

**The 2nd GLOBAL SEMINAR**

ON SUSTAINABLE & EARTHQUAKE RESILIENT STRUCTURES

6 International researchers from Japan and worldwide present their new research findings.

**OBJECTIVE**  
The seminar provides a platform to share new research findings on sustainable structures, their seismic and earthquake resistance, their resilience and recovery.

**RESEARCH TOPICS**

- Sustainable timber structures
- Earthquake resistant structures
- Resilience and health monitoring
- New directions for sustainable buildings

**DATE**  
Sat, 18th March 2023 (10:00 AM - 1:00 PM)

**VENUE**  
Osaka University  
1-1 Yamadaoka, Suita City, Osaka 565-0871, Japan

**Registration is free and open to all. Registration for jobs, please contact: [seminar@seminar2023.org](mailto:seminar@seminar2023.org)**

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**The 2nd GLOBAL SEMINAR Seminar Program**

**10:00-10:30** Opening session and Welcome message  
Moderated by Naoyuki Kawachi, Dr. Naoyuki Kawachi, Osaka University

**10:30-10:45** Welcome Message: Chair message  
Highly Resilient Timber Structure  
Dr. Chikako Soudki (Osaka University)

**10:45-11:15** Insights and Lessons Learned from the 2023 Turkey-Hazak Earthquake  
Implications for Rebuilding: Hiroko Inoue  
Dr. Hiroko Inoue (Osaka University)

**11:15-11:45** Regional Earthquake Hazard Impact on  
the Economy  
Dr. Naoyuki Kawachi (Osaka University)

**11:45-12:15** Carbon credit identification for  
buildings without sensors on an office  
Dr. Naoyuki Kawachi (Osaka University)

**12:15-12:45** Limited Access to Earthquake Changes in  
Stiffness of Structures  
Dr. Naoyuki Kawachi (Osaka University)

**12:45-1:00** Exploring the Potential of CLT Timber  
Walls for Resisting  
Earthquake-Damaged Reinforced  
Concrete Buildings  
Dr. Naoyuki Kawachi (Osaka University)

**1:00-1:15** Closing remarks

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