3:30 pm	Concrete Science Research Workshop		

## PROFESSIONAL DEVELOPMENT

Conference and Showcase attendees can receive up to 18 professional development hours (PDH's) depending on the sessions they attend.



Jeremy Gregory

Randy Kurchain

Franz Ulm

Krystyn Van Vliet

Roland Pellenq

Hamlin Jennings

**Arash Noshadravan**, Massachusetts Institute of Technology, United States, *Analyzing Cost and Hazard Resistance Trade-offs in Residential Construction*

**Dr. Natt Makul, PhD**, Phranakhon Rajabhat University, Thailand, *Utilization of Unprocessed High-volume Coal Fly Ash Combined with Biomass Rice Husk Ash in Cost Effective Self-Consolidating Concrete*

**Hamed Maraghechi**, Pennsylvania State University, United States, *Investigation of Using Alkali Activation to Enhance the Pozzolanic Performance of Recycled Glass Powder*

**Styliani Papatzani**, University of Bath - BRE Centre for Innovative Construction Materials, United Kingdom, *The Effect of the Addition of Nanoparticles of Silica on the Strength and Microstructure of Blended Portland Cement Pastes*

**Nicholas Santero, PhD**, PE International, United States, *Understanding Health Product Declarations and LEED*

**Md Siddiqui**, University of Texas at Austin, United States, *A Rational, Sustainable Approach to Pavement Concrete Mixture Design*

## SHOWCASE SPEAKERS (Partial list)

**Jeremy Gregory, PhD**, Executive Director, Concrete Sustainability Hub and Research Director, Massachusetts Institute of Technology

**Randolph E. Kirchain, PhD**, Principal Research Scientist, Materials Systems Laboratory, Massachusetts Institute of Technology

**Franz-Josef Ulm, PhD**, Professor, Civil and Environmental Engineering, Massachusetts Institute of Technology

**Roland J.-M. Pellenq, PhD**, Senior Research Scientist, Massachusetts Institute of Technology

**Hamlin Jennings, PhD**, Adjunct Professor, Principal Investigator, Concrete Sustainability Hub, Massachusetts Institute of Technology

**Krystyn J. Van Vliet, PhD**, Associate Professor of Materials Science and Engineering, Massachusetts Institute of Technology

A complete list of Conference and Showcase speakers is available online at [www.concretesustainabilityconference.org](http://www.concretesustainabilityconference.org).