



International Workshop by Young Researchers on “Advanced Materials and Technology for Applications to Steel and Composite Steel/Concrete Structures”  
Kyoto, Japan | December 7-8, 2017

## Japan-Greece International Workshop by Young Researchers on “Advanced Materials and Technology for Applications to Steel and Composite Steel/Concrete Structures”

Day 1, Thursday, December 7 <sup>th</sup> (S-519D)	
8:50–9:00	<b>Registration</b>
9:00–9:10	<b>Opening Remarks:</b> Dr. Konstantinos Skalomenos from DPRI @ Kyoto University
<i>Session 1 (9:10-10:30) : Chairman (Napoleana Anna Chaliasou and Tadahisa Takeda)</i>	
9:10–9:30	Prof. Masahiro Kurata, Kyoto University <b>“Introduction of Our Laboratory and Educational System of Kyoto University”</b>
9:30–9:50	Yuga Sasaki and Giuseppe Marzano, Kyoto University <b>“Experimental Investigation on Local Deformation Reduction in Steel Moment Resisting Frame Retrofitted with Minimal-Disturbance Arm Damper”</b>
9:50–10:10	Dionisios Serras, Hellenic Open University <b>“Development of P-Y Model for Concrete-Filled Steel Tube Pile Foundations Subjected to Lateral Loading”</b>
10:10–10:30	Hironari Shimada, Kyoto University <b>“A First Application of Induction Heating Technology to Braces with Intentional Eccentricity”</b>
10:30–11:00	<i>Coffee Break</i>
<i>Session 2 (11:00-12:20) : Chairman (Dr. Efi Tzoura and Hironari Shimada)</i>	
11:00–11:20	Napoleana Anna Chaliasou, University of Bath <b>“Recycling Geopolymers: Implications of Use in Portland Cement Mixes”</b>
11:20–11:40	Takuya Wada, Kyoto University <b>“Earthquake Response Estimation on Group of Buildings for Area Disaster Mitigation Using Base Building Monitoring”</b>
11:40–12:00	Dr. Anastasia Athanasiou, University of Catania <b>“Observations from Full Scale Push and Sudden Release Tests on a RC Building Seismically Isolated at the Base”</b>
12:00–12:20	Yu Otsuki, Kyoto University <b>“Damage Observations of Expansion Joints Based on Shake Table Test”</b>
12:20–13:50	<b>Lunch(Cafeteria)</b>



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<i>Session 3 (13:50-15:40) : Chairman (Dionisios Serras and Mayu Hitomi)</i>	
<b>13:50–14:10</b>	Prof. George Kamaris, Liverpool John Moores University <b>“Collapse Risk of Self-Centering Steel MRFs with Viscous Dampers Subjected to Near-Fault Earthquakes”</b>
<b>14:10–14:30</b>	Dr. Lei Zhang, Kyoto University <b>“Overview on the Development of Minimal Disturbance Arm Damper for Retrofitting Steel Building”</b>
<b>14:30–14:50</b>	Dr. Efi Tzoura, University of Bath <b>“Shear Strengthening of Reinforced Concrete T-beams under Cyclic Loading with TRM or FRP Jackets”</b>
<b>14:50–15:10</b>	Dr. Konstantinos Skalomenos, Kyoto University <b>“Rocking Frame with High-Strength Concrete-Filled Steel Tube Columns and Low-Yield Fuses”</b>
<b>15:10–15:30</b>	Prof. George Hatzigeorgiou, Hellenic Open University <b>“Seismic Response of Low-Rise Steel Frames Equipped with the Seesaw System”</b>
<b>15:30-16:00</b>	<b><i>Structure Laboratory Tour</i></b>
<b>16:00-17:30</b>	<b><i>Discussion and Resolution Making</i></b>
<b>17:30–17:40</b>	<b><i>Closing Remarks:</i></b> Prof. Yoshiki Ikeda from DPRI @ Kyoto University

**Notes:** Each presentation shall include 5 min for question and answer.