

# Looking ahead – new curricula, new opportunities?

## NZARE Mathematics Education SIG | Day Conference 2021

Monday 11<sup>th</sup> October 2021, 9am – 3pm at New Plymouth Boys High School

### Draft Programme

9:00am	<b>Welcome and Introductions</b>	
9:30am	<p><b>Session 1A</b></p> <p><i>20 Minute Presentations</i></p> <p>Go tidy your data! Examining high school statistics teachers' approaches to exploring "messy" data. <i>Anna Fergusson, University of Auckland</i></p> <p>Questions within the statistical enquiry cycle. <i>Pip Arnold, Karekare Education</i></p> <p>Culturally responsive games for teaching probabilities in secondary schools. <i>Sashi Sharma, University of Waikato</i></p>	<p><b>Session 1B</b></p> <p><i>20 Minute Presentations</i></p> <p>What does movement have to do with mathematics? <i>Robyn Gandell, University of Auckland</i></p> <p>Mathematics and statistics curriculum integration in New Zealand secondary schools. <i>Caitlyn Soulsby, Mana College</i></p> <p>Weaving knowledge together: Documenting the funds of knowledge of diverse learners. <i>Jodie Hunter, Massey University</i></p>
11:00am	<b>Morning Tea</b>	
11:30am	<p><b>Session 2A</b></p> <p><i>20 Minute Presentations</i></p> <p>One of these angles is a right angle, which one? What our system is not teaching our students: An item analysis of the TIMSS mathematics assessment. <i>Emma Medina, Ministry of Education</i></p> <p>Learning Mathematics Through Concept Maps. <i>Patrick Winkelman, AUT</i></p> <p><i>5 Minute Presentations</i></p> <p>East Asian New Zealand parent perspectives on involvement in their child's mathematics learning. <i>Yin-Tzu (Holly) Lin &amp; Robin Averill, Te Herenga Waka Victoria University of Wellington</i></p>	<p><b>Session 2B</b></p> <p><i>20 Minute Presentations</i></p> <p>Using Pūrākau and Digital Technology to illuminate Māori mathematical practices. <i>Piata Allen, University of Auckland.</i></p> <p>[Title to be confirmed] <i>Robyn Caygill, Ministry of Education</i></p> <p><i>5 Minute Presentations</i></p> <p>NZ Research in Mathematics Education. <i>Igor Kontorovich, University of Auckland</i></p> <p>The important role of visual representations in mathematics: A focus on diagrams. <i>Linda Bonne, Te Herenga Waka Victoria University of Wellington</i></p>

	<p>Ethics of Care in Developing Mathematics Inquiry Communities. <i>Melanie Stone, Massey University.</i></p> <p>How international students construct mathematical identities in their first year of university mathematics. <i>Kim Locke, University of Auckland</i></p>	<p>Researching mathematics education in Aotearoa New Zealand. <i>Naomi Ingram, University of Otago</i></p> <p>Secondary mathematics teachers' social justice arguments about streaming. <i>David Pomeroy, University of Canterbury</i></p>
1:00pm	Lunch	
2:00pm	<p><b>Panel Discussion</b> with Robin Averill (Te Herenga Waka Victoria University of Wellington), Michelle Dalrymple (Cashmere High School), Jodie Hunter (Massey University) and Tony Trinnick (University of Auckland)</p>	
3:00pm	Finish	