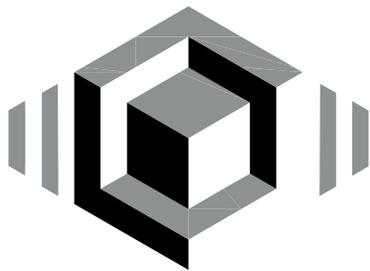


Version dated: February 19, 2026
The program is provisional and subject to change.



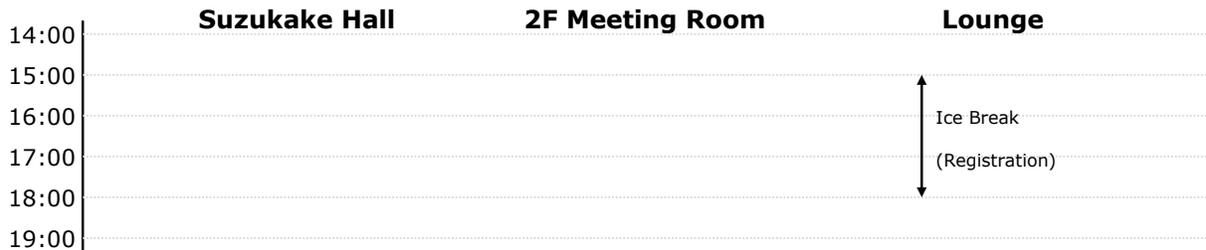
SPONSE

SIXTH INTERNATIONAL WORKSHOP
ON SEISMIC PERFORMANCE OF
NON-STRUCTURAL ELEMENTS

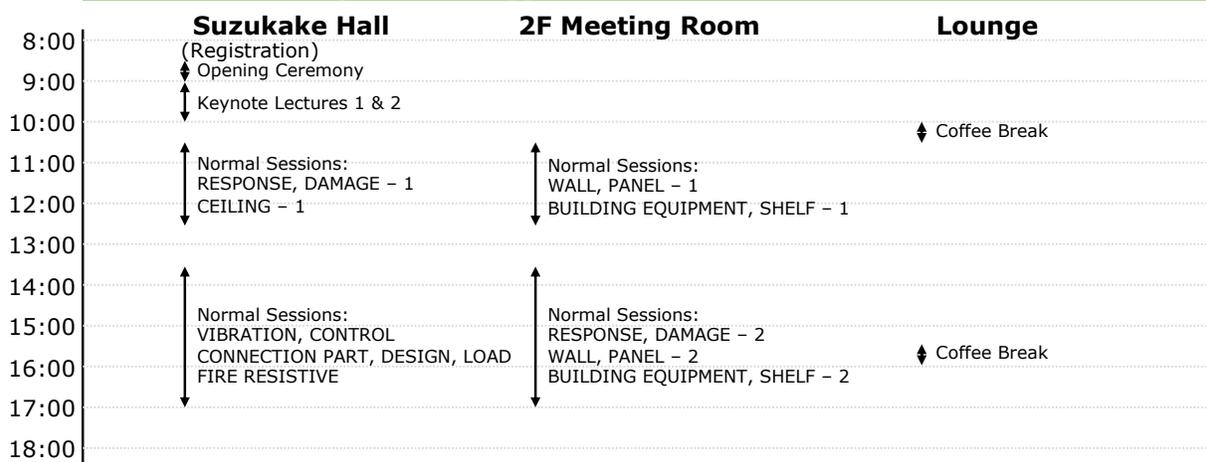
March 10-13, 2026
Yokohama, Kanagawa, JAPAN

Overview of SPONSE 2026

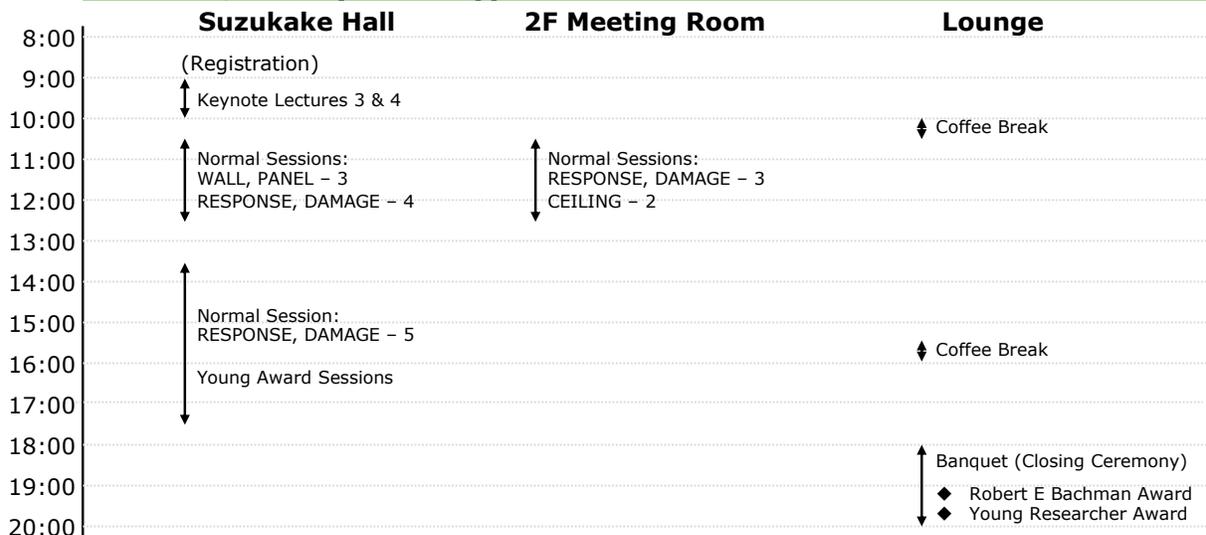
March 10, 2026 (Tuesday)



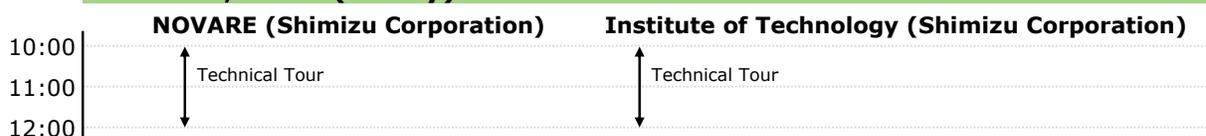
March 11, 2026 (Wednesday)



March 12, 2026 (Thursday)



March 13, 2026 (Friday)



Guidelines for Presentation

- Presentations shall be delivered in English.
- Each presentation will be given total of 15 minutes for:
 - Presentation = 10 min (1st bell = 8-min mark, 2nd bell = end of presentation)
 - Discussion = 5 min (3rd bell = end of discussion)
- Presenters must conduct *equipment check* before the start of the session.
- Types of ports available for projectors are (a) standard HDMI and (b) VGA.
- Laser pointers are available for use.

DETAILED PROGRAM

Tuesday, March 10, 2026

15:00-17:00 **REGISTRATION (Lounge)**

15:00-18:00 **ICE BREAK (Lounge)**

Wednesday, March 11, 2026

8:00-8:30 **REGISTRATION (Suzukake Hall)**

8:30-9:00 **OPENING CEREMONY (Suzukake Hall)**

Institute of Science Tokyo - *S. Kishiki*

SPONSE Committee - *R. Dhakal*

9:00-9:30 **KEYNOTE 1 (Suzukake Hall)**

A nonstructural element simulator based on substructural shake table testing
Zhe QU (Institute of Engineering Mechanics, China)

9:30-10:00 **KEYNOTE 2 (Suzukake Hall)**

Seismic damage to building equipment
Kunio MIZUTANI (Tokyo Polytechnic University, Japan)

10:00-10:30 **COFFEE BREAK (Lounge)**

10:30-11:30 **PARALLEL SESSIONS:**

SESSION 1A - RESPONSE, DAMAGE - 1 (Suzukake Hall)

CO-CHAIRS: I. Lanese - E. Baek

1. "Dynamic design of suspended services" - Paper ID: 26007
Presenting Author: Martin Kusz
2. "An open-source nonstructural element database to streamline tech transfer between nonstructural research and building design" - Paper ID: 26010
Presenting Author: Dustin Cook
3. "Generation of seismic motion for seismic qualification of active component" - Paper ID: 26012
Presenting Author: Didier COMBESCURE
4. "Preliminary investigation of isolation bearings with discontinuous inerters for seismic protection of essential equipment and components" - Paper ID: 26020
Presenting Author: Chia-Ming Chang

SESSION 1B - WALL, PANEL - 1 (2F Meeting Room)**CO-CHAIRS: M. Ko - T. Hutchinson**

1. "The benefits and advantages of using RC frames with isolated or decoupled infills in practice: INODIS connection" - Paper ID: 26008
Presenting Author: Marko M. Marinkovi
2. "System identification of natural frequency and damping ratio of partition wall from earthquake observation records" - Paper ID: 26030
Presenting Author: Sora Hagiwara
3. "Screw connections between gypsum panels and cfs profiles: experimental evaluation of shear response" - Paper ID: 26051
Presenting Author: Luigi Fiorino
4. "Seismic assessment of thin masonry-infilled RC frames via a coupled in-plane/out-of-plane macro-model" - Paper ID: 26094
Presenting Author: Marco Donà

11:30-12:30 PARALLEL SESSIONS:**SESSION 2A - CEILING - 1 (Suzukake Hall)****CO-CHAIRS: D. Cook - D. Combesure**

1. "Shake table testing of suspended ceilings" - Paper ID: 26026
Presenting Author: Cameron Flude
2. "Shake table test on suspended nonstructural components in a large-scale ceiling system" - Paper ID: 26031
Presenting Author: Eun-Rim Baek
3. "Code-based methodologies for the seismic qualification of non-structural elements: integrating experimental testing and numerical modelling" - Paper ID: 26038
Presenting Author: Igor Lanese

SESSION 2B - BUILDING EQUIPMENT, SHELF - 1 (2F Meeting Room)**CO-CHAIRS: M. Marinković - L. Fiorino**

1. "Shake table testing of rooftop mechanical equipment with different attachment strategies on a full-scale ten-story building" - Paper ID: 26002
Presenting Author: Tara C. Hutchinson
2. "A study on library bookshelf safety and book falling in earthquakes" - Paper ID: 26011
Presenting Author: George C. Yao
3. "A study on bookshelves overturning evaluation based on reconnaissance in the 2024 HuaLien earthquake" - Paper ID: 26021
Presenting Author: Min-Chi KO
4. "Seismic protection systems for safety-related equipment cabinets" - Paper ID: 26033
Presenting Author: Gilberto Mosqueda

12:30-13:30 LUNCH BREAK (Lounge)

13:30-14:30 PARALLEL SESSIONS:**SESSION 3A - VIBRATION, CONTROL (Suzukake Hall)****CO-CHAIRS: V. Vukobratović - D. Bellotti**

1. "Influence of stair system flexibility on building vibration period: insights from full-scale building shake table tests at low-amplitude excitation" - Paper ID: 26005
Presenting Author: Tara Hutchinson
2. "Enhanced seismic stability for the freestanding contents in base-isolated buildings" - Paper ID: 26013
Presenting Author: Min Ho Chey
3. "Seismic performance enhancement of suspended cable tray systems using steel wires" - Paper ID: 26058
Presenting Author: Kazuhiro Matsuda

SESSION 3B - RESPONSE, DAMAGE - 2 (2F Meeting Room)**CO-CHAIRS: M. Don'a - A. Zona**

1. "Validation of analytical method for axial force- bending interaction of gypsum boards" - Paper ID: 26074
Presenting Author: Yasuaki Sato
2. "Derivation of floor response spectra in masonry infilled precast concrete buildings" - Paper ID: 26076
Presenting Author: Roberto Nascimbene
3. "Myanmar earthquake reconnaissance: damage to non-structural elements in high-rise buildings in Bangkok" - Paper ID: 26081
Presenting Author: Jitendra Bhatta

14:30-15:30 PARALLEL SESSIONS:**SESSION 4A - CONNECTION PART, DESIGN, LOAD (Suzukake Hall)****CO-CHAIRS: G. Blasi - F. Micelli**

1. "Failure mechanisms and pull-out strength of the screw-type fastening post-installed anchors" - Paper ID: 26047
Presenting Author: Kosuke FUJITA
2. "Floor response spectra in the new generation of Eurocode 8: an overview and example of application" - Paper ID: 26001
Presenting Author: Vladimir Vukobratovi
3. "Seismic demand evaluation for the design of non-structural elements in precast concrete buildings" - Paper ID: 26034
Presenting Author: Davide Bellotti

SESSION 4B - WALL, PANEL - 2 (2F Meeting Room)**CO-CHAIRS: Y. Sato - J. Bhatta**

1. "Seismic design of reinforced concrete frames with sliding joint ductile infills" - Paper ID: 26091
Presenting Author: Marco Preti
2. "Out-of-plane seismic assessment of URM infill walls through parametric analysis" - Paper ID: 26093
Presenting Author: Marco Gaspari
3. "Influence of screw connection on out-of-plane behavior of LGS walls" - Paper ID: 26096
Presenting Author: Fumihiko SAKURABA
4. "Experimental investigation on the seismic performance of self-centering concrete wall structures with low damage infill walls" - Paper ID: 26102
Presenting Author: Hao Wu

15:30-16:00 COFFEE BREAK (Lounge)

16:00-17:00 PARALLEL SESSIONS:

SESSION 5A - FIRE RESISTIVE (Suzukake Hall)

CO-CHAIRS: T. Hutchinson - K. Matsuda

1. "Drift-based functional fragility framework for fire-rated doors in post-earthquake fires" - Paper ID: 26062
Presenting Author: Serdar Selamet
2. "Influence of tee joint capacity on the seismic behaviour of a fire suppression system" - Paper ID: 26075
Presenting Author: Francesco Monte
3. "Probabilistic seismic demand assessment of rising pipe lines in fire-protection systems" - Paper ID: 26089
Presenting Author: Gianni Blasi
4. "Experimental seismic response assessment of piping networks in industrial facilities: the mitplant project" - Paper ID: 26202
Presenting Author: Francesco Micelli

SESSION 5B - BUILDING EQUIPMENT, SHELF - 2 (2F Meeting Room)

CO-CHAIRS: H. Wu - M. Gaspari

1. "Seismic performance of a full-scale code-compliant fire sprinkler piping system in a six-storey building" - Paper ID: 26003
Presenting Author: Jitendra Bhatta
 2. "Strength evaluation of inserts hardware for building equipment under deck composite slab" - Paper ID: 26046
Presenting Author: Ichiro Hirano
 3. "Seismic fragility assessment of industrial pallet racks in Italy" - Paper ID: 26086
Presenting Author: Marco Donà
 4. "Design and testing of school furniture as life-saving non-structural building components: a case study" - Paper ID: 26203
Presenting Author: Alessandro Zona
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Thursday, March 12, 2026

8:30-9:00 **REGISTRATION (Suzukake Hall)**

9:00-9:30 **KEYNOTE 3 (Suzukake Hall)**
Development of a NSE code of practice
Andrew BAIRD (Beca)

9:30-10:00 **KEYNOTE 4 (Suzukake Hall)**
JSCA's proposal to ensure the safety of non-structural components
Hirokuni TSUCHIYA (Nihon Sekkei Co., Ltd, Japan)

10:00-10:30 **COFFEE BREAK (Lounge)**

10:30-11:30 **PARALLEL SESSIONS:**

SESSION 6A - WALL, PANEL - 3 (Suzukake Hall)

CO-CHAIRS: G. Oreilly - R. Assi

1. "Damage behavior of light gauge steel partition wall under in-plane and out-of-plane external forces" - Paper ID: 26057
Presenting Author: Yusuke Oki
2. "Influence of in-plane damage on the out-of-plane seismic response of weak clay masonry infills through shaking table dynamic tests" - Paper ID: 26082
Presenting Author: Igor Lanese
3. "NHERI TallWood project part 1: overview and nonstructural subassembly details" - Paper ID: 26084
Presenting Author: Keri L. Ryan
4. "NHERI TallWood project part 2: performance of building and nonstructural subassemblies" - Paper ID: 26085
Presenting Author: Keri L. Ryan

SESSION 6B - RESPONSE, DAMAGE - 3 (2F Meeting Room)

CO-CHAIRS: P. Zhao - H. Jiang

1. "Experimental shake table evaluation of non-structural elements in accordance with AC-156" - Paper ID: 26025
Presenting Author: Angela Poposka
2. "A study on non-structural seismic damage of critical facilities in 0403 HuaLien earthquake in Taiwan" - Paper ID: 26027
Presenting Author: Fan-Ru Lin
3. "Seismic resilience assessment of hospitals using dynamic bayesian network" - Paper ID: 26032
Presenting Author: Shuoguo Qiu
4. "Performance of non-structural components in a 5-storey shake-table test" - Paper ID: 26036
Presenting Author: Scott Menegon

11:30-12:30 PARALLEL SESSIONS:**SESSION 7A - RESPONSE, DAMAGE - 4 (Suzukake Hall)****CO-CHAIRS: K. Ryan - I. Lanese**

1. "Issues in the fragility analysis of non-structural elements and the role of structural health monitoring" - Paper ID: 26049
Presenting Author: Gerard J. O'Reilly
2. "Proposed ductility-based force factors for acceleration-sensitive light non-structural components" - Paper ID: 26050
Presenting Author: Rola Assi
3. "Shake-table tests on full-scale non-structural elements in a low-damage 3-story steel building: key results from the ROBUST project" - Paper ID: 26065
Presenting Author: Rajesh Dhakal

SESSION 7B - CEILING - 2 (2F Meeting Room)**CO-CHAIRS: S. Qiu - F. Lin**

1. "Seismic assessment of concealed grid suspended ceilings: design of a large-scale experimental setup for shaking-table testing" - Paper ID: 26052
Presenting Author: Alessandro Prota
2. "Experimental study on pounding response of suspended ceiling system with mineral wool board" - Paper ID: 26054
Presenting Author: Huanjun Jiang
3. "Numerical simulation of the structural test on a 2.5- story model frame representing lower stories of existing high-rise RC buildings with non- structural flat walls" - Paper ID: 26060
Presenting Author: Peizhi Zhao
4. "Shaking table test of seismic-resistant ceiling systems with asymmetric mass or stiffness distribution" - Paper ID: 26063
Presenting Author: Haruki Yamaguchi

12:30-13:30 LUNCH BREAK (Lounge)**13:30-14:00 NORMAL SESSION:****SESSION 8 - RESPONSE, DAMAGE - 5 (Suzukake Hall)****CO-CHAIRS: G. Mosqueda - G. Rivron**

1. "Preliminary observations on the effects of 2024-2025 bradyseism earthquakes on nonstructural elements in Campi Flegrei" - Paper ID: 26072
Presenting Author: Gennaro Magliulo
2. "Optimising seismic retrofit design to reduce non- structural element losses using multiple objectives" - Paper ID: 26071
Presenting Author: Ricardo Monteiro

14:00-15:15 YOUNG AWARD SESSION:**SESSION 9 - YOUNG AWARD SESSION - 1 (Suzukake Hall)****CHAIR: Y. Sato**

1. "Interaction of suspended ceilings and pressurized piping in a full-scale 10-story cold-formed steel building shake table test program" - Paper ID: 26006
Presenting Author: Amanpreet Singh
2. "Study on the horizontal stiffness of single and double-layer CHN-US style ceiling" - Paper ID: 26009
Presenting Author: Minhui LI
3. "Estimation of floor response spectra for risk-targeted seismic design of non-structural elements" - Paper ID: 26004
Presenting Author: Roberto J. Merino
4. "Evaluation of component amplification factor considering structure-NSC interaction and NSC-clustering" - Paper ID: 26053
Presenting Author: Chang-Jun Bae
5. "Experimental and field investigations of suspended air handling units" - Paper ID: 26019
Presenting Author: Wei-Chung Chen

15:15-16:15 COFFEE BREAK (Lounge)**16:15-17:30 YOUNG AWARD SESSION:****SESSION 10 - YOUNG AWARD SESSION - 2 (Suzukake Hall)****CHAIR: Y. Oki**

1. "Innovative seismic isolation strategies for equipment and non-structural components: experimental investigation and analytical modeling of systems isolated with spring-viscoelastic mounts" - Paper ID: 26101
Presenting Author: Ahmed Awad
2. "Low-carbon resilient curtain walls: experimental study of timber-glass unitized systems" - Paper ID: 26056
Presenting Author: Simona Bianchi
3. "In-plane loading experiments on seismic damage and functional retention performance of LGS partition walls with opening" - Paper ID: 26059
Presenting Author: Zeyu SUN
4. "Hysteretic behavior, stiffness degradation, and energy dissipation in screw connections of cold-formed steel framed plasterboard partitions" - Paper ID: 26067
Presenting Author: Danilo D'Angela
5. "Experimental analysis of the seismic in-plane performance of cold-formed steel gypsum drywall systems: glued vs. screwed connections" - Paper ID: 26078
Presenting Author: Ghislain Rivron



SIXTH INTERNATIONAL WORKSHOP
ON SEISMIC PERFORMANCE OF
NON-STRUCTURAL ELEMENTS

18:00-20:00 **BANQUET / CLOSING CEREMONY (Lounge)**
Speaker: Gennaro Magliulo (SPONSE Committee)

ROBERT E BACHMAN AWARD (Lounge)

YOUNG RESEARCHER AWARD (Lounge)

Friday, March 13, 2026

10:00-12:00 **TECHNICAL TOUR**

Exhibitors

Exhibitor	Exhibition Details
Gypsum Board Association of Japan	General introduction to the gypsum board manufacturers association and other information
Japan Steel Furring Industry Association	Improving the seismic performance of non-structural components and reducing CO ₂ emissions
INTEX INTERNATIONAL	Showcasing Qbit360 / Backdrop Bumen / Sample of product
Hilti Corporation	Hilti plans to introduce their seismic resistance initiatives for fastening and joining products through posters and videos, and also intends to display some actual products.

Collaborators



[SHASE]
The Society of Heating,
Air-Conditioning and
Sanitary Engineers of Japan



一般社団法人 石膏ボード工業会



一般社団法人
日本建築構造技術者協会
Japan Structural Consultants Association

