

Mini-Workshop 17 August 2022 Japan/New Zealand collaboration on Slow Slip Research

Victoria University of Wellington
Cotton Building Room 304



In-person places are limited to about 30 people.

Otherwise zoom link is here: <https://vuw.zoom.us/j/92111268539>

Final Schedule

Note: Talk lengths include time for questions and answers (Q&A): For a 30 minute talk, 10 minutes of Q&A. For a 20 minute talk, 5 minutes Q&A, for 15 minute talk, 3 minutes Q&A for a 5 minute lightning talk, no Q&A

| Time | Item or talk length | Speaker first name | Speaker last name | Talk title |
|-------|---------------------|--------------------|-------------------|---|
| 9:00 | Registration | | | |
| 9:30 | Introduction | | | |
| 9:40 | 20 | Yoshihiro | Ito | Comparing surface topography of subducting plates related to seismic gaps in Mexico. |
| 10:00 | 30 | Kimihiro | Mochizuki | Seismicity of regular and slow events in relation to seamount subduction in the cases of the Japan Trench, Hyuga-nada and Hikurangi |
| 10:30 | Morning Tea | | | |
| 10:50 | 30 | Tomohiro | Inoue | Detection of slow slip events from ocean bottom pressure and land GNSS at Hikurangi subduction zone using geodetic matched filter |
| 11:20 | 20 | Dan | Basset | Crustal structure of the Nankai subduction zone revealed by two decades of onshore-offshore and ocean-bottom seismic data |
| 11:40 | 15 | Ujiie | Kohtaro | Megathrust shear modulated by chemical reactions in subduction mélanges. |
| 11:55 | 15 | Madison Frank | | Quartz vein formation and chemical reactions along deep slow earthquake source in warm slab environment |
| 12:10 | 20 | Carolyn | Boulton | Observational and theoretical evidence for frictional-viscous flow at shallow crustal levels (on Hungaroa Fault) |
| 12:30 | 20 | Susan | Ellis | Transient fluctuations in stress and slip caused by geometric irregularities in shear zones: Numerical modelling of outcrop examples as an analogue for active subduction interface deformation |
| 12:50 | Lunch | | | |
| 1:20 | 20 | Charles | Williams | Slow Slip Events at the Hikurangi Subduction Margin, New Zealand, from 2006 to 2017 |
| 1:40 | 20 | Phil | Barnes | Hikurangi subduction inputs: implications for interface host stratigraphy and accretionary wedge development |
| 2:00 | 20 | Laura | Wallace | IODP cork observatory and PULSE APG data |

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|------|--------------------------|-----------|--------------|---|
| 2:20 | 20 | Katie | Woods | Investigation of Hikurangi subduction zone slow slip events using onshore and offshore geodetic data |
| 2:40 | 20 | Weiwei | Wang | Seismic velocity variations in the northern Hikurangi margin and their relation to slow slip |
| 3:00 | 15 | Stephen | Kwong | The PULSE Network: Building an earthquake catalogue to understand SSE-earthquake interaction on the Hikurangi Subduction Zone |
| 3:15 | 5 | Jon | Carey | Laboratory-based study of dynamically triggered slow-slip in the Hikurangi Subduction Zone |
| 3:20 | 5 | Emily | Warren-Smith | Evidence for Spatially Heterogeneous Megathrust Fluid Valving in the Northern Hikurangi Subduction System |
| 3:25 | 15 | Laura | Hughes | Tsunami Hazards on the Hikurangi Margin |
| 3:40 | afternoon tea | | | |
| | Change zoom link | | | https://vuw.zoom.us/j/93892978670 |
| 4:00 | Public Lecture 50 min | Yoshihiro | Ito | Public Lecture Slow-to-fast earthquakes and mitigating hazards at plate boundaries: Interdisciplinary work in Mexico and Japan |