From: Liyin Liang
Subject: PhD opportunity at the University of Waikato, New Zealand-Greenhouse Gas Emissions from Grazed Pastures

FYI. Sorry for the cross posting!

---------- Forwarded message ----------
From: **Louis Schipper** <schipper@waikato.ac.nz>
Date: Wed, Oct 26, 2016 at 4:28 PM
Subject: PhD scholarship available in measuring nitrous oxide and carbon dioixde emissions from grazed pastures

Dear colleagues,

Could I please ask that you pass on the advert below to potential PhD candidates? I have also attached a fuller description of the project and information needed by candidates.

Thanks for your help

Best wishes Louis

PhD opportunity in Greenhouse Gas Emissions from Grazed Pastures

University of Waikato, New Zealand www.waiber.com

We have an opening for a PhD candidate to make measurements of nitrous oxide and carbon dioxide fluxes from grazed pastures using eddy covariance and chamber techniques. Our team is currently measuring fluxes of carbon dioxide at four eddy covariance tower sites over grazed pastures. We have recently installed a quantum cascade laser system to measure nitrous oxide fluxes. The successful candidate will initially test whether chamber measurements of nitrous oxide match those of the eddy covariance tower. Our ultimate aim is to identify farm management strategies that decrease nitrous oxide emissions while increasing soil carbon and maintaining pasture production.

Ideally, you will have experience or strong understanding of measurement of greenhouse gases, such as nitrous oxide, and the ability and motivation to learn eddy covariance techniques. A background in Matlab or similar scripting computer language is desired.

This PhD is co-funded for three years by the University of Waikato and the NZ Agricultural Greenhouse Gas Research Centre (NZAGRC). Expressions of Interest must be submitted via the online form by 1 December 2016 at http://www.waikato.ac.nz/scholarships/application-

forms/University-of-Waikato-NZAGRC-Doctoral-Scholarship. If no applicant is appointed the scholarship will remain open until a suitable applicant is found.

You will be part of a motivated team of researchers and students at the University of Waikato with considerable experience in flux measurements. The PhD candidate will be supervised by Drs Louis Schipper, Dave Campbell and Liyin Liang. Our research team can be viewed: www.waiber.com.

Louis Schipper

Professor

Faculty of Science and Engineering

University of Waikato, Private bag 3105, Hamilton 3240, New Zealand

Ph: 64 7 838 4468

Mobile: 027 666 0815

http://sci.waikato.ac.nz/about-us/people/schipper

www.waiber.com

--
Liyin L. Liang Ph.D.
Research Fellow
FG.3.07
Faculty of Science and Engineering
University of Waikato, Hamilton, NZ 3240

Phone: 07 838 6229 Mobile: 021 034 4351
http://waiber.com/