



COVER SHEET

Webb, Robert (2000) Students Benefit from GPS Deal. *The Queensland Surveyor Journal* 2000(5):pp. 36-37.

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Students benefit from GPS deal

QUT students are now being trained in the latest technology following the acquisition of Geodetic surveying and mapping GPS hardware and software worth \$125,000.

After twelve months of negotiation between QUT surveying staff and US Satellite Navigation firm Trimble Navigation and their Brisbane agents, Herga Ultimate Positioning, the Global Positioning System equipment has been installed.

Associate lecturer in the School of Planning, Landscape Architecture and Surveying Robert Webb said the leading edge GPS equipment could be worn like a back-pack and used in all weather conditions.

“It gives real-time, high-precision positions and rapid map reports to within a few millimetres of accuracy,” he said.

“The software is easy-to-use, flexible and provides powerful spatial data management capabilities, bringing a new level of productivity to the spatial information industries.”

Mr Webb said the Trimble Geomatics Office software was also able to seamlessly integrate a wide range of spatial data types and allowed information to be exported to many common CAD and GIS packages.

Along with the GPS hardware and software, QUT will introduce interactive teaching resources, allowing students to use self-guided CD-Rom based modules to learn measurement concepts and become familiar with the sophisticated instrumentation.

“New applications are emerging using the new GPS total station technology that includes integrated real-time kinematic positioning which will allow monitoring of structures and rapid mapping projects,” Mr Webb said.

The GPS kinematic option also allows in-field real-time map displays of points, lines and features using the hand-held electronic field book.

Acting Head of the School of Planning, Landscape Architecture and Surveying Dr Janelle Allison said the partnership created between universities and industry ultimately enhanced student learning skills and training in leading edge positioning and spatial technologies.

Trimble Navigation Australia will also fund a student prize in GPS studies starting next year.



Managing Directory of Trimble Asia Pacific Robert Lorimar is pictured (Left) along with Robert Webb from QUT's School of Planning, Landscape Architecture and Surveying.



Figure 1 Hand-over ceremony at QUT

L-R Associate Professor Brian Hannigan (QUT), Robert Lorimer (Trimble Navigation Australia), Robert Webb (QUT), Paul Bright (Herga Ultimate Positioning).



Figure 2: Leading Edge GPS Technology QUT
L-R Robert Webb (QUT), Dennis Lewis (Trimble Navigation), Brian Hannigan (QUT) Paul Bright (Herga Ultimate Positioning), Robert Lorimar (Trimble Navigation).