

**Session ID:** REC-1

**Title**

2023 KAHRAMANMARAS TURKEY EARTHQUAKE SEQUENCE: FIELD OBSERVATIONS, DISCUSSIONS, RECOMMENDATIONS

**Convenors**

M.A. Erberik <sup>1</sup>, A. Askan <sup>1</sup>, M.K. Kockar <sup>2</sup>

**Description**

Turkey is located in one of the most active seismic regions in the world and a major earthquake occurs approximately every 10 years. However, a significant percentage of the building stock is vulnerable to seismic action. Unfortunately, the earthquake sequence in the Kahramanmaras region that occurred on February 6, 2023 revealed this fact in a very tragic way. After two major earthquakes and many aftershocks, a very wide region was affected, with tens of thousands of people dying under the collapsed buildings and hundreds of thousands of buildings that can no longer be used. The extent of physical and economical losses are beyond perception and the recovery period seems to be lasting over many years. However, this is not the only issue in Turkey regarding earthquakes. There are many other populated areas with similar building stock characteristics in Turkey, which are under the threat of a potential major earthquake. Therefore, in addition to post-earthquake recovery efforts, we also have to take immediate actions for earthquake preparedness and mitigation for our future.

As the Earthquake Engineering Association of Turkey (EEAT), we are therefore organizing a technical session regarding all the aspects of the 2023 Kahramanmaras earthquakes. Many researchers from the EEAT have been in the affected regions and they have conducted valuable site investigations. Hence there are many different aspects of the earthquakes that we can learn from these investigations. We are planning to discuss all the aspects of this earthquake sequence, so we will invite speakers from different disciplines related to earthquake engineering.

**Invited Speakers**

P. Gulkan <sup>3</sup>, H. Sucuoglu <sup>1</sup>, A. Irfanoglu <sup>4</sup>, A. Askan <sup>1</sup>, M.K. Kockar <sup>2</sup>

**Affiliations**

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