

JSSI Award ~The 26th Prizes, 2025~**Purpose of the commendation**

The JSSI award system recognizes individuals, corporations, and organizations that have contributed to the technological advancement and the proper spread and development of seismically isolated (SI) or vibration controlled (VC) structures and devices.

Description of the commendation

They are five prizes, such as 'Prize for Distinguished Service', 'Engineering Award', 'Architectural Design Award', 'Practical Achievement Award' and 'Diffusion Award'.

Prize for Distinguished Service will be given to individuals who have achieved remarkable achievements in the proper spread and development related SI or VC over the years.

Engineering Award will be given to individuals, corporations and organizations that have achieved excellent results in SI or VC engineering field.

Architectural Design Award will be given to individuals, corporations and organizations that have made major contributions to the realization of exceptionally excellent buildings that reflect the characteristics of SI or VC. New construction or renovation of the work is not required.

Practical Achievement Award will be given to individuals, corporations and organizations that have made outstanding achievements in renovation, maintenance, restoration, realization of difficult projects, etc., reflecting the characteristics of SI or VC.

Diffusion Award will be given to individuals, corporations and organizations that have contributed to proper spread and awareness-raising activities of SI or VC.

Details of prizes depend on the commendation regulations of JSSI.

Choosing prizes

Committee of commendation of JSSI that consists of eight experts decided them.

Number of applications in 2025

They were five in 'Engineering Award', seventeen in 'Architectural Design Award', two in 'Practical Achievement Award' and one in 'Diffusion Award'.

Results of selection

They were the followings: (prize winner personal names and the honorific titles are omitted)

'ENGINEERING AWARD'

Development and Implementation of the Multi-Stage Sliding Bearing 『TSB』 for Long-Period and Large-Amplitude Seismic Motions

Naito Architect Co., Ltd.

ORIMOTO STRUCTURAL ENGINEERS

Nippon Steel Engineering Co., LTD.

PILLAR Corporation

Handa City Hospital

Development and Application of a Passive Variable Orifice Damper (VOD®) to Mitigate Excessive Isolator Displacement of an Existing Base-isolated Building

Okumura Corporation

Shizumetec Limited

Tohoku University

'ARCHITECTURAL DESIGN AWARD'

ES CON FIELD HOKKAIDO

Obayashi Corporation



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ES CON FIELD HOKKAIDO is a baseball stadium, the home field of the Hokkaido Nippon Ham Fighters, a Nippon Professional Baseball team, which was opened in Kitahiroshima City in Hokkaido in the spring of 2023. It is Japan's first natural turf field with a retractable roof system. Its distinctive aim lies in the concept that "players first" be compatible with "fans first."

The stadium is located in a snowfall and cold district-a critical issue for natural turf. In order to cope with such a strict environment, two structural systems have been incorporated into the stadium: a retractable roof that can open and close the roof every day throughout the baseball season and a glass wall installed fully on the south-east side of the stadium that can capture the low-altitude morning sunlight even when the roof is closed. Seismic isolation and vibration control technology have been adopted as core technologies to facilitate rational structural planning.

NAGOYA SHIMIZU-FUKOKU BUILDING

Shimizu Corporation



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Recently, sustainability has been an extremely important social issue. Therefore, this building was planned with the considerations of the following three perspectives: (1) business continuity, (2) diversity, and (3) environmental considerations.

To achieve the above concepts, Seismic base isolation system was adopted, and Core Wall was installed in the center of the building. Then, the perimeter Grid Frame and the Core Wall were connected by simply supported steel beams. By adopting this structural system, various working spaces including large atriums, which will be the base of diversity of workers and work styles, were provided.

In addition to architectural, structural, and environmental performance, constructability was also considered in the Grid Frame construction as a new style of manufacturing. It is believed that this building will contribute to the development of the surrounding areas and the sustainability of the construction industry and society.

FUJISOFT Shiodome Building

Takenaka Corporation



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This building is a nine-story office building located in the Italian Town in Shiodome, Tokyo, Japan. In this area, the townscape is designed based on an Italian theme, and the building façade was required to be an expression of masonry construction. In addition, the client demanded data center floors, office space flexibility and seismic safety. To solve these problems, a seismically isolated building with a staggered precast concrete wall system was proposed. The system can provide the flexibility of interior spaces, simplification of construction, and great horizontal stiffness, such that seismic action to the structure above the seismic isolators could be minimized. To investigate the structural properties of the wall system, experiments using scaled test specimens were carried out. The experimental results showed that the horizontal bearing capacity of the system could be evaluated from the sum of friction force on the connection area and dowel capacity of reinforcement bars.

' Diffusion Award '

Seismic Isolation Structure Enabled Functional Continuity and Continuous Medical-Cares During the 2024 Noto Earthquake Disaster

～Keiju Medical Center～

Social Medical Corporation Foundation Tousenkai/Keiju Medical Center

Takenaka Corporation

Commendation

The commendation ceremony will be held after the general meeting of JSSI on June 10, 2025.