Tuesday, November 12, 6:00 pm
3310 Newmark Civil Engineering Lab

Sustainable Mix Design Solutions for Paving Applications

Presented by Chetana Rao, PhD

The talk will focus on optimizing fly ash replacement levels in paving mixes for project specific needs and the incorporation of internal curing in concrete paving. Fly ash can have the following effects on concrete: increased workability, reduced heat of hydration, increased ultimate strength, mitigation of ASR and sulfate attack, reduced CO₂ footprint, and reduced cost.

Source: http://pavingatlanta.com/blog-0/?Tag=concrete%20pavement

Dr. Chetana Rao brings over 17 years of experience in transportation research, and technology transfer covering the broad areas of materials, pavement analysis and design, bridges, performance prediction, quality assurance (QA), nondestructive testing, and value engineering. Dr. Rao’s research portfolio includes projects supported by the FHWA, NCHRP, FAA, State DOTs, and industry organizations with an overall goal of improving the performance and service lives of transportation infrastructure. She has conducted seminal analytical and experimental research advancing the knowledge domain and has also developed products directly implementable by practitioners. Dr. Rao has also assisted agencies with technology deployment and training.

Anyone interested in concrete is invited! We will provide pizza and beverages before the meeting. See you there!
http://publish.illinois.edu/americanconcreteinstitute/