



## MIT Concrete Sustainability Hub Showcase

*May 14-15, 2014, MIT Media Lab and Hyatt Regency Cambridge*

### Agenda

<b>Wednesday, May 14</b> <i>(MIT Media Lab, E14-6<sup>th</sup> floor, Winter Garden, 75 Amherst Street)</i>		
6:00 – 8:00 pm	Cocktail reception and poster session featuring research by MIT students and postdoctoral associates	
<b>Thursday, May 15</b> <i>(Hyatt Regency, 575 Memorial Drive)</i>		
7:00 – 9:00 am	Breakfast / Registration <i>(Courtyard Reception &amp; Ballroom Prefunction BCD)</i>	
9:00 – 9:10 am	Welcome <i>(President's Ballroom CD)</i>	<i>Dr. Jeremy Gregory</i> <i>Prof. Markus Buehler</i> <i>Assoc. Provost</i> <i>Karen Gleason</i>
9:10 – 9:20 am	The MIT Concrete Sustainability Hub: a successful industry-academia partnership	<i>Dr. Jeremy Gregory</i>
9:20 – 10:10 am	What did we learn in Phase I about concrete science?	
	Dissolution	<i>Prof. Jeffrey Grossman</i>
	Precipitation	<i>Prof. Hamlin Jennings</i>
	Hardened properties	<i>Dr. Roland Pellenq</i>
10:10 – 10:30 am	Break	
10:30 – 11:20 am	What did we learn in Phase I about life cycle cost and environmental assessment?	
	Pavement-vehicle interaction	<i>Prof. Franz Ulm</i>
	Pavement life cycle cost and environmental assessment	<i>Dr. Randolph Kirchain</i>
	Building life cycle cost and environmental assessment	<i>Ms. Randa Ghattas</i>
11:20 – 11:40 am	What can we expect in Phase II of the CSHub?	<i>Dr. Jeremy Gregory</i>
11:40 – 12:00 pm	Recognition	<i>Dr. Jeremy Gregory</i>
12:00 – 1:30 pm	Buffet Lunch <i>(Riverside Pavilion)</i>	



1:30 – 3:30 pm

Three interactive panel discussion sessions on CSHub Phase I research topics:

1. Concrete Science *(President's Ballroom CD)*

- Water sorption hysteresis, transport, and drying shrinkage  
*Prof. Martin Bazant*  
*Prof. Hamlin Jennings*  
*Mr. Matthew Pinson*
- Clinker toughness and reactivity experiments  
*Dr. Roland Pellenq*  
*Dr. Christian Hoover*  
*Dr. Konrad Krakowiak*

2. Pavements *(Paul Revere Room)*

- Pavement-vehicle interaction and pavement life cycle assessment  
*Prof. Franz Ulm*  
*Dr. Randolph Kirchain*  
*Dr. Arghavan Louhghalam*  
*Mr. Mehdi Akbarian*  
*Ms. Xin Xu*
- Pavement life cycle cost analysis  
*Dr. Randolph Kirchain*  
*Mr. Omar Sweil*

3. Buildings *(Thomas Paine Room)*

- Incorporating hazard resistance into building life cycle cost analysis  
*Dr. Jeremy Gregory*  
*Ms. Randa Ghattas*  
*Dr. Arash Noshadravan*
- Early-stage building life cycle assessment  
*Dr. Jeremy Gregory*  
*Ms. Randa Ghattas*  
*Mr. Josh Hester*  
*Mr. Paolo Tecchio*