
[E] Oral | S (Solid Earth Sciences) | S-CG Complex & General

[S-CG39]Science of slow earthquakes: Toward unified understandings of whole earthquake process

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Sat. Jun 5, 2021 3:30 PM - 5:00 PM Ch.21 (Zoom Room 21)

Accumulating observational studies on various types of slow deformation events, such as tectonic tremors, very low frequency events, and slow slip events, portrays some universal characteristics in generally complex behavior, including interaction among events and influence by various outer loading. Some of these phenomena seem to have causal relation with the occurrence of very large earthquakes. A unified understanding of these slow and fast earthquake processes requires an approach integrating geophysics, seismology, geodesy, geology, and non-equilibrium statistical physics. We welcome presentations based on, but not limited to, geophysical observation, data analysis, analytical theory, numerical simulation, field study, and laboratory experiments.

4:45 PM - 5:00 PM

[SCG39-18]Discussion