

## [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 Hori<sup>1</sup>

1. JAMSTEC

Speakers :

\*Muneo Hori<sup>1</sup>, Takahiro Sugano<sup>2</sup>, Yuichiro Usuda<sup>3</sup>, Ikuo Takahashi<sup>3</sup>, Toshihiro Osaragi<sup>4</sup>, Katsuya Yamori<sup>5</sup>, Manabu Ichikawa<sup>6</sup>, Kenichi Tsukahara<sup>7</sup>

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 Guerrini<sup>1</sup>

1. University of Pavia

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

### MECHANICAL CHARACTERISTICS OF HIGH DAMPING RUBBER BEARINGS UNDER LOW TEMPERATURE ENVIRONMENT

\*Takehiko Saito<sup>1</sup>, Yasuyuki Nakamura<sup>2</sup>, Kosuke Takenouchi<sup>2</sup>, Nobuhiro Yamazaki<sup>3</sup>, Yasunori Miyamori<sup>1</sup>, Tomoyuki Yamazaki<sup>1</sup>

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 ZHENG<sup>1</sup>, Shoichi KISHIKI<sup>1</sup>, Nobuhiko TATSUMI<sup>1</sup>, Takanori ISHIDA<sup>1</sup>, Yoshinao KONISHI<sup>2</sup>

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 Lomiento<sup>1</sup>, Arsen Adzhemyan<sup>1</sup>, Gianmario Benzon<sup>2</sup>, Andrew F. Koscal<sup>1</sup>, Anthony Penafior<sup>1</sup>, Soheil Pouryaghooibi-Anzabi<sup>1</sup>

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 Yanagi<sup>1</sup>, Miyuki Shimizu<sup>1</sup>, Yuto Kobashi<sup>2</sup>, Akira Yasunaga<sup>3</sup>, Masaru Kikuchi<sup>4</sup>

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 LI<sup>1</sup>, Satoshi Yamada<sup>1</sup>, Shoichi Kishiki<sup>1</sup>, Shinsuke Yamazaki<sup>2</sup>, Atsuhiko Watanabe<sup>2</sup>, Masao Terashima<sup>2</sup>

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 Sheng<sup>1</sup>, Gan-bin Liu<sup>1</sup>, Wei-xing Shi<sup>2</sup>, Ye Zhou<sup>1</sup>

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 Ilki<sup>1</sup>, Hitoshi Shiohara<sup>2</sup>, Toshimi Kabeyasawa<sup>2</sup>

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-Vega<sup>1</sup>, Franco Benedetti-Leonelli<sup>1</sup>, Alan Jara-Cisterna<sup>1</sup>, Claudio Oyarzo-Vera<sup>2</sup>

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 Taniguchi<sup>1</sup>, Shaoqi Yang<sup>1</sup>, Taichiro Okazaki<sup>1</sup>, Asari Tetsuhiro<sup>1</sup>

1. Hokkaido University