



# International Workshop on Seismic Performance of Sub-standard RC Structural Members

April 7, 2023 – Friday

## Program / Time Zone GMT+3

### Session 1

<b>10:00 - 10:20</b>	<b>Welcoming and Opening</b>
<b>10:20 - 10:40</b>	<b>Alper İlki</b> (Istanbul Technical University) <i>"Seismic Performance of Sub-standard Columns Project Overview and Insights from Recent Earthquake Observations"</i>
<b>10:40 - 11:00</b>	<b>Uğur Demir</b> (Izmir Institute of Technology) <i>"Exploring Seismic Performance through Research Projects and Laboratory Work"</i>
<b>11:00 - 11:20</b>	<b>Safiye Gündoğan</b> (Istanbul Technical University, Kırklareli University) <i>"Investigating the Seismic Performance of Sub-standard Columns under High Axial Stresses and Long-Term Loading"</i>
<b>11:20 - 11:40</b>	<b>Ufuk Yazgan</b> (Istanbul Technical University) <i>"Substandard Buildings with Differential Support Settlements: Preliminary Results Related to a Challenging Problem"</i>
<b>11:40 - 12:00</b>	<b>Sadık Can Girgin</b> (Dokuz Eylül University) <i>"Numerical Simulation of Shear-Dominated RC Members with Nonlinear Truss Analogy"</i>
<b>12:00 - 12:20</b>	<b>Lucas Hogan</b> (University of Auckland) <i>"Seismic Assessment of Corroded RC Structures Using a Simplified Mechanics Approach"</i>
<b>12:20 - 12:40</b>	<b>Cağlar Goksu Akkaya</b> (Istanbul Technical University) <i>"From the Lab to the Field: Experimental Studies on the Seismic Performance of Sub-standard RC Structural Members and Related Observations from the 06 February 2023 Kahramanmaraş Earthquakes"</i>
<b>12:40 - 13:50</b>	<b>Break</b>

### Session 2

<b>13:50 - 14:10</b>	<b>Riadh Al-Mahaidi</b> (Swinburne University of Technology) <i>"Collapse Assessment of Seismically Damaged Low Ductility RC Columns Strengthened with CFRP Composites"</i>
<b>14:10 - 14:30</b>	<b>İdris Bedirhanoglu</b> (Dicle University) <i>"New Retrofitting Technique for Substandard Columns to Prevent Shear-Compression Failure"</i>
<b>14:30 - 14:50</b>	<b>Theodoros Rousakis</b> (Democritus University of Thrace) <i>"Retrofit of Deficient Reinforced Concrete Columns Assisted by Testing Towards Advanced Resilience - Critical Open Issues"</i>
<b>14:50 - 15:10</b>	<b>Ciro Del Vecchio</b> (University of Sannio) <i>"Seismic Performance of Existing RC Buildings: Learning from Field Observations and Laboratory Tests"</i>
<b>15:10 - 15:30</b>	<b>Marco Di Ludovico</b> (University of Napoli Federico II) <i>"Recent Advances in the Seismic Strengthening of Existing RC Buildings with Composite Materials"</i>
<b>15:30 - 15:50</b>	<b>Erdem Canbay</b> (Middle East Technical University) <i>"Reason for Sub-standard Reinforced Concrete Structures"</i>
<b>15:50 - 16:10</b>	<b>Halil Sezen</b> (Ohio State University) <i>"Seismic Performance and Collapse of Reinforced Concrete Buildings"</i>
<b>16:10 - 16:30</b>	<b>Closing</b>