

# Te Kura Kairūri School of Surveying Lunchtime Seminar Series



## How surveying is critical to one of the world's most important waterways - the Panama Canal

Gary Chisholm, Trimble

Gary has recently been working in the Panama Canal, and here he'll discuss:

- The canal and its challenges (climate change means less water depth)
- How it's surveyed - with GNSS with IMU in it
- How the canal is dredged for maintenance (positioning for blasting and excavators)
- Piloting a large vessel through the canal and the role of the MPS566 Pilot system (made mostly in NZ)
- The input of the equipment lever arm offsets from antenna to the IMU in the GNSS receiver, and why Rate of Turn needs to be so precise for Piloting
- Some concluding comments on the Suez canal and its recent expansion using dredger



Thursday 19<sup>th</sup> September 2024 (12pm – 1pm)

L2 Lecture Theatre | School of Surveying, 310 Castle Street

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