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Join us for a presentation on *May 18, 2012 - 11:30 am-1:00 pm*

"Engineering Sustainable Concrete Structures: Challenges, Opportunities and New Frontiers"

With more than 23 billion tons per year, concrete continues to be the most widely used manufacturing material on Earth. Unfortunately, the process of concrete production and use is responsible for 5-10% of the total CO₂ emissions worldwide, making concrete the 3rd largest contributor to the CO₂ emissions after electricity generation and transportation. On the other hand, there is no other bulk material on the horizon that could replace concrete as the backbone material for our increasing infrastructure demands imposed by mega-urbanization. Thus, there is an urgency to rethink concrete as a sustainable part of our societies. In this talk, I will present current challenges and opportunities in modern engineering of concrete materials and the new frontiers that hold the promise for a paradigm shift in concrete design and technology.

Dr. Rouzbeh Shahsavari, Assistant Professor in the Department of Civil and Environmental Engineering at Rice University, is our speaker at this Roundtable.

To attend this Roundtable, please register online at <http://www.forum.rice.edu/>

Fee: \$25 per person includes a Boxed Lunch

Guests and non-members are welcomed!

Location: Rice Ley Student Center in the Grand Hall

Directions: www.rice.edu/maps

Future Roundtable Dates

June 8, 2012 July 13, 2012 August 17, 2012
October 5, 2012 November 9, 2012 December 14, 2012

XIV Annual Forum

Forum Dinner Banquet - September 10, 2012

All Day Forum - September 11, 2012

