

[001B05] Achievements of SIP Social Resiliency Against Natural Disasters

Special Organized Session

Oct. 1st (Fri) / 14:00-16:00

Meeting Room 2, Exhibition Building

Organizer : Muneo Hori¹

1. JAMSTEC

Speakers :

*Muneo Hori¹, Takahiro Sugano², Yuichiro Usuda³, Ikuo Takahashi³, Toshihiro Osaragi⁴, Katsuya Yamori⁵, Manabu Ichikawa⁶, Kenichi Tsukahara⁷

1. Japan Agency for Marine-Earth Science and Technology, 2. Kanto Gakuin University, 3. National Research Institute for Earth Science and Disaster Resilience, 4. Tokyo Institute of Technology, 5. Kyoto University, 6. Shibaaura Institute of Technology, 7. Kyushu University

[001C01] Seismic Isolator 2

Oral Presentation

Oct. 1st (Fri) / 16:30-18:30

Main Hall, Conference Building 2F

Chair : Gabriele Guerrini¹

1. University of Pavia

16:30-16:45 ID:2g-0137

MECHANICAL CHARACTERISTICS OF HIGH DAMPING RUBBER BEARINGS UNDER LOW TEMPERATURE ENVIRONMENT

*Takehiko Saito¹, Yasuyuki Nakamura², Kosuke Takenouchi², Nobuhiro Yamazaki³, Yasunori Miyamori¹, Tomoyuki Yamazaki¹

1. Kitami Institute of Technology, 2. Sumitomo Riko Co., Ltd., 3. NIPPON CHUZO K.K.

16:45-17:00 ID:2g-0200

QUICK INSPECTION METHOD OF U-SHAPED STEEL DAMPERS BASED ON RESIDUAL DEFORMATION

*HAOWEN ZHENG¹, Shoichi KISHIKI¹, Nobuhiko TATSUMI¹, Takanori ISHIDA¹, Yoshinao KONISHI²

1. Tokyo Institute of Technology, 2. NIPPON STEEL ENGINEERING CO., LTD

17:00-17:15 ID:2g-0243

EXPERIMENTAL COMPARISON AND MODELING OF DOUBLE AND TRIPLE CONCAVE SEISMIC ISOLATORS

*Giuseppe Lomiento¹, Arsen Adzhemyan¹, Gianmario Benzoni², Andrew F. Koscal¹, Anthony Penafior¹, Soheil Pouryaghooibi-Anzabi¹

1. Cal Poly Pomona, 2. University of California San Diego

17:15-17:30 ID:2g-0041

AN ANALYTICAL MODEL FOR TIN RUBBER BEARINGS UNDER LARGE SHEAR DEFORMATIONS

*Masayuki Yanagi¹, Miyuki Shimizu¹, Yuto Kobashi², Akira Yasunaga³, Masaru Kikuchi⁴

1. SWCC SHOWA CABLE SYSTEMS CO., LTD., 2. Aseismic Devices CO., LTD., 3. Sumitomo Metal Mining Siporex Co., Ltd., 4. Hokkaido University

17:30-17:45 ID:2g-0065

EXPERIMENTAL AND NUMERICAL STUDY OF SPHERICAL SLIDING BEARING (SSB) PART 3: SEISMIC RESPONSE

*JIAXI LI¹, Satoshi Yamada¹, Shoichi Kishiki¹, Shinsuke Yamazaki², Atsuhiko Watanabe², Masao Terashima²

1. Tokyo Institute of Technology, 2. Nippon Steel & Sumikin Engineering Co., Ltd.

17:45-18:00 ID:2g-0125

EXPERIMENTAL STUDIES ON A NEW ISOLATOR FOR BUILDINGS NEAR METRO TRANSPORTATION AND IN SEISMIC AREAS

*Tao Sheng¹, Gan-bin Liu¹, Wei-xing Shi², Ye Zhou¹

1. Ningbo University, 2. Tongji University

[001C02] Various Methods of Seismic Retrofit 1

Oral Presentation

Oct. 1st (Fri) / 16:30-18:15

Tachibana Conference Hall, Conference Building 2F

Chair : Alper Ilki¹, Hitoshi Shiohara², Toshimi Kabeyasawa²

1. Istanbul Technical University, 2. The University of Tokyo

16:30-16:45 ID:3b-0084

DAMAGE ASSESSMENT OF CROSS LAMINATED TIMBER MODULES BY APPLYING VIBRATION-BASED MODEL UPDATING TECHNIQUES

*Alexander Opazo-Vega¹, Franco Benedetti-Leonelli¹, Alan Jara-Cisterna¹, Claudio Oyarzo-Vera²

1. Universidad del Bio Bio, 2. Universidad Catolica de la Santisima Concepcion

16:45-17:00 ID:3b-0101

Residual Performance of Structural Steel Beams after Plastic Deformation and Strain Aging

*Kayo Taniguchi¹, Shaoqi Yang¹, Taichiro Okazaki¹, Asari Tetsuhiro¹

1. Hokkaido University