

Structural Engineering Seminar Series

CEE595S

***Moving toward Cities where
Earthquakes will not Cause a Grievous Disaster***

Akira Wada

Professor Emeritus, Tokyo Institute of Technology

Abstract: The proposal focuses on large cities where people, information, wealth, and assets are highly concentrated and aims at achieving a society in which major earthquake disasters will not occur by mitigating the disasters caused by major earthquakes as much as possible. The main content are: 1.Deep thinking based on the latest scientific knowledge and rich imagination; 2.Selection of places suitable for residence and living; 3.Introducing the urban seismic coefficient; 4.Pushing for improvement in the seismic performance of buildings and infrastructures; 5.Easing the concentration of population and functions; 6.Building communities that enable shelter and escape; 7.Resilient technology of the information and communication system and its effective utilization; 8.Preparation and implementation of emergency response after earthquakes; 9.Development and application of structural seismic technology; 10.Drawing experience from domestic and foreign earthquake disasters and the launch of international cooperation and knowledge sharing; 11.Taking action from a cross-specialty horizon.

Bio: Dr. Akira Wada, recipient of the 2011 Fazlur R. Khan Lifetime Achievement Medal and Professor Emeritus of the Tokyo Institute of Technology, is considered to be a Japan's leading expert in structural engineering with a specific focus on seismic structural design, seismic isolation and damping structures. Dr. Wada's contributions to the field of science and technology and connections in Japanese academic and government circles make him uniquely qualified to lead and consult on a wide variety of projects. Since becoming Professor at the Tokyo Institute of Technology in 1989, Dr. Wada has held a number of important positions, including serving as President of ANCER and chairing the CTBUH Japan Chapter since its formation in 2010. In 2014, he was elected President of the Japan Seismic Isolation Association. He also has served as President of the Architectural Institute of Japan (AIJ, 2011.6-2013.5), Member of Science Council of Japan (SCJ, 2005.10-), Executive Director of Japan Academic Network for Disaster Reduction (JANET-DR, 2016.1-).

**Monday, October 8th, 4:00-5:00pm
1310 Yeh Student Center**