

## **Massey Maths and Stats Forum**

### **In conjunction with NZMS Colloquium**

**Wednesday 4 December 2019**  
**Ag Hort lecture building (AHLB)**  
**Turitea campus, Palmerston North**

#### **Mathematics and Statistics Professional Development opportunity for secondary teachers**

The day is for the Mathematics and Statistics community including secondary Maths and Stats teachers, as well as researchers, tertiary students and academic staff.

#### *Programme*

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| 8.45am  | Welcome   |  |
| 9.00am  | <b>Keynote: Maths Craft: bringing maths to the masses</b> , Jeanette McLeod, University of Canterbury, <a href="http://www.mathscraftnz.org">www.mathscraftnz.org</a>   |  |
| 10.00am | <b>The <i>other</i> Maths Craft</b> , <a href="http://www.mathscraft.org">www.mathscraft.org</a> , 'a chance for students in years 6-11 to Do Maths like a Research Mathematician', Angela Cameron, Manawatu Mathematics Teacher Association (MMTA) |  |
| 11.00am | <i>Morning tea</i>  |  |
| 11:30am | <b>Effect of no streaming on Māori and Pasifika student achievement in NCEA Level 1 Maths and Stats</b> , Misbah Sadat, Horowhenua College  | <b>A new type of question for teaching and assessing critical thinking in mathematics</b> , Sergiy Klymchuk, AUT                     |
| 12.00pm | <b>What do pipis tell us about mathematics and statistics in schools?</b> Pania Te Maro, Institute of Education, Massey University  | <b>My year as a Mathematics Teacher Fellow - Teaching in a secondary vs. tertiary environment</b> Kim Locke, UoA & Rangitoto College |
| 12.30pm | <i>Lunch</i>  |  |
| 1.30pm  | <b>Keynote: Mathematical Modelling in Education</b> , Kerri Spooner, AUT  |  |
| 2.30pm  | <b>Mathematical modelling framework and Desmos activity for senior secondary</b> , Rebekah Ward, student, Massey University   |  |
| 3.00pm  | <b>Secondary-Tertiary Transition</b> , NZMS Education Group   |  |
| 3.30pm  | <i>Afternoon tea</i>  |  |
| 4.00pm  | <b>Using network science to understand student pathways in and through STEM education and finding differences in student participation, linked to gender and ethnicity</b> , Dion O'Neale, University of Auckland                                   |  |
| 4.30pm  | <b>The Future of NCEA, what we know and what we don't</b> , Cami Sawyer, Massey University  |  |
| 5.00pm  | <i>Finish</i>   |  |