

## **Continental Faults and Related Large Earthquakes: Observations, New Approaches and Modeling**

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Active continental deformation in the eastern Mediterranean regions takes place mainly along the North Anatolian Fault Zone, East Anatolian Fault Zone, Dead Sea Fault Zone and the Aegean Extensional province. These active zones are the source of large earthquakes in the region and represent the best locations for implementing geomorphological, palaeoseismic and archaeoseismic research programmes. Recently, new methods (such as InSAR, drilling, LIDAR, GPS etc.) are applied in active fault studies to collect precise data and produce models of crustal deformation. Combination of these investigations along active faults with the analysis and modeling would enlarge our knowledge to understand the behavior of continental faults. The results obtained from the study of large earthquakes provide better constraints of the seismic hazard assessment. The aim of this session is to bring scientists together to share up to date results, development in this topic and provide a basis for useful discussions.