

UNIVERSITY SERVICE

Associate Professor (Honorary Research Associate), School of Geography, Environment, and Earth Sciences, Victoria University, Wellington, NZ, 2015-present

Associate Professor (Adjoint), Mathematics & Statistical Sciences, University of Colorado, 2014-present

Member of Graduate School, Mathematics & Statistical Sciences, University of Colorado, 2012-present

Adjunct Professor, Geosciences, University of Brasilia, 2008-present

Adjunct Professor, Center for Environmental Research, University of Campinas, 2008-present

Member of Graduate School, Department of Geophysics, Colorado School of Mines, 2006-2009

Member of Graduate School, Department of Geography & Env Sci, University of Colorado, 2004-2011

Post-doctoral

Advisor

Dr. Lihong Meng, Gannan Normal University, China 2016

Data-driven modeling of the water footprint for regions of New Zealand

Dr. Lucas Moreira, University of Brasilia, Brazil 2015

Hybrid software for numerical inverse problems

Dr. Cleyton Carnerio, University of Sao Paulo, Brazil 2013

Uncertainty quantification in airborne mineral mapping

Co-Advisor

Dr. Andrea Koga-Vicente, University of Colorado 2014

Modeling climate-sugar cane dynamics using a topologically weighted centroid

Dr. Eduardo Vicente, University of Colorado 2014

Classifying landscape features by machine learning

Graduate Students

Co-Advisor

Raul Rechden Victoria University, NZ PhD In progress

Shale gas: a new generation for New Zealand

Daniela Lins University of Campinas, Brazil PhD In progress

Hierarchical scenarios of climate change and evolutionary landscape dynamics

Akbar Eshfani University of Colorado, USA MS 2012-2013

Forecasting conditional climate change in southwestern, United States

Lucas P. Moriera University of Brasilia, Brazil PhD 2010-2013

Joint inversion of receiver functions and surface water measurements for crustal imaging

Fabio Iwashita University of Campinas, Brazil PhD 2009-2011

Prediction of water quality in central Brazil from hydrogeologic and airborne geophysical measurements using data mining and knowledge discovery techniques

Andréa Koga Vicente University of Campinas, Brazil PhD 2009-2010

Uncertainty in spatialization of extreme precipitation events near Serra do Mar

Maria A. Figueroa University of Colorado, USA MS 2006-2007

Comparison of δO^{18} water from suction lysimeters, centrifugation, and azeotropic distillation

Mark E. Smith Colorado State University, USA PhD 2007

Prediction methodologies for coastal and urban flooding in ungauged basins of El Salvador

Justin Little University of Colorado, USA MS 2006

Scaling: laboratory versus field scale hysteretic measurements for a coarse sandy soil

Maria Stearns	University of Colorado, USA	MS	2003-2004
<i>Effects of coal-bed methane discharge on vegetation and soil ecosystem in Powder River basin</i>			
Chuenamol Sethaputra	University of Colorado, USA	MS	2002-2004
<i>Dual porosity techniques for predicting macropore transport</i>			
Elizabeth Murphy	University of Illinois, USA	MS	2001-2002
<i>Predicting hydrologic variables in watersheds along an urban gradient</i>			

Committee member

Akbar Eshfani	University of Colorado, USA	MS	2013
<i>Forecasting conditional climate change in southwestern, United States</i>			
Erin Wallin	Colorado School of Mines, USA	PhD	2008
<i>Evaluation of high-frequency sounding for detection and monitoring of DNAPL contaminants</i>			
Oderon A. De Souza Filho	University of Campinas, Brazil	PhD	2008
<i>Dados aerogeofísicos e geológicos aplicados a seleção de áreas favoráveis para água subterrânea no domínio cristalino do Ceará, Brasil</i>			