

Ānō me he whare pūngāwerewere. Behold, it is like the web of a spider.

NZARE Mathematics and Statistics / Pāngarau Education SIG | Day Conference 2023

Friday 6 October 2023 | 8:30am – 4:15pm | Epsom Campus, Waipapa Taumata Rau University of Auckland

Programme

8:30-9:00am	Registration	
9:00-9:15am	Welcome and Introductions	
9:15-10:45am Parallel Session 1	<p>Session 1 Room A</p> <p><i>Proof that supporting young learners with proving might be difficult, but not impossible!</i> Jo Knox, Maths Development</p> <p><i>Face-to-face Learning: Self-Efficacy Beliefs in Undergraduate Tutorials.</i> Sang Hyun Ki, Waipapa Taumata Rau University of Auckland.</p> <p><i>Local vs global conceptual understanding: using concept maps as assessment for learning.</i> Tanya Evans, Waipapa Taumata Rau University of Auckland.</p> <p><i>Change in Primary Students Algebraic Functional Thinking</i> Bridget Wadham and Emily Pearce. Te Kunenga ki Pūrehuroa Massey University</p>	<p>Session 1 Room B</p> <p><i>Paying attention to student teachers' emotions in mathematics education</i> Linda Bonne (1), Joanna Higgins (1), Raewyn Eden (2); (1) Te Herenga Waka Victoria University of Wellington, (2) Te Kunenga ki Pūrehuroa Massey University</p> <p><i>Far and near data-ing.</i> Pip Arnold, Karekare Education.</p> <p><i>Go tidy your data! Examining high school teachers' approaches to statistical modelling with "messy" data.</i> Anna Fergusson, Waipapa Taumata Rau University of Auckland</p> <p><i>Learning Probability through Paradoxes.</i> Christian Camilo López Mora, Waipapa Taumata Rau University of Auckland</p>
10:45-11:15am	Morning Tea	
11:15am-12:45 pm Parallel Session 2	<p>Session 2 Room A</p> <p><i>Mathematical encounters: stories aimed at parents.</i> Caroline Yoon. Waipapa Taumata Rau University of Auckland.</p> <p><i>From undergraduate studies to research in mathematics: towards the study of a rarely discussed transition.</i> Rox-Anne L'Italien-Bruneau. Waipapa Taumata Rau University of Auckland.</p> <p><i>Session 2A continued on next page...</i></p>	<p>Session 2 Room B</p> <p><i>Collective Collaboration in Mathematical Reasoning.</i> Generosa Leach, Te Kunenga ki Pūrehuroa Massey University</p> <p><i>Transitioning to de-streamed classrooms: Teacher perspectives on the barriers and facilitators in their de-streaming journey.</i> Kaitlin Riegel, David Pomeroy, Kay-Lee Jones, Sara Tolbert. Te Whare Wānanga o Waitaha Canterbury University</p> <p><i>Session 2B continued on next page...</i></p>

Parallel Session 2 continued	<p><i>The potential of poetic inquiry for exploring the intersection of emotion and mathematics.</i> Raewyn Eden (1), Linda Bonne (2), Joanna Higgins (2). (1) Te Kunenga ke Pūrehuroa Massey University; (2) Te Herenga Waka Victoria University of Wellington</p> <p><i>Movement Matters</i> Robyn Gandell, Unitec Te Pūkenga</p>	<p><i>Applying multilevel modelling to analyse factors affecting mathematics achievement in New Zealand schools: Evidence from TIMSS data.</i> Tanya Saxena, Waipapa Taumata Rau University of Auckland</p> <p><i>Developing Mathematical Modelling Sub-Processes Through a Digital Escape Game,</i> Megan Clune, Waipapa Taumata Rau University of Auckland</p>
12:45-1:45pm	Lunch	
1:45-2:45pm Parallel Session 3	Session 3 Room A <p><i>Culturally Responsive Teaching in the Math Classroom.</i> Renu Sikka, Te Tāhuhu o te Mātauranga Ministry of Education Tāmaki Makaurau (5 minutes)</p> <p><i>Taufotunga motu'a 'oe Fikā: a maths outreach programme for Moana learners.</i> Jasmine Kaulamatoa, Te Herenga Waka Victoria University of Wellington (5 minutes)</p> <p><i>How Kura Kaupapa Māori Supports Learners to Develop Positive Mathematics Identities.</i> Melina Marama Amos. Waipapa Taumata Rau University of Auckland</p> <p><i>Realising the aspirations of Te Mātaiaho through cultural symmetry and mahitahi.</i> Piata Allen and Gail Ledger. Waipapa Taumata Rau University of Auckland</p>	Session 3 Room B <p><i>Investigating ākonga use of self-generated diagrams as a problem solving strategy.</i> Shelley Vaile, Te Herenga Waka Victoria University of Wellington (5 minutes)</p> <p><i>What does research have to say about learning and teaching undergraduate mathematics online?</i> Muhammad Taqiyuddin, Waipapa Taumata Rau University of Auckland (5 minutes)</p> <p><i>Me whakataurite ai. Practical examples for mana ōrite.</i> Pania Te Maro, Te Kunenga ke Pūrehuroa Massey University</p> <p><i>Equity for ākonga through a Common Practice Model for teaching Maths.</i> Cami Sawyer. Te Tāhuhu o te Mātauranga Ministry of Education</p>
2:45-3:00pm	Break	
3:00-4:00pm	Plenary Speakers	
4:00-4:15pm	Closing	

Followed by optional drinks and dinner in Mt Eden (details to follow closer to the time)