17th World Conference on Earthquake Engineering

17WCEE
Sendai, Japan
2020 -21

Date:
September 27 to October 2, 2021

Venue:
Sendai, Japan

Hybrid Conference

JAEE
JAPAN ASSOCIATION FOR EARTHQUAKE ENGINEERING

International Association for Earthquake Engineering

PROGRAM

10:45-11:00 ID:3b-0040

MULTIPLE GRADE LEVELS IN EVALUATION METHOD FOR ANTI-TSUNAMI PERFORMANCE OF EXISTING BUILDINGS

*Nanami Tsuruoka[1], Noriyuki Takahashi[1]

1.Tohoku University

[O02A04] The 2019 Large-Scale Test Program of Wood Dwellings Including Soil-Foundation Systems Towards Improving Earthquake Resiliency

Concurrent Session

Oct. 2nd (Sat) / 09:00-11:00

Meeting Room 1, Exhibition Building

Organizer : Takuya Nagae[1]

1. Nagoya University

ID:2i-0131

Stiffness, ultimate strength capacity and cyclic loading deterioration characteristics of two different wood-structure dwellings following the current Japanese practice

*Takehiro Takahashi[1], Takuya Nagae[2], Cem Yenidogan[2], Shohei Yamada[3], Hisatoshi Kashiwa[4], Kazuhiro Hayashi[5], Takahito Inoue[1]

1.NIED, 2.Nagoya University, 3.Nikken Sekkei, 4.NILIM, 5.Toyohashi University of Technology

ID:2i-0172

FULL-SCALE TESTING OF A TWO-STORY P&B SHEARWALL ASSEMBLY UNDER DYNAMIC LOADING TEST PROTOCOL

*Cem Yenidogan[1, 3], R. Nishi[1], S. Uwadan[1], T. Nagae[1], T. Takahashi[2], T. Inoue [2], K. Kajiwara[2]

1.Nagoya University, 2.NIED, 3.Bahçeşehir University

ID:2i-0151

Preliminary dynamic response characterization Tests-III: South NCREE Multi-directional shake table test for the seismic performance evaluation of the freestanding structures

*Yu-Lin Chung[1], Chao-Yu Ku[1], James Chen[2], Takuya Nagae[3]

1.National Cheng Kung University, 2.JUSTIN C. H. SHIH STRUCTURAL ENGINEER & ASSOCIATES, 3.Nagoya University

ID:2i-0212

SEISMIC PERFORMANCE EVALUATION OF A BASE ISOLATED P&B STRUCTURE THROUGH FULL-SCALE SHAKE TABLE TESTS

*Cem Yenidogan[1, 3], T. Takahashi[2], T. Nagae[1], T. Inoue[2]

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ID:2i-0117

Damage mechanism of PVC drainage pipe connected to house with high sesmic performance

*Yohsuke Kawamata[1], Takehiro Takahashi[1], Takuya Nagae[2]

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ID:2i-0160

Cost-effective Smart Sensing Technologies to Monitor the Residential Building Systems

*Kazuhiro Hayashi[1], Ariyoshi Yamada[2], Yoshiyuki Komiya[2], Takuya Nagae[3]

1.Toyohashi University of Technology, 2.Hakusan Corporation, 3.Nagoya University

ID:2i-0165

RAPID DAMAGE ASSESSMENT PROCEDURE TO COLLECT, PROCESS, AND ANALYZE DATA FOR MONITORING OF FULL-SCALE TESTS

*Maria Koliou[1], Mohammad Aghababaei[1], Takuya Nagae[2], Chris Pantelides[3], Keri L. Ryan[4], Andre R. Barbosa[5], Shiling Pei[6], John W. van de Lindt[7], Shideh Dashti[8]

1.Texas A&M University, 2.Nagoya University, 3.University of Utah, 4. University of Nevada Reno, 5.Oregon State University, 6.Colorado School of Mines, 7.Colorado State University, 8.University of Colorado Boulder

[O02B01] Various Methods of Seismic Retrofit 2

Oral Presentation

Oct. 2nd (Sat) / 14:00-16:00

Main Hall, Conference Building 2F

Chair : Seitaro Tajiri[1]

1. The University of Tokyo

14:00-14:15 ID:3b-0004

Seismic rehabilitation of substandard interior RC beam-column joints by ECC-infilled steel cylinder shell

*Feng Lin[1], Junchao Guo[1], Xiuming Yang[1]

1.Tongji University


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