

Scientific Programme

International Workshop

**New advances in seismic risk assessment and
disaster mitigation**

May 23 - 24, 2016

Tashkent, Uzbekistan

Day 1, May 23

8:30-9:15 *Registration*

9:15-9:30 *Opening Ceremony*

<u>Morning Session</u>	
Chair: Takahiro Tsuchimoto	
9:30-10:00	Kabul Abdurashidov. <i>Vulnerability and earthquake protection of industrial and residential buildings in Uzbekistan</i>
10:00-10:30	Hiroshi Isoda. <i>Focusing around building damage detections by observation of seismic strong motion</i>
10:30-11:00	Yasushi Niitsu. <i>Displacement measurement of shaking table damage test by image processing</i>
Coffee Break (11:00-11:30)	
11:30-12:00	Sergey Tyagunov. <i>In-situ data collection for structural modelling and assessing seismic vulnerability of existing buildings</i>
12:00-12:30	Kazumasa Watanabe. <i>Resilience of Timber Post-Beam Structure with Flexible Joint</i>
12:30-13:00	Shakhzod Takhirov. <i>Structural Assessment of Heritage Monuments by Means of Laser Scanning and Numerical Modelling in Uzbekistan: Samarkand, Bukhara, Tashkent and Shakhrisyabz</i>
Lunch break (13:00-14:20)	
<u>Afternoon Session</u>	
Chair: Angelo De Santis	
14:20-14:50	Toshikazu Hanazato. <i>Structural Study for Restoration of the Prambanan World Heritage Temple Damaged by Central Java Earthquake of 2006</i>
14:50-15:20	Yuri Petryna. <i>Seismic protection of a school building by use of a tuned mass and stiffness control system</i>
15:20-15:50	Takahiro Tsuchimoto. <i>History of Seismic Disaster and Revision of Regulation for Timber Construction in Japan, and Properties of Recent Seismic Disaster</i>
Coffee Break (15:50-16:10)	
16:10-16:25	Chikahiro Minowa. <i>Experimental manufacturing of a small shaking table in Uzbekistan</i>
16:25-16:55	Tatsuo Narafu. <i>Overview of Projects on Earthquake Disaster Management by JICA and Future Perspective in Central Asia and Neighboring Countries</i>
16:55-17:10	Bakhodir Rahmonov. <i>The engineering analysis of design feature of minaret Islom Hoja</i>
17:10-17:25	Botir Rahmonov. <i>Earthquake protection of architectural heritage buildings in Uzbekistan</i>
17:25-17:40	Shukhrat Kenjaev. <i>Structural peculiarities of Kalon Minaret in Bukhara</i>
17:40-17:55	Anvar Yuvmitov. <i>Influence of non-linear properties of the foundation with the ground seismic vibrations of adjacent buildings.</i>
17:55-18:25	Takahiro Tsuchimoto, Hiroshi Isoda, Toshikazu Hanazato. <i>Special Talk on Recent Earthquake in Kumamoto (2016, On Houses, Kumanoto Castle)</i>

Day 2, May 24

<u>Morning Session</u>	
<u>Chair:</u> Kazumasa Watanabe	
9:00-09:30	Angelo De Santis. <i>Earthquakes from space: examples of lithosphere-ionosphere coupling before large earthquakes detected by the ESA Swarm satellite mission</i>
09:30-10:00	Bakhtiyar Nurtaev. <i>The role of geodynamic conditions in unloading of intraplate stresses (on example of Southern Tienshan)</i>
10:00-10:30	Massimiliano Pittore. <i>Earthquake Early Warning and Rapid Response Systems in Central Asia</i>
Coffee Break (10:30-11:00)	
11:00-11:30	Ilyas Aripov. <i>Overview of seismic activity in Central Asia and neighboring areas</i>
11:30-12:00	Davron Matrasulov. <i>Seismic wave propagation in branched tectonic faults</i>
12:00-12:15	Jasur Yuldashev. <i>Seismic activity in Central Asia</i>
12:15-12:30	Mukhamadzohir Kobulov. <i>Structural analysis and seismic vulnerability assessment for Bibikhanum mosque in Samarkand.</i>
12:30-12:45	Axror Salokhiddinov. <i>Instrumental methods for structural analysis of architectural heritage buildings.</i>
12:45-13:00	Nilufar Khasanova. <i>Structural analysis and health assesment for heritage buildings Barakkhan, Kukaldash and Kaffol Soshi in Tashkent.</i>
Lunch break (13:00-14:30)	
Afternoon Session	
<u>Chair:</u> Toshikazu Hanazato	
14:30-14:45	Fazil Kobulov. <i>Seismic vulnerability assessment and retrofitting actions for Tilla Kori mosque in Samarkand</i>
14:45-15:00	Zulfiya Khodjaeva. <i>On the calculation of thermal strain state of reinforced concrete constructions in seismically active regions</i>
15:00-15:15	Mukaddan Abduvasikova. <i>Structural analysis and seismic vulnerability assessment for Shakhi-Zinda mouseleum in Samarkand.</i>
Coffee Break (15:15-15:45)	
15:45-18:00	Round Table Discussions