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Dr. Joseph Biernacki Leads International Efforts to Improve Concrete Sustainability

A standing-room only audience listened to Dr. Maria Juenger of the University of Texas-Austin during a recent presentation at the American Concrete Institute (ACI) semi-annual meeting where she presented work co-authored by TTU's Dr. Joseph J. Biernacki of the Department of Chemical Engineering. The subject, a vision for coordinated research to develop a comprehensive understanding of the underlying chemistry behind hydration of portland cement, is a plan which hopefully will lead to improved concrete sustainability. Biernacki lead a team of nine co-authors and spearheaded the development of the recently published vision document and was an organizer of the NSF funded **International Summit on Cement Hydration Kinetics and Modeling** (<http://blogs.cae.tntech.edu/hydration-kinetics/>) held at Laval University in 2009. Highlights of the presentation are reported in the Daily Commercial News and Construction Record, see November 7, 2012 for more information at <http://dconl.com/article/id52681/--concrete-sustainability-requires-coordinated-research-into-hydration-believes-expert> (<http://dconl.com/article/id52681/--concrete-sustainability-requires-coordinated-research-into-hydration-believes-expert>).

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