Y. NAKANO LAB. [Safer Buildings against Earthquakes and Tsunamis]



Department of Fundamental Engineering

Earthquake Engineering & Structural Dynamics

Department of Architecture

http://sismo.iis.u-tokyo.ac.jp/

Seismic Performance Evaluation of Reinforced Concrete Building Structures

- MEMBERS: Evaluation of Drift Capacity of RC Columns with Corrosion on Rebar
- SUB-ASSEMBLAGE: Simulation of In-plane Behavior of Masonry Wall Infilled RC Frames
- **OVERALL STRUCTURE: Response Evaluation Method of Buildings due to Waterborne Debris Impact Load**
- **INTERNATIONAL COOPERATION: Project for Technical Development to Upgrade Structural Integrity of** Buildings in Densely Populated Urban Areas and its Strategic Implementation towards Resilient Cities







Ship's drifting behavior at Hachinohe bay in 2011

Drifting ships may cause severe damage of reinforced concrete buildings due to their collision

Science and Technology Research Partnership for Sustainable Development (SATREPS)

Testing on vulnerable RC frame made by low strength concrete @UTokyo

Testing on RC column@BUET

Project for Technical Development to Upgrade Structural Integrity of Buildings in Densely Populated Urban Areas and its Strategic Implementation towards Resilient Cities

Joint Research Group



Crack on bottom of 2F beam







