Hiroki Hamaguchi & Masashi Yamamoto

Seismic Isolation and Structural Control Technology for Buildings

October 10, 10:00 am – 11:30 am
HH 104

Abstract
Seismic isolation and innovative damping systems for buildings have become widespread in Japan since the late 1980’s. In this seminar, an outline of structural control technologies and building applications are provided. The application of these technologies to new construction and the retrofit of existing structures will be discussed highlighted by the presenters’ personal experiences in the 1995 Kobe and 2011 Tohoku earthquakes.

Takenaka Corporation is a leading design and construction firm in Japan with a large emphasis on research and development. Hiroki Hamaguchi is an active committee member of the Architectural Institute of Japan as well as the Japanese Society for Seismic Isolation. Masashi Yamamoto, D.Eng, has over 60 patents, many in innovative damping designs; some of these will be discussed.

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