



## Conference Timetable

**Event Name:** Statistics and Mathematical Modelling in Combination Conference (SMMC 2022)

**Date:** 16-18 November 2022

**Time:** Event to commence promptly at 9:15am

**Location:** La Trobe University City Collins Campus

Room 2.11, Level 2

360 Collins Street, Melbourne

Also online via ZOOM for paid up participants – link will be sent separately to online participants.

**Conference administrative / organiser contact:**

Diana Heatherich - +61 402 019 615

**TIMETABLE**

<b>Wednesday 16 November 2022</b>	
9:00 am	Participants arrive Day 1
9:15 am	Official conference welcome begins – <ul style="list-style-type: none"> <li>• Professor Marcel Jackson, Associate Dean Research and Industry Engagement</li> <li>• Associate Professor Bec Strating, Director - La Trobe Asia</li> <li>• Dr Rebecca Chisholm, Conference Director</li> </ul>
9:40 am	Plenary Speaker 1 – Jukka Corander
10:30 am	MORNING TEA
10:45 am	Plenary Speaker 2 – Shizuo Kaji
11:35 am	Contributed talk 1 – Yvonne Stokes
11:55 am	Contributed talk 2 – Rahil Valani
12:15 pm	Contributed talk 3 – Soukaina Hadiri – zoom
12:40 pm	LUNCH
2:00 pm	Plenary Speaker 3 – David Price
2:55 pm	AFTERNOON TEA
3:10 pm	Plenary Speaker 4 – Melanie Roberts
4:00 pm	Day 1 ends
<b>Thursday 17 November 2022</b>	
9:00 am	Participants arrive for Day 2
9:15 am	Plenary Speaker 5 – Andrea Bertozzi – zoom
10:05am	Contributed talk 4 – Malay Banerjee
10:30 am	MORNING TEA
10:45 am	Plenary Speaker 6 – Oliver Maclaren
11:35 am	Contributed talk 5 – Sarah Vollert
11:55 am	Contributed talk 6 – Jordan Pitt
12:15 pm	Contributed talk 7 – Adeshina Adekunle
12:40 pm	LUNCH
2:00 pm	Plenary Speaker 7 – Natalie Thamwattana
2:55 pm	AFTERNOON TEA
3:10 pm	Plenary Speaker 8 – Kei Hirose
4:00 pm	Day 2 ends
6:00pm	Conference Dinner for participants who have registered and pre-paid: <b>Hotel Grand Chancellor Melbourne, 131 Lonsdale Street, Melbourne</b>

<b>Friday 18 November 2022</b>	
9:00 am	Participants arrive for Day 3
9:15 am	Plenary Speaker 9 –
10:05am	Contributed talk 8 – Chris Drovandi – zoom
10:30 am	MORNING TEA
10:45 am	Plenary Speaker 10 – iadine Chadès – zoom
11:35 am	Contributed talk 9 – Ton Viet Ta
11:55 am	Contributed talk 10 – Matthew Adams
12:15 pm	Contributed talk 11 – Saddam Abbasi
12:40 pm	LUNCH
2:00 pm	Plenary Speaker 11 – Emma McBryde
2:55 pm	Contributed talk 12 – Komal Singla – zoom
3:15 pm	Contributed talk 13 – Manoj Kumar – zoom
3:40 pm	Conference ends

**FREE ADDITIONAL EVENT:** (hybrid)

**2022 Christie Eliezer Memorial Lecture: “Epidemic to immuno-epidemic models of COVID-19”**

**Monday 21 November 6.00pm – 7.00pm AEDT** ([in-person](#) and [online](#))

Presented by Professor Malay Banerjee, Department of Mathematics & Statistics, IIT Kanpur, Kanpur, India

The speaker is one of the world's most prolific publishers in mathematical epidemiology.

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In this talk Malay will present a new modelling approach for the COVID-19 epidemic that accounts for the variation of how people experience COVID within a population. Variation in the period of infectivity, the time required for recovery, and days spent at the hospital vary significantly from one individual to another. This approach involves distributed recovery and death rates, and variable infectivity based upon the immunity level of the individuals. The infection transmissibility rate (how easily COVID is transmitted to other people) depends upon the immune response's strength and antibody level due to vaccination and acquired immunity.

This proposed new model will help to evaluate the COVID-19 epidemic situation and inform response.

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*The Memorial Lecture is a tribute to the legacy of Christie Eliezer AO. Christie Eliezer, a Sri Lankan National, was the first professor of applied mathematics at La Trobe University, after a distinguished academic career at Cambridge, Colombo, Princeton, Chicago and Kuala Lumpur. His contributions to the University over the 15 years, until retirement, had a lasting impact on the direction and success of the mathematical sciences at La Trobe University.*