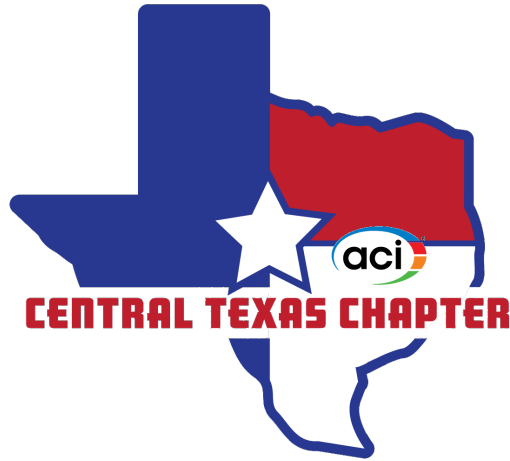




Professional Development Hours (PDH's)

Various States have established the PDH as a requirement for professional license renewal. Typically, this is a self-certifying requirement. Attendees have a personal responsibility to assess the applicability of attended program elements to their professional development. Attendees are encouraged to consult their state licensing board to answer any questions regarding PDH credits. Attendees are hereby advised that neither The Central Texas Chapter of The American Concrete Institute nor the participating speakers guarantee compliance of the individual program elements with the qualifications established by individual State licensing boards.

Certificate of Attendance

This Certificate Documents That

**has attended the following presentation sponsored by the
Central Texas Chapter of the American Concrete Institute**

Thursday, April 8, 2021

via Webinar

11:30 PM – 12:30 PM

Why is Bill Gates suddenly paying attention to concrete, and how will that affect you in Texas?

Bill Gates made headlines in February with the release of his new book, "How to Avoid a Climate Disaster." In the book, he dedicates an entire chapter to cement production. Relax... he's not arguing to shut down the concrete industry; he recognizes that we need to continually build and provide shelter and infrastructure. Instead, he believes we need to find an inexpensive solution to making low-CO2 cement. There are several pathways to achieving this, with impacts on concrete construction ranging from invisible to dramatic. In this talk, I'll discuss some of these options, the current implementation of them worldwide, and predict the future of concrete in Texas.

Our speaker was Dr. Maria Juenger. Dr. Juenger is a Professor and holder of the Austin Industries Endowed Fellowship in the Department of Civil, Architectural, and Environmental Engineering at the University of Texas at Austin. Dr. Juenger's teaching and research focus on materials used in civil engineering applications. She primarily examines chemical issues in cement-based materials, including phase formation in cement clinkering, hydration chemistry of cements and supplementary cementitious materials, and chemical deterioration processes in concrete. Her current research efforts emphasize the interaction of cement-based materials and the environment. This work encompasses the development and characterization of cementitious systems with lower carbon dioxide and energy footprints, as well as the capacity of cementitious materials to produce or remove airborne and waterborne pollutants. Dr. Juenger is a fellow of ACI and the American Ceramic Society (ACerS) and serves on the Board of Directors of ACI. Dr. Juenger received her B.S. degree in Chemistry from Duke University and Ph.D. in Materials Science and Engineering from Northwestern University. After completing her Ph.D., she was a postdoctoral researcher in Civil Engineering at the University at California, Berkeley before coming to Texas.

Sabrina I Garber

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ACI President 2021
Central Texas ACI Chapter