

Te Kura Kairūri School of Surveying

# Lunchtime Seminar Series

## Precise Positioning with Consumer Devices: Progress, Challenges and Future

Phyo C Thu, University of Otago



Curious about how your everyday smartphone could achieve centimeter-level positioning accuracy? In this week's lunchtime seminar, we'll explore the remarkable progress in precise positioning with consumer devices, from mathematical algorithms to innovations in hardware and software. We'll also dive into the key challenges that remain such as signal limitations, multipath effects, and the constraints of compact form factors and consider what these mean for the future of positioning technology. Discover the approaches shaping the next generation of positioning technology and join the conversation about its future.

**Thursday 28<sup>th</sup> August 2025 (12pm – 1pm)**

L1 Lecture Theatre | School of Surveying, 310 Castle Street

OR Join remotely: <https://otago.zoom.us/> (ID: 979 1434 6880, P/W: 310310)