Important Facts about Tall Buildings

Urban areas are getting more crowded every day. The construction of tall buildings is increasing due to expensive lands, and there is a need to keep all the utilities and infrastructure condensed in a smaller area. At the same time, the tendency is to avoid the use of automobiles inside the cities to help reduce pollution and hours of nonproductive activity.

United States was the first country to start this movement, mainly in New York and Chicago. Recently, others like Korea, Japan, and China are also joining this trend. On the other hand, in countries such as United Arab Emirates, and Saudi Arabia the main purpose is to construct these types of buildings to create a landmark for the city.

The talk will be focused on the description of the most recent tall buildings being constructed, the different structural schemes and the different materials used. In addition, it will include different case studies in which we are involved.

About the Speaker

Dr. Stark graduated as a Civil Engineer from the National University of Mexico (UNAM) and got his Master's and Ph.D. degrees from the University of Illinois, Urbana - Champaign.

Dr. Stark has been structural engineer for over 30 years. His work is based on reinforced and prestressed concrete design. He has designed a large variety of structures from infrastructure to urban projects. The relevant projects have been in hotels, hospitals, office and residential buildings, exhibition centers, subway, sewage systems and pier docks. Dr. Stark has participated in over 1,000 peer reviews. He has been the consultant for the U.S. Department of State in Mexico since 1991 and has been the consultant for BBVA Bank since 1989.

Dr. Stark has been Professor at the National University of Mexico since 1979 and Dean at the Graduate Department at UNAM from 1988 to 1992. He is a member of ACI 318 since 1995 and fellow member of the ACI. Dr. Stark has given more than 130 seminars related to concrete design in different countries including Mexico, U.S., Colombia, Brazil, Ecuador, Peru and Guatemala.