様式 W-2

2025 年度 共同利用実施報告書（研究実績報告書）
（研究集会）

１．課題番号　　２０２５－W－０２

２．研究集会名（集会名の英訳もご記載ください。）

和文：多様な地震現象とその発生メカニズム・発生場の包括的理解

英文：Comprehensive insights into a wide range of earthquake phenomena and their generation mechanism and source region

３．研究代表者　所属・氏名　海洋研究開発機構・利根川貴志

（地震研究所　担当教員名）　武村俊介

４．開催日：　2025 年 9 月 24 日～9 月 26 日

５．開催場所：　高知県高知市　　高知市文化プラザかるぽーと

６．研究集会参加者の詳細　（研究代表者を含め、当課題に参加した全ての研究者を記載し、必要に応じ行を追加してください。）

参加者の詳細については非公開とします。

７．研究集会の概要（200～400 字）

学術変革領域研究（A）「Slow-to-Fast 地震学」と連携して、スローからファストにいたる全地震現象の包括的理解を目的とした、国内外の研究者による 3 日間の合同研究集会を開催した。今年度は、高知県高知市高知文化プラザ「かるぽーと」にておいて、「Slow-to-Fast 地震学」の 3 大柱の研究テーマをフォーカスとして掲げ、26 件の口頭発表（うち 6 件は基調講演）、171 件のポスター発表があった。本申請の目的である地震発生メカニズム・発生場についても理解を深めることができた。199 名の現地参加者により活発な議論がなされ、31 名のオンライン聴講者があった。
通常の講演の他に、ディスカッションセッションも実施し、海外研究者との連携も含んだ今後の共同研究の方向性についても議論し、本研究集会の開催が研究領域のさらなる拡大・深化に貢献した。また、集会と連続して、前日に四万十帯の巡検と若手研究者向けイベント、集会翌日から三波川帯への巡検も実施した。

8. 受入参加人数、延べ参加人数、研究集会の概要（100 字程度、共同利用・共同研究拠点実施報告書に掲載します。）

延べ参加人数　230 名（うち外国人 51 名）

高知県高知市高知文化プラザ「かるぽーと」で、「Slow-to-Fast 地震学」の 3 大柱の研究テーマをフォーカスとして掲げ、26 件の口頭発表（うち 6 件は基調講演）、171 件のポスター発表があり、現地参加の 199 名により活発な議論が行われた。

9. 外部資金の申請・採択状況（任意、本紙提出後に採択の際にはメールでお知らせください。）

Time Schedule (Overview)

Day 1 (24 Sep.)				
Registration	9:00	~	9:30	Study Room 1, 9F
Opening Session /General Instructions	9:30	~	9:35	Conference Room, 11F
1st session (O01~O03) Theme Cutting-Edge Approaches	9:35	~	10:50	Conference Room, 11F
Poster Core Time (Odd numbers: P1-01, P1-03,...)	10:50		12:20	Poster: Poster Rooms 1&2, 9F Coffee: Satellite / Coffee Room, 9F
Lunch	12:20	~	13:50	
2nd session (O04~O06) Theme Cutting-Edge Approaches	13:50	~	15:05	Conference Room, 11F
Poster Core Time (Even numbers: P1-02, P1-04,...)	15:05	~	16:35	Poster: Poster Rooms 1&2, 9F Coffee: Satellite / Coffee Room, 9F
3rd session (O07~O10) Theme General	16:35	~	17:35	Conference Room, 11F
General Discussion	17:35	~	17:50	Conference Room, 11F
Close	17:50			
Social Party	18:30	~		South Breeze Hotel Kochi Kaigetsu

Day 2 (25 Sep.)				
1st session (O11~O13) Theme Data-constrained numerical modeling	9:00	~	10:15	Conference Room, 11F
Poster Core Time (Odd numbers: P2-01, P2-03,...)	10:15		11:45	Poster: Poster Rooms 1&2, 9F Coffee: Satellite / Coffee Room, 9F
Photo / Lunch	11:45	~	13:45	
2nd session (O14~O16) Theme Data-constrained numerical modeling	13:45	~	15:00	Conference Room, 11F
Poster Core Time (Even numbers: P2-02, P2-04,...)	15:00	~	16:30	Poster: Poster Rooms 1&2, 9F Coffee: Satellite / Coffee Room, 9F
3rd session (O17~O20) Theme General	16:30	~	17:30	Conference Room, 11F
General Discussion	17:30	~	18:00	Conference Room, 11F
Close	18:00			

Day 3 (26 Sep.)				
1st session (O21~O23) Theme Environment and generation processes	9:00	~	10:15	Conference Room, 11F
Break(coffee)	10:15	~	10:30	Satellite / Coffee Room, 9F
2nd session (O24~O26) Theme Environment and generation processes	10:30	~	11:45	Conference Room, 11F
Discussion session	11:45	~	12:45	
Closing	12:45	~	12:55	Conference Room, 11F
Lunch	12:55	~	14:00	
Business Meeting (Project member only. ~60min.)	14:00	~		Conference Room, 11F

Themes in the table are described in short.
Cutting-Edge Approaches: Cutting-Edge Approaches to Measurement and Data Analysis
Data-constrained numerical modeling: Data-constrained numerical modeling and model-informed observations
Environment and generation processes: Environment and generation processes of slow and fast phenomena

Day 1 (24 Sep.)					
Registration	9:00	9:30	0:30		
Opening Session/	9:30	9:35	0:05		
Theme: Cutting-Edge Approaches				Chair: Tanaka / Kato	
O1-01	9:35	10:20	0:45	Yijian ZHOU (California Institute of Technology)	AI-PAL: Self-Supervised AI Phase Picking via Rule-based Algorithm for Generalized Earthquake Detection
O1-02	10:20	10:35	0:15	Harrison BURNETT (Univ. of California, San Diego)	Identifying very low frequency earthquakes in the Japan Subduction Zone from 2006 to 2016 using the Hi-net high-sensitivity accelerometers
O1-03	10:35	10:50	0:15	Seiya YANO (Univ. of Tokyo)	Spatial Interactions Govern Tectonic Tremor Activities in Nankai Trough: A Statistical Framework for Activity Pattern Analysis and Anomaly Detection
Poster Core /Coffee	10:50	12:20	1:30		Odd numbers: P1-01, P1-03,...
Lunch	12:20	13:50	1:30		
Theme: Cutting-Edge Approaches				Chair: Tanaka / Kato	
O1-04	13:50	14:35	0:45	Eiichiro ARAKI (JAMSTEC)	Pioneering Horizons in Multiscale Observations with Fiber-Optic Sensing
O1-05	14:35	14:50	0:15	Tatsuki WASHIMI (NAOJ)	Atmospheric effects on seismic measurements in an underground tunnel
O1-06	14:50	15:05	0:15	Zahra ZALI (GFZ Helmholtz Centre for Geosciences)	Detection of Slow Slip Events in Strainmeter Data Using Deep Learning and Their Link to Deep Slip Transients
Poster Core /Coffee	15:05	16:35	1:30		Even numbers: P1-02, P1-04,...
Theme: General				Chair: Sawa / Yeo	
O1-07	16:35	16:50	0:15	Yuta MITSUI (Shizuoka Univ.)	Characterizing the Onset, Propagation, and Termination of Boso Peninsula SSEs (2011–2024) Using High-Rate GNSS
O1-08	16:50	17:05	0:15	Paola VANNUCCHI (Univ. of Florence)	Experimental Study of Transient Fault Slip in Shallow Subduction Zones
O1-09	17:05	17:20	0:15	Dyuti Prakash SARKAR (Yamaguchi Univ.)	Multiple slip-pulse experiments on gabbroic faults and its implications on earthquake energetics: perspectives from frictional properties and microstructures
O1-10	17:20	17:35	0:15	Yoshitaka HASHIMOTO (Kochi Univ.)	Spatiotemporal Stress-Strain Variations Controlled by Heterogeneous Fault Zone Geometry and its Scaling
General Discussion	17:35	17:50	0:15		
Close	17:50				
Social Party	18:30				South Breeze Hotel Kochi Kaigetsu (5min. walk from the venue)

Day 2 (25 Sep.)					
Theme: Data-constrained numerical modeling				Chair Ito / Matsuzawa	
O2-11	9:00	9:45	0:45	Yoshihiro KANEKO (Kyoto Univ.)	Potential links between foreshocks, slow slip and short-term earthquake predictability
O2-12	9:45	10:00	0:15	Baoning WU (Univ. of California, San Diego)	Analytical Solutions for Slip and Rupture Dynamics in Brittle-Viscous Fault Zones
O2-13	10:00	10:15	0:15	Ryosuke ANDO (Univ. of Tokyo)	Observation-constrained forward models uncover regularities of earthquake dynamics on geometrically complex faults
Poster Core /Coffee	10:15	11:45	1:30		Odd numbers: P2-01, P2-03,...
Photo / Lunch	11:45	13:45	2:00		
Theme: Data-constrained numerical modeling				Chair Ito / Matsuzawa	
O2-14	13:45	14:30	0:45	Tianhaozhe SUN (Geological Survey of Canada)	Studying megathrust slip and locking using deep-sea borehole fluid pressure observations
O2-15	14:30	14:45	0:15	Joaquin JULVE LILLO (Cardiff Univ.)	Unlocking the Forearc: How Splay Fault Permeability Shapes Subduction Zone Seismicity
O2-16	14:45	15:00	0:15	Donald FISHER (Pennsylvania State Univ.)	Numerical Modeling of the Subduction Interface
Poster Core /Coffee	15:00	16:30	1:30		Even numbers: P2-02, P2-04,...
Theme: General				Chair: Shibata / Maubant	
O2-17	16:30	16:45	0:15	Yutaro OKADA (Tohoku Univ.)	Spatiotemporal change in the interplate slip rate around Kodiak Island, Alaska
O2-18	16:45	17:00	0:15	Ketzallina FLORES-IBARRA (Kyoto Univ.)	Tsunami Earthquakes in The Middle America Trench (MAT)
O2-19	17:00	17:15	0:15	Caroline CHALUMEAU (IsTerre)	Influence of ridge subduction on seismicity in South Peru
O2-20	17:15	17:30	0:15	Shoichi YOSHIOKA (Kobe Univ.)	3D thermal structural and dehydration modeling in the southern Chile subduction zone and its relationship to interplate earthquakes and the volcanic chain
General Discussion	17:30	18:00	0:30		
Close	18:00				

Day 3 (26 Sep.)					
Theme: Environment and generation processes				Chair: Hamada / Yamaguchi	
O3-21	9:00	9:45	0:45	Samuele PAPESCHI (CNR-IGG, Firenze, Italy)	Influence of mantle wedge serpentinite composition on the rheology of slow slip
O3-22	9:45	10:00	0:15	Atsushi OKAMOTO (Tohoku Univ.)	Fault-valve behaviors caused by silica precipitation in hydrothermal experiments
O3-23	10:00	10:15	0:15	Ake FAGERENG (Cardiff Univ.)	Alteration of oceanic crust and the spectrum of slow-to-fast fault slip styles
Break(coffee)	10:15	10:30	0:15		
Theme: Environment and generation processes				Chair: Hamada / Yamaguchi	
O3-24	10:30	11:15	0:45	Junichi NAKAJIMA (Institute of Science Tokyo)	Earthquake clusters and swarms in Japan: Towards understanding the occurrence mechanisms
O3-25	11:15	11:30	0:15	Harold TOBIN (Univ. of Washington)	Evidence for megathrust locking and shallow coseismic slip in the Cascadia accretionary wedge
O3-26	11:30	11:45	0:15	Gaku KIMURA (JAMSTEC)	Forearc segmentation due to a ridge collision; high resolution 3D structure of the eastern Nankai forearc, Japan
Discussion Session	11:45	12:45	1:00		
Closing	12:45	12:55	0:10		
Lunch	12:55	14:00	1:05		
Business Meeting	14:00			(Project members only. ~60min.)	

* 45-min talks: Keynote speakers

* The timetable is color-coded according to theme.

Cutting-Edge Approaches to Measurement and Data Analysis

Data-constrained numerical modeling and model-informed observations

Environment and generation processes of slow and fast phenomena

General

Poster

(P1-01~85, P2-01~85)

Day 1 (24 Sep.)

P1-01	José GONZÁLEZ-ALFARO	Quaternary faulting and upper crustal microseismicity at the southern boundary of the Challenger Fracture Zone, northern-central Chile
P1-02	Szu-Ting KUO	Ease of earthquake rupture propagation along overconsolidated sediments due to rapid fluid pressurization
P1-03	Jason MORGAN	Deformation and Stress Heterogeneities in Subduction Shear Channels
P1-04	En-Chao YEH	Structural history and kinematic evolution in the hinterland and its implications for the origin of tectonic tremors and swarms: an example from the eastern Central Range, Taiwan
P1-05	Ya-Chu TSENG	P-T condition study of dynamic recrystallization during shear zone mylonitization using quartz microstructural analysis: a case study of Hoping mylonite, northeastern Taiwan
P1-06	Evan JAKOVAC	An EBSD Investigation of the Sanbagawa Belt
P1-07	Francesco GRIGOLI	Seismic catalogues cleaning and enhancement using a computer vision-based approach
P1-08	Liam MOSER	Temperature Insensitive Viscous Deformation Limits Megathrust Seismogenesis / Slab dehydration linked to great earthquake rupture barriers along the Alaska Peninsula
P1-09	Kuo-En CHING	Geodetic coseismic source model of the 2025 Dapu earthquake reveals transition from creeping to seismogenic fault behavior
P1-10	Shih-Han HSIAO	Investigating a triggered slow slip event on the Hengchun fault, Taiwan using geodetic observations and numerical simulations
P1-11	Miao ZHANG	Focal-Mechanism Characterization of Small Earthquakes Preceding the Mw 7.5 Noto Peninsula Earthquake
P1-12	Ji ZHANG	Revealing Widespread Non-Double-Couple Earthquakes in Tottori, Japan, Using a Dense Seismic Network
P1-13	Roos VERWIJS	Seismic and Aseismic Slip Behavior Around Subducting Seamounts in Numerical Earthquake Cycle Models
P1-14	Francisco ORTEGA-CULACIATI	Towards a Novel Uncertainty Quantification and Slip Inversion and Framework on Non-Planar 3D Faults: Application to the Illapel 2015 Earthquake
P1-15	Ryoko NAKATA	Rupture process of small and large earthquakes using multiscale circular patch model in quasi-dynamic numerical simulation of earthquake cycle
P1-16	Thi Trinh NGUYEN	The effect of mineralogical heterogeneity and fluid drainage on frictional properties of synthetic fault gouges during experimental seismic slip
P1-17	Makoto NAOI	High-resolution monitoring of AE activities induced by hydraulic fracturing experiments using neural phase picking and matched filter analysis
P1-18	Weifan LU	Small-scale Stress Heterogeneity Inferred Many Anti-Repeating Earthquakes in the Sierra Valley, Nevada

P1-19	Lili GE	Detectability of earthquake-induced signals in future gravity mission observations
P1-20	Genki OIKAWA	Deep low-frequency earthquakes associated with 2024 unrest of the Iwate volcano
P1-21	Zhuyuan LIN	Cohesive contact model for compressive clay in discrete element method
P1-22	Ryuta ARAI	Seismic reflection imaging of igneous intrusion structures in the Yaeyama Rift, Southern Okinawa Trough
P1-23	Suguru YABE	Usefulness of GSJ's borehole strainmeters in geodetic and seismic studies
P1-24	Thomas YEO	Co-seismic ductile deformation in carbonate-hosted active faults
P1-25	Yiming MA	Automated Detection of Short-term Slow Slip Events using Decade-long GNSS Time Series in New Zealand's Hikurangi Subduction Zone
P1-26	Ryuichi NISHIYAMA	Mapping Crustal Heterogeneities in Japanese Islands through Vertical Gravity-Gradient Analysis
P1-27	Yusuke KAKIUCHI	Tracking Seasonal Ground Water Variations Around Aso Volcano using Passive Seismic Interferometry
P1-28	Manuel J. AGUILAR-VELAZQUEZ	Toward Real-Time Earthquake Monitoring and Early Warning with DAS: Insights from the Shinkansen Railway
P1-29	Yusuke YOKOTA	Estimation of the distribution of coupling conditions in the Nankai Trough using long-term GNSS-A
P1-30	Tomoaki NISHIKAWA	Detection of Repeating Earthquakes Offshore El Salvador in the Middle America Subduction Zone: Implications for Plate Interface Slip Behavior
P1-31	Ayobami ABEGUNRIN	Slip instabilities in the Nankai Trough - Insights from the Ashizuri Transect
P1-32	Jun SU	Nearest neighbor search for repeating earthquakes: A hierarchical graph approach
P1-33	Phuc MACH	Analysis of Precursory Seismicity Before the 2024 Mw 7.6 Noto Peninsula Earthquake Using Declustered Earthquake Catalogs
P1-34	Tejaswini MANGALAGIRI	Seismic moment tensor estimation for the virtual earthquake in real-scale numerical rock box simulations using the Discrete Element Method
P1-35	Tsuyoshi ISHIKAWA	Fluid-rock interactions during albite metasomatism associated with deep slow earthquakes: Constraints from geochemical analyses
P1-36	Nodoka ODA	Interplay between deformation pattern and load cycle at the front tip of a dry-sand wedge
P1-37	Louise MAUBANT	Slow - to - Fast and Fast - to - Slow Slip Transitions in the Hikurangi Subduction Zone between 2018–2024
P1-38	Ryo YAMAGUCHI	The slow rupture process during the 2021 MW 8.5 South Sandwich Islands earthquake
P1-39	Masaru NAKANO	Seismic activities detected by DAS observations using seafloor fiber-optic cables around Kikai caldera
P1-40	Hanle ZOU	Quantitative analysis of seismic anomalies in the crust and its relationship to the genesis of large earthquakes
P1-41	Sae WATANABE	Does fracture energy of earthquakes scale with slip or slip squared? Insights from dynamic rupture simulations with hierarchical patch structures
P1-42	Masaoki UNO	Silica transport and silica sealing zone in slow-to-fast seismogenic zones revealed from field evidence and geochemical machine learning of high-pressure metamorphic rocks

P1-43	Kohei SHIMOTSUMA	Coupling distributions along the Nankai subduction zone and Median Tectonic Line estimated from InSAR and GNSS observations
P1-44	Jeremy Wing Ching WONG	Dynamic restrengthening and stress heterogeneity explain megathrust earthquake complexity
P1-45	Yoshiyuki TANAKA	An interpretation of the temporal gravity change caused by the 2024 M7.6 earthquake in the Noto Peninsula
P1-46	Paul Caesar FLORES	Seismic facies mapping of sediment input in Nankai Trough using cluster analysis of reflection amplitudes
P1-47	Takashi TONEGAWA	Long-term observation for fluid migration around the plate boundary in the Nankai subduction zone
P1-48	Satoru BABA	Low frequency earthquake activity observed by distributed acoustic sensing around the Tsugaru Strait
P1-49	Shun-ichi WATANABE	Installation plan for new GNSS-A sites of the SGO-A in the western part of the Nankai Trough
P1-50	Akiko TAKEO	Fault Properties of Slow Earthquakes through Broadband Seismic Observation in eastern Shikoku, Nankai
P1-51	Miku HIDAKA	Fluid-rock interaction of simulated fault gouges by frictional heating associated with coseismic faulting
P1-52	Hanaya OKUDA	Laboratory experiments on seismic slip of gabbroic fault under hydrothermal conditions
P1-53	Zahra ZANDVAKILI	Geochemical constraints on the origin of geofluid involved in the 2024 M7.6 Noto Peninsula earthquake
P1-54	Tsai-Wei CHEN	Heterogeneous Elastic Properties of Subduction Fault Zones: Laboratory Insights from a Cascadia Megathrust Analogue
P1-55	Yanfang QIN	Seismic Imaging of Subsurface Structure in the Eastern Part of the 2024 Noto Peninsula Earthquake Rupture Zone
P1-56	Satoshi TONAI	Thickening processes of a shear zone along a frontal thrust in a dry-sand wedge revealed by X-ray Computed Tomography and Digital Image Correlation
P1-57	Yasunori SAWAKI	Particle-motion-based cross-correlation for shear waves
P1-58	Naidan YUN	Absolute stress field inversion reveals stress reversal in the 2011 Mw 9.0 Tohoku-Oki earthquake
P1-59	Xinyu TAN	Numerical Investigation of Coupled Poroelastic Stress Effects on Rupture Directivity of Induced Seismicity Under the Rate-and-State Framework
P1-60	Koki AIDA	Noble gas contents of metasomatic rocks developed along a paleo-plate interface and the origin of subduction fluids: Evidence from the Sanbagawa metamorphic belt, SW Japan
P1-61	Jeena YUN	Triggered slow slip events and delayed megathrust earthquakes in the Hikurangi subduction zone due to the 2016 Mw 7.8 Kaikōura, New Zealand, earthquake in rate-and-state friction simulations
P1-62	Xiaolong ZHANG	Revisiting Crustal Deformation Before, During, and After the 2024–2025 Hyuga-nada Doublet in Southwest Japan
P1-63	Yuta ITO	Comparative Analysis of Seismicity across Three Depth-Dependent Slip Regimes in the Japan Trench Subduction Zone
P1-64	Jamal DOSKI	The Shift from Slow to Fast Deformation Dynamics in Earthquakes: Insights from the Kurdistan Region of Northern Iraq

P1-65	Yutaro ISHIHARA	Spatio-Temporal Variability of Very Low-Frequency Earthquakes: A Novel Detection Approach Using Waveform Correlation
P1-66	Yuto YOSHIZUMI	Development, demonstration, and evaluation of a GNSS-A observation system using a seaplane-type unmanned aerial vehicle
P1-67	Naofumi ASO	Estimating Temporal Changes in the b-value Using Neural Networks
P1-68	Sambuddha DHAR	Determining rheological model for mud-related deformation in SW Taiwan after the 2016 Mw 6.4 Meinong earthquake
P1-69	Yuki FUNABIKI	Summing up DAS-waveforms to see the rupture process of Small-to-Moderate Earthquakes
P1-70	Maki KOMATSU	Detection of repeating earthquakes in the Noto Peninsula swarm and their spatiotemporal characteristics
P1-71	Takahiro HOSOKAWA	Geological constraints on fluid pressure ratio and differential stress in the seismogenic zone at subduction plate interfaces: the Yokonami mélange, the Cretaceous Shimanto Belt, SW Japan
P1-72	Takumi TSUTSUMIDA	Lithium isotope ratios reveal differences in slab dehydration system between northeastern Japan and southwestern Japan
P1-73	Ahmed ELBANNA	Towards Digital Twins of Crustal Volumes in California
P1-74	Anna LEDECZI	Structure and properties of the Cascadia plate interface: evidence from a newly-described exhumed paleomegathrust in the Olympic subduction complex
P1-75	Kazuya SHIRAISHI	Subducting basement topography throughout the Nankai Trough
P1-76	Telemaco TESEI	Slip nucleation in hardening and chemically active brittle faults
P1-77	Masahiro HASHIMOTO	Spatiotemporal Distribution of Seismic Activity concurrent with the Boso Slip Events
P1-78	Nicolas DE SALVIO	Imaging the evolution of the fault-zone environment during the preparatory stage of the 2024 Noto Peninsula earthquake in Japan
P1-79	Giacomo POZZI	Spontaneous complexity in the dynamics of slow laboratory earthquakes.
P1-80	Hinako ARAKAWA	Revealing the Subsurface Activity beneath Mt. Mihara through Microearthquake Swarms
P1-81	Kaito SHIMOMURA	Depth-Dependent Swarm-like Behavior of Low-Frequency Earthquakes
P1-82	Keisuke YOSHIDA	Observation Constraints on the Aseismic-to-Seismic Slip Transition after the 2011 Mw9.0 Tohoku-Oki Earthquake
P1-83	Kazuki OHTAKE	Detection of slow slip events directly from continuous seismic waveforms based on random forest model
P1-84	Rintaro ENOMOTO	Multi-fault segment complexity and multi-rupture episodes during the 2024 Noto Peninsula earthquake
P1-85	Yukinojo KOYAMA	The relationship between rock structures showing simultaneous brittle and ductile deformation and slow earthquakes: the view from the Sanbagawa belt

Day 2 (25 Sep.)

P2-01	Meng-Chin LEE	Frictional Evolution of the Active Milun Fault Zone During Experimental Multiple Seismic Slip - Rate Pulses
P2-02	Momoka YAMASHITA	Onset of Deep Low-Frequency Earthquakes in Eastern Shimane
P2-03	Kai KOYAMA	Global Investigation of Foreshock Acceleration prior to Large Earthquakes
P2-04	Wataru TANIKAWA	Experimental Analysis of Slip Behavior on Dual-Slip-Plane Using SiO2 Simulants
P2-05	Yohei HAMADA	The effects of normal stress on torque control shearing experiments using a smectite-quartz mixture.
P2-06	Khanum ZUBIDA	Preliminary Sandbox Investigation of Tectonic Underplating and Décollement Step-Down in Accretionary Wedges
P2-07	Kei TAKAHASHI	Geological Architecture and Evolution of a Deep Subduction Plate Interface Shear Zone: Insights from Aka Island, Okinawa
P2-08	Yushin MORI	Strain Rate Dependence of Rock Strength under Uniaxial Compression
P2-09	Ryo YOSHIMURA	Detection of earthquake swarms and investigation of their relationship with slow earthquakes in the Hyuga-nada Region, Japan
P2-10	Taizo UCHIDA	Sub-millimeter-scale rock magnetic properties of a cataclastic fault rock: Insights into deformation and fluid–rock interaction in a fossil seismogenic zone
P2-11	Fang-Yu TSAI	Frictional strength recovery of the reservoir rocks at a potential Enhanced Geothermal Systems site, Taiwan, and its implication for fluid injection-induced seismicity
P2-12	Shunya OKINO	Reaction-Deformation Experiments on Carbonation Reactions in Mantle Wedge: Implications for Seismic Behavior
P2-13	Daisuke SATO	Separating hypothetical coseismic and postseismic phases of slow slip events
P2-14	Takaaki YOKOZAWA	Status of the environmental monitors at the KAGRA GW detector and investigation of the ground motion
P2-15	Mei KIKUCHI	Temporal b-value Reduction on Heterogeneous Velocity-Weakening Faults and Its Physical Mechanism
P2-16	Samriddhi PRAKASH MISHRA	Adjoint tomography of the Nankai and Kyushu subduction zones - Waveform misfits and assessment of existing 3D velocity models
P2-17	Angela MENESES-GUTIERREZ	Deep Inelastic Strain Distribution in the Shear Zone of Kyushu, Japan
P2-18	Ryoichiro AGATA	Extension of HypoNet Nankai to S-wave travel time: rapid hypocenter determination tool for the Nankai Trough subduction zone based on physics-informed neural networks
P2-19	Masayuki KANO	Frictional heterogeneity estimated from 2010 Bungo Slow Slip Events by Physics-Informed Neural Networks
P2-20	Yuji ITOH	Revisiting the early postseismic deformation of the 2003 Tokachi-oki earthquake
P2-21	Masaki ORIMO	Quantitative differences in moment scaled energy between regular and low-frequency earthquakes
P2-22	Jesse KEARSE	Curved fault slip and pulse-like rupture captured by CCTV video during the 2025 Mw 7.7 Mandalay earthquake, Myanmar.
P2-23	Futoshi YAMASHITA	Rupture termination on 6-m-long laboratory fault under heterogeneous stress conditions

P2-24	Yanhan CHEN	New insight into slow earthquake activities from continuous ocean bottom seismometers at the Guerrero Seismic Gap, Mexico
P2-25	Hitoshi HIROSE	Activity and slip distributions of short-term slow slip events in the northern Kii Peninsula, central Japan (2002--2024)
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