



University of Otago
School of Surveying, Dunedin, New Zealand

CALL FOR OPEN POSTGRADUATE SCHOLARSHIPS

Applications are invited for two, fully paid, PhD and/or Masters Scholarships. The PhD scholarships are available for 36 months (NZ\$25000 per year plus fees), Master Scholarships are for 12 months (NZ\$15000 + fees).

Eligibility: Candidates will have a high quality undergraduate and/or Masters degree in a related field and will be expected to undertake research under one of the following research themes in which the School has expertise:

Geodetic and Surveying Science

- Emerging technology – laser scanning, Network RTK, low-cost GNSS
- Earth deformation – measurement, modelling and analysis
- Long term sea level change
- Precise gravimetric (quasi)geoid modelling using combined GPS/levelling and gravity data
- Mean sea surface topography derived from altimetry, seaborne gravity and tide gauge data
- Recovery of the Core-Mantle boundary and refinement of the Moho boundary

Land Tenure and Cadastral

- The implication of emerging technologies on Cadastral Systems
- Land tenure – persisting land custom and cadastral surveying
- Land tenure – indigenous rights, property law and resource allocation

Land and Urban Development

- Sustainability and resilience of infrastructural networks

Hydrographic Surveying

- High resolution sea floor imaging using the Benthos C3D side-scan sonar
- Marine mapping standards for the Ocean's 2020 project
- Ocean governance – environmental planning beyond the NZ's territorial sea

Geospatial Science (GIS, RS and Photogrammetry)

- Dynamics of Landfast sea ice and polar near surface oceanography
- Glacier and snow monitoring – Southern Alps, New Zealand
- Participatory GIS in spatial decision making
- Open source software for cadastral record management
- Geographic visualisation and cartography

Applications: Applications close **28th February 2009**. Email **Paul Denys**, (pdenys@surveying.otago.ac.nz) or Fax +64 (03) 479 7596 the following:

- 1) A covering letter of application including a statement of the applicant's specific research interests and indication of how the applicant would contribute to a research theme;
- 2) Curriculum vitae (including publications if appropriate);
- 3) Academic transcripts;
- 4) Names and email addresses of three referees who can provide recommendations for the candidate; and
- 5) A one page proposed research topic (including research objectives and topic scholarship or merit).

Shortlisted candidates will be asked to complete a full research proposal. The scholarships are available immediately. Those interested will be sent a current research profile of the school.

