

The Concrete Convention and Exposition — Spring 2018



American Concrete Institute
Always advancing

International Lunch

Sunday, March 25, 2018 • 11:30 am – 1:30 pm • \$30 U.S. per person

Road to New Transport Infrastructure – Super express Maglev and Extended Airport

The American Concrete Institute is honored to welcome Dr. Koichi Maekawa, to The Concrete Convention and Exposition in Salt Lake City, UT, as the International Lunch Guest Speaker. The objective of Maekawa's presentation is to introduce Maglev super-express train (500km/hr) and ocean-extended Tokyo International Airport as national challenges to a new transport infrastructure. Overview of maglev linear-Shinkansen construction of about 82 billion US dollars is presented to meet the increasing traffic demand and business, and the conceptual design for concrete structures and new performance requirements for materials will be reported. Another recent achievement to meet the challenge of in-bound transport is the extended Tokyo Haneda International Airport. It is truly one monolithic no-jointed reinforced concrete deck of 0.6km² and has become the world-first non-crack runway structure built above the ocean. The lifetime performance based design/contract and the new construction system with super-quality concrete are the technical highlight, and the crack control and the fatigue damage assessment are underlined. Social efficiency of these transport infrastructures will be thought about together with the engineering interest.



Dr. Koichi Maekawa, born in 1957, is a professor of Department of Civil Engineering, The University of Tokyo, Japan. His academic background is structural concrete, and his current major is infrastructure engineering and chemo-physics & nonlinear mechanics. 30 years ago, he was also involved in the development of self-compacting concrete. Dr. K. Maekawa is a Chair of Concrete Committee of Japan Society of Civil

Engineers, and a former Vice President of this institute. He serves as a program coordinator responsible for the cross-ministerial strategic innovation program (SIP) of the Cabinet Office of the Japanese Government on asset management of infrastructures and facilities.

The Concrete Convention and Exposition will take place at the Grand America and Little America Hotel, Salt Lake City, UT, March 25-29, 2018. Visit www.aciconvention.org before March 5, 2018 to register for the International Lunch at the convention!