

Special lecture on

Seismic Design and Safety of Buildings in Japan

(日本における建物の耐震設計と耐震安全性)

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Time and Date: 9:00—10:30, June 28th (Thursday), 2018

(2018 年 6 月 28 日 木曜日 9:00—10:30)

Place: Lecture Room 511, 1F of Building G5, (すずかけ台 G5 棟 1 階, 511 講義室)



Summary

Design and calculation of reinforced concrete structures in Japan are discussed. Several practical problems related to present design and calculation methods are reviewed and the features of non-linear dynamic analyses, non-linear static analyses and linear static analyses are explained. Finally, practical design examples of RC structures using response control system and base isolation system are introduced and discussed.

Main points of this work are:

- Present calculation methods of reinforced concrete structures in Japan
- Importance of showing the seismic performance of structures
- Effective use of response control system and base isolation system
- Important mental attitude as an ideal structural designer

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