

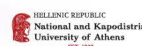
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IONIO ΠΑΝΕΠΙΣΤΗΜΙΟ



Session 25

Research on array seismology and earthquake mechanisms at seismic experimental sites

Conveners:

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The recent deployments of dense seismic and geodetic observation networks in some Seismic Experimental Sites have revealed detailed pattern of crustal stress and strain rate in tectonically active regions all over the world. Modeling and interpretation of physics of the earthquake process across a wide range of spatial and temporal scales provide a better understanding of source processes and interactions, and advance predictive capabilities.

This session will cover theories, methodologies, techniques, and applications related to earthquake mechanisms based on multiple types of data, from seismic to GPS arrays. We welcome studies aimed at characterizing individual earthquake events and crustal deformations to explore active tectonics, seismic hazard, and earthquake behaviors at different scales. We encourage contributions from scientists involved in a broad range of disciplines, including geology, seismology, geodesy, geodynamics, active tectonics, crustal stress, seismic hazard assessment and numerical modeling to enrich our understanding of dynamics and mechanisms of earthquakes at seismic experimental sites.