

Surveying for the Dunedin Central City Plan

Mr Richard Harrison, Global Survey



Abstract:

In late January 2019, *Dunedin City Council* advised they would be going to market for contractors to work with them on “The George Street Project”, the first of five major project areas identified in the Dunedin Central City Plan. These areas include the Retail Quarter (George Street), Cultural Quarter, Creative Quarter, Warehouse Precinct and the Educational and Medical Quarter. At the same time, *Southern District Health Board* announced its plans to move to the old *Cadbury* site, *Otago Polytechnic* and the *University of Otago* are renovating and adding buildings and the new Dental School is well underway. All these projects are sited boundary to boundary in “the heart of one of the world’s great small cities”. A coordinated spatial framework, extensive data sharing and integrated design are going to be essential.

This short seminar will highlight some of the new and emerging spatial technologies that will help gather and make sense of city-wide data, and will surely have a part to play in the development of Dunedin. These will include the following:

- Mobile laser scanning – street assets and road geometry
- 3D coordinated GPR - underground services to 3d model
- Terrestrial laser scanning – heritage facades, intersection upgrades
- High precision monitoring - dilapidation surveys for buildings
- 3D modelling/design – structural design
- Machine automation – civil construction
- GNSS and robotic surveying in general – survey and set out

The seminar will be illustrated with relevant NZ and Dunedin examples.

Presenter:

Richard Harrison is the South Island Sales Specialist for *Global Survey*, mainly representing Leica technology and software. Richard is a surveyor with 28 years’ experience and has recently returned to *Global Survey* after four years with *Beca*. His prior experience includes work in UK, Africa, Middle East, SE Asia, as well as 20 years in New Zealand. <https://www.linkedin.com/in/richard-harrison-b57b9547/>

School of
Surveying
Te Kura Kairāri

12:00 noon, Thursday, 9 May 2019

**L1 Lecture Theatre
School of Surveying
310 Castle Street**

