



## BUCHAREST SEMINAR ON SEISMIC ISOLATION

Romania and Japan are prone to significant seismic activity and, over the centuries, both of countries suffered many disastrous earthquakes that caused widespread destruction and loss of countless lives.

It is important to mitigate damage caused by earthquakes by using innovative earthquake resistant design methods such as seismic isolation or vibration control technologies both for existing and new buildings.

During this seminar, a Japanese team coordinated by the Japan Seismic Isolation Society will present such technologies developed in Japan in the past three decades. The principle of seismic isolation and vibration control will be explained in detail. Moreover, actual applications, roles of devices, construction and maintenance methods will be presented.

The seminar is open for engineering professionals, architects, academic staff, representatives of the local and central government.

The Knowledge Co-Creation Program is planned by the Ministry of Land, Infrastructure, Transport and Tourism in Japan in collaboration with the Japan Society of Seismic Isolation.

- Date and time:** October 10 to 13, 2016 - 9:00 to 17:00
- Venue of Lecture:** Room I2 in FCCIA building at UTCB, 124 Lacul Tei, Sector 2
- Reception:** Room 115 at UTCB, 124 Lacul Tei, Sector 2
- Round Table:** InterContinental Bucharest – Fortune West  
(4 Bulevardul Nicolae Bălcescu, Bucharest , 010051)
- Contact:** Constantin Budan: constantin.budan@utcb.ro  
Viorel Popa: vpopa@utcb.ro

**SEMINAR PROGRAM:**

**<10th, Monday>**

9:30—

Opening address

Delegate-R1: **Radu Vacareanu**

Rector,  
Technical University of Civil Engineering, Bucharest

Delegate-J1: **Masaru Ishida**

Deputy Director - General Housing Bureau,  
Ministry of Land, Infrastructure and Transportation of Japan

Delegate-R2: **Vasile Dîncu**

Minister,  
Ministry of Regional Development and Public Administration of Romania

Delegate-R3: **Gabriela Firea**

Mayor,  
Bucharest City Hall

Delegate-R4: **Raed Arafat**

Secretary of State  
Ministry of Internal Affairs

Delegate-J2: **Akira Wada**

President,  
Japan Society of Seismic Isolation,  
Professor emeritus of Tokyo Institute of Technology

11:00—

Coffee Break

11:20—

Lecture-1 "The Concept of the Building Standard Law of Japan"  
About earthquake resistant building code and disaster prevention code.

**Akio Mizutani**

Director for International Building Analysis Housing Bureau,  
Ministry of Land, Infrastructure and Transportation

12:00—

Lunch

13:00—

Lecture-2 "Summary of Seismic Isolation in Japan"  
History, principle, trend and recent subjects in Japanese SI field.

**Akira Wada**

President of The Japan Society of Seismic Isolation

Professor emeritus of Tokyo Institute of Technology

14:40—

Coffee Break

15:00—

Lecture-3 "Technology for Seismic Isolation Structure"  
Introduction for recent technology for SI systems and structures.

**Mineo Takayama**

Professor Fukuoka Univ.

Chair of the committee for SI devices, JSSI

16:30—

Discussion

**Kenji Sawada**

Executive Director of JSSI

17:00—

Time to move the reception venue (in UCTB)

17:30—

Reception : UTCB

### <11th, Tuesday>

9:30—

Lecture-4 "Earthquake resistant Design"  
Characteristics for ERM, SI and VC Methods.

**Taiki Saito**

Professor Toyohashi Technical University

Chair of the committee for foreign affairs, JSSI

10:30—

Coffee Break

10:40—

Lecture-4 Continuation

12:00—

Lunch

13:00—

Lecture-5 "Outline of World affairs for SI and VC Tech."

**Matsutaro Seki**

Building Research Institute

14:40—

Coffee Break

15:00—

Lecture-6 "Design for SI building & examples of SI buildings in Japan"

**Tomoki Asahi**

Structural Engineer, Nikken Sekkei Ltd.  
16:40—  
Coffee Break  
16:50—  
Discussion  
**Kenji Sawada**  
Executive Director of JSSI  
17:20—  
Time to move the venue  
18:00—  
Round Table : InterContinental Bucharest

<12th, Wednesday>

9:00—  
Lecture-7 "SI Devices"  
Principle and application of SI devices, introduction of examples.  
**Nobuyuki Ogino**  
General Manager, Kumagai gumi Co.,Ltd.  
Chair of the committee for dampers, JSSI  
10:30—  
Coffee Break  
10:40—  
Lecture-8 "Construction method & Maintenance of SI layer"  
**Kenji Sawada**  
Executive Director of The Japan Society of Seismic Isolation  
12:10—  
Lunch  
13:10—  
Lecture-9 "Outline of Romanian Standards for Buildings"  
Seismic Design Code and Seismic Evaluation and Retrofitting Code.  
**Viorel Popa**  
Associate professor, UTCB  
14:40—  
Coffee Break  
15:00— 16:50  
Discussion  
**Kenji Sawada**  
Executive Director of The Japan Society of Seismic Isolation  
16:50—

Coffee Break

17:00—

Closing

**Akira Wada**

President of The Japan Society of Seismic Isolation

Professor emeritus of Tokyo Institute of Technology

**<13th, Thursday>**

9:30—

Lecture-1 for students

**Akira Wada**

Professor emeritus of Tokyo Institute of Technology

10:30—

Coffee Break

10:40—

Lecture-2 for students

**Taiki Saito**

Prof. Toyohashi Tech. Univ.

12:00—

Lunch

13:00—

Lecture-3 for students

**Matsutaro Seki**

Visiting Research Fellow of Building Research Institute

14:20—

Coffee Break

14:30—

Discussion

**Kenji Sawada**

Executive Director of The Japan Society of Seismic Isolation