



New Zealand Institute of Physics
The institute for professional physicists

Physics Matters Teachers' Development Workshop

Feb 23rd, 2018

Location: Victoria University of Wellington,
Kelburn Campus
Laby Building Room 408

Programme

Time	Activity
8:30 – 9:00	<i>Coffee & tea on arrival</i>
9:00 – 10:30	Waves (Ben Ruck & Michele Governale) Wave equations, superposition principle, Fourier transforms, and applications to electromagnetism.
10:30 – 11:00	<i>Morning tea</i>
11:00 – 12:30	Stationary-Action Principle (Michele Governale & Ben Ruck) Advantages of the Lagrangian formulation of mechanics, and interesting examples.
12:30 – 1:30	<i>Lunch break</i>
1:30 – 2:30	Experimental activity: Photolithography
2:30 – 4:00	Cool physics problems (Ben Ruck & Michele Governale)
4:00 – 4:30	<i>Afternoon tea</i>
4:30 – 5:30	Cool-down talk: tba
5:30 –	<i>Drinks and nibbles @ Milk and Honey</i>



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