International Sedimentological Congress 2026 - Programme (v16 Jan 2026)

Pre & Post Field Trips		
Various days	**Expert Led Field Trips** – run specifically for Congress delegates, pre-booking required CLICK HERE FOR MORE DETAILS	Offsite locations

Sunday 25 January 2026		
8.30	Check in for **Pre-Congress Workshop** opens	Tākina Convention & Exhibition Centre
9.00 – 17.00	**Pre-Congress Workshop:** Describing and Understanding Shale/Mudstone Facies CLICK HERE FOR MORE DETAILS	
15.00 – 20.00	Registration/ Name Badge Collection Opens *To reduce waste and support our sustainability goals, we've chosen not to provide satchels, printed programmes, or other giveaways at check-in.*	
17.15	**Guests to have checked in and be gathered in foyer for the Mihi Whakatau**	
17.30 – 20.00	**Welcome Reception:** The Congress will begin with a Mihi Whakatau - a ceremonial welcome acknowledging our arrival and the coming together of mana whenua (local people) and manuhiri (guests) at Tākina Convention & Exhibition Centre. This pōwhiri-inspired gathering will be followed by the sharing of kai (food) and refreshments. ***With thanks to Kura Moeahu,*** QSO (Te Kāhui Maunga, Ngā Ruahine, Te Āti Awa, Ngāti Mutunga, Taranaki-tuturu, Ngāti Tama, Ngāti Toa) ***& Dr Alishia Rangiwhakawaitau Moeahu*, MNZM** (Ngāti Awa, Ngāi Tūhoe, Ngāti Tūwharetoa, Ngāti Rangitihi, Ngāti Māhuta, Ngāti Hikaairo, Ngāti Paoa, Te Aitanga a Māhaki, Rongowhakaata, Ngāti Porou)	

Monday 26 January 2026		
7.30 – 18.45	Registration Desk Open	Tākina Level 1
8.30 –9.45	**Mihi Whakatau & Congress Opening** **Keynote: Assoc. Prof. Dan Hikuroa** (Ngāti Maniapoto, Waikato-Tainui, Ngaati Whanaunga, Pākehā), University of Auckland *Heeding Parawhenuamea – Being a good ancestor*	Tāwhirimātea A&G
9.45 – 10.15	Morning Tea	
10.15 – 11.45	Concurrent Session 1	

Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 1A Next Generation Sediment Provenance: More Holistic Understanding of Source Regions, Sediment Pathways, and Depositional Settings 1	**Session 1B** Transport of Mud and Deposition of Mudstones - The State of the Art	**Session 1C** Coastal to shelf environments across time and space 1	**Session 1D** Controls on sedimentation at submarine active margins: bridging observations of modern processes and geological products 1	**Session 1E** Student Research Forum: driving progress in sedimentological studies 1	**Session 1F** Earth's sedimentary record of glaciation: connections in time and space 1
11.45 – 12.45	Lunch				
12.45 – 13.30	**Keynote: Prof Helen Bostock,** University of Queensland *Marine sediment dynamics and paleoceanography of the New Zealand region*				Tāwhirimātea A&G
13.40 – 15.10	Concurrent Session 2				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 2A Next Generation Sediment Provenance 2	**Session 2B** Carbonate systems and processes - a narrative of Earth history 1	**Session 2C** Coastal to shelf environments across time and space 2	**Session 2D** Controls on sedimentation at submarine active margins 2	**Session 2E** Student Research Forum: driving progress in sedimentological studies 2	**Session 2F** Earth's sedimentary record of glaciation 2 **&** Sedimentation in polar ice sheet margins
15.10 – 15.40	Afternoon Tea				
15.40 – 17.10	Concurrent Session 3				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 3A Next Generation Sediment Provenance 3	**Session 3B** Carbonate systems and processes 2	**Session 3C** Coastal to shelf environments across time and space 3	**Session 3D** Controls on sedimentation at submarine active margins 3	**Session 3E** Geoheritage and geodiversity of the sedimentary record **&** Open Science in Sedimentology	**Session 3F** Diagenesis of volcaniclastic sediments
17.15 – 18.45	**Networking Reception** in Exhibition Area (Tākina Convention & Exhibition Centre)				
19.00 – late	**Early Career Scientist Function** (Shed22 @ 4 Taranaki Street)				

Tuesday 27 January 2026		
8.00 – 17.55	Registration Desk Open	Tākina Level 1
9.00 – 9.45	**Keynote: Prof Kyoko Kataoka**, Niigata University *From "Volcanic Sedimentology" to "Sedimentary Volcanology": the role of volcaniclastic deposits in terrestrial and deep-water environments*	Tāwhirimātea A&G
9.45 – 10.15	Morning Tea with PICO presentations in ECR corner (level 1 foyer) @10.00 Post Field Trip Meet ups	

	• In the Shadow of Mt. Taranaki (Rongomātāne Room A) • Lacustrine and mire sedimentation in an ancient rift (Rongomātāne C)				
9.55 – 10.15	International Lithosphere Program Task Force VI on Sedimentary Basin (Rongomātāne C) Presenters: Piotr Krzywiec & Xiumian Hu				
10.15 – 11.45	Concurrent Session 4				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 4A Can Forward Stratigraphic Modeling enhance geological understanding of the subsurface and predict sedimentation through time and space? 1	**Session 4B** Carbonate systems and processes 3	**Session 4C** Coastal to shelf environments across time and space 4	**Session 4D** The continental sedimentary successions and their ability in understanding the present and forecasting the future of the Earth's surface 1	**Session 4E** Terrestrial and marine volcano-sedimentary interactions in modern and ancient environments: the relationship between volcanism and sedimentation on Earth and beyond 1	**Session 4F** Sedimentary processes in the northern Hikurangi Margin of New Zealand: Insights from IODP Expeditions 372/375
11.45 – 12.45	Lunch				
12.00 – 12.35	ECS Workshop: IAS Funding opportunities for Master's and PhD students and ECR (Rongomātāne Room A) Presenter: Chelsea Pederson				
12.45 – 13.30	**Keynote: Prof Fulvio Franchi**, Università Di Bari *Shallow subsurface playa lake sediments: implications for the interpretation of Martian lacustrine deposits*				Tāwhirimātea A&G
13.40 – 15.10	Concurrent Session 5				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 5A Can Forward Stratigraphic Modeling enhance geological understanding of the subsurface and predict sedimentation through time and space? 2	**Session 5B** Carbonate systems and processes 4	**Session 5C** Coastal to shelf environments across time and space 5	**Session 5D** The continental sedimentary successions and their ability in understanding the present and forecasting the future of the Earth's surface 2	**Session 5E** Terrestrial and marine volcano-sedimentary interactions in modern and ancient environments 2	**Session 5F** Contourites and Mixed Depositional Systems 1
15.10 – 16.25	Afternoon Tea & **Poster Session 1**				
16.25 – 17.55	Concurrent Session 6				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 6A Sedimentology and Luminescence keys to tune late Quaternary tectonic, climate and eustatic events	**Session 6B** Microbial architects of carbonates: Insights from modern to deep-time systems	**Session 6C** Sedimentology of Black Shales through Phanerozoic: tectonics, sea level and climate change, economy 1	**Session 6D** The complexity of braided rivers that reach the base level: braid deltas present and past	**Session 6E** Terrestrial and marine volcano-sedimentary interactions in modern and ancient environments 3	**Session 6F** Contourites and Mixed Depositional Systems 2
17.55	Formal programme closes for day				

Wednesday 28 January 2026		
Various times	**Mid-week Field Trips & Field-based Workshop** CLICK HERE FOR MORE DETAILS	Offsite locations

Thursday 29 January 2026						
8.00 – 17.55	Registration Desk Opens					Tākina Level 1
9.00 – 9.45	**Keynote: Assoc Prof Jamie Howarth,** Te Herenga Waka - Victoria University of Wellington *Quantifying the Seismic Hazardscape from Lake and Marine Sedimentary Records*					Tāwhirimātea A&G
9.45 – 10.15	Morning Tea with PICO presentations in ECR corner (level 1 foyer)					
10.15 – 11.45	Concurrent Session 7					
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C	
Session 7A Applications of Sedimentology for the Green Energy Transition **&** The role of subaqueous sediment gravity flows in carbon sequestration	**Session 7B** Carbonate depositional systems from platform, slope to basin: controls on their development 1	**Session 7C** Sedimentology of Black Shales through Phanerozoic 2	**Session 7D** Shaking across the land-to-sea boundary: Utilizing sedimentological imprints of past earthquakes to constrain seismic behaviour at active plate boundaries	**Session 7E** Deciphering climate and environmental records in shallow marine environments across space and time 1	**Session 7F** Contourites and Mixed Depositional Systems 3	
11.45 – 12.45	Lunch					
12.15 – 12.45	IAS General Assembly					
12.45 – 13.30	**Keynote: Dr Mariano Remirez,** University of Copenhagen *Ocean fertilization and anoxia: tracing the role of early land plants in climate feedbacks*					Tāwhirimātea A&G
13.40 – 15.10	Concurrent Session 8					
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C	
Session 8A Deep time biogeomorphology: life-sediment interactions in ancient clastic settings 1	**Session 8B** Carbonate depositional systems from platform, slope to basin 2	**Session 8C** Sedimentology of Black Shales through Phanerozoic 3	**Session 8D** Sedimentary evidence of geohazards – past and present 1	**Session 8E** Deciphering climate and environmental records in shallow marine environments across space and time 2	**Session 8F** Sedimentology and Sustainable GeoEnergy: a focus on hydrogen and carbon dioxide	
15.10 – 16.25	Afternoon Tea & **Poster Session 2**					
16.25 – 17.55	Concurrent Session 9					
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C	
Session 9A Deep time biogeomorphology 2 **&** Ichnology and sedimentary basin research: assessing environmental conditions	**Session 9B** Carbonate depositional systems from platform, slope to basin 3	**Session 9C** Mapping marine sediments in the world 1	**Session 9D** Sedimentary evidence of geohazards 2	**Session 9E** Fjord sediments: Archives of climate and tectonics through time	**Session 9F** Sediment gravity flow deposits in lacustrine basins: processes and products 1	

19.30 – 23.30	**Congress Dinner** (Tākina Convention & Exhibition Centre) *Celebrate the 22nd International Sedimentological Congress in style - an evening of fine food, entertainment, and connection.*

Friday 30 January 2026					
8.00 – 14.00	Registration Desk Open				Tākina Level 1
9.00 – 9.45	**Keynote: Prof Lesli Wood**, Colorado School of Mines Deepwater Fan Giants and Mountains of Mud: A Caribbean Kaleidoscope of Ancient Seascapes and Hidden Continents				Tāwhirimātea A&G
9.45 – 10.30	**Keynote: Assoc Prof Matthieu Cartigny**, Durham University *Direct measurement of sediment concentration profiles in a turbidity current coming down the Congo Canyon*				
10.30 - 11.00	Morning Tea				
11.00 – 12.30	Concurrent Session 10				
Tāwhirimātea A & G	Tāwhirimātea C	Tāwhirimātea E	Rongomātāne A	Rongomātāne B	Rongomātāne C
Session 10A Ichnology and sedimentary basin research 2	**Session 10B** Plastic Pollution in Sedimentary Systems: Detection, Transport and Remediation from Source to Sink	**Session 10C** Mapping marine sediments in the world 2	**Session 10D** Marine Carbonate-Siliciclastic sedimentary systems	**Session 10E** Varved and high-resolution lacustrine sequences as records of climate change, anthropogenic impact and extreme events	**Session 10F** Sediment gravity flow deposits in lacustrine basins 2
12.30 – 15.00	**Closing Ceremony** (Tākina Convention & Exhibition Centre) **IAS Awards – Ceremony including presentation from the Sorby Medal Recipient** Followed by a Farewell Celebration (food and beverages provided)				