

Te Kura Kairūri School of Surveying

Lunchtime Seminar Series

SURV590 Honours Research Proposal Presentations

The 2026 Honours Students will present their initial research proposals. They would appreciate your input and feedback on their initial research project ideas.

Grace Cinque

Pondering the Future - a study in Uncrewed Surface Vessels and potential uses in Dunedin

This involves looking at a snapshot of USV usage in New Zealand and using USVs for field data collection and processing. The project is comparing kit set and bespoke solutions for portable USV in a range of hydrographic environments including coastal and inland waters.

Liam Baber

Accuracy at the Edge: Assessing Trimble VRS Now GNSS Positioning Performance Against Traditional Base-Rover RTK Under Sub-optimal CORS Network Geometry in Coastal Otago, New Zealand

Achieving real-time, precise positioning in remote coastal environments can be a challenge for positioning professionals. While advances in GNSS positioning methods have broadened the range of techniques available to users, the performance of these methods in environments characterized by limited CORS network coverage and suboptimal base station geometry is not well documented. Virtual Reference Stations (VRS) is one such technique leveraging a network of CORS observations to interpolate a “virtual” base station closer to the rover, thereby reducing spatially correlated error sources. This research seeks to compare the positioning performance of Trimble's VRS Now product in remote coastal environments, comparing it against traditional base-rover RTK.



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Te Whare Wānanga o Ōtāgo
NEW ZEALAND

Thursday 9th April 2026 (12pm – 1pm)

Owheo Room 1.01 | School of Surveying, 133 Union Street East

OR Join remotely: <https://otago.zoom.us/> (ID: 990 5863 2248, P/W: 133133)