

## Rebecca Gray

---

CONTACT INFORMATION	Department of Mechanical and Aerospace Engineering Princeton University Princeton NJ 08540 USA		(609) 375-7956 rgray@princeton.edu
EDUCATION	<b>Princeton University, USA</b>  Ph.D. Candidate, Mechanical and Aerospace Engineering (expected May 2020) Dynamical Control Systems Laboratory  <b>University of Canterbury, New Zealand</b>  B.E.(Hons) in Mechanical Engineering, December 2013 First Class Honours		
SCIENTIFIC RESEARCH EXPERIENCE	2014-present	Graduate Research Assistant, <b>Princeton University, USA.</b> Advisor: Prof. Naomi Leonard, Department of Mechanical and Aerospace Engineering. Investigating nonlinear modelling for collective decision making in honeybees.	
	2013	Independent Research Project, <b>University of Canterbury, NZ.</b> Advisors: Dr Paul Docherty, Dis. Prof. Geoff Chase, Department of Mechanical Engineering. Investigating a novel adaption to the Gauss-Newton parameter identification method.	
	2013	Honours Group Thesis, <b>University of Canterbury, NZ.</b> Advisor: Prof. Susan Krumdieck, Department of Mechanical Engineering. Conducting a feasibility study for an Organic Rankine Cycle turbine test bed and prospecting tool.	
PUBLICATIONS	Docherty, P.D., Gray, R.A.L. and Mansell, E.J. (2014) <i>Reducing the Effect of Outlying Data on the Identification of Insulinaemic Pharmacokinetic Parameters with an Adapted Gauss-Newton Approach</i> . Cape Town, South Africa: IFAC, 24-29 Aug 2014.		
TEACHING EXPERIENCE	2009	Teaching Assistant, Engineering Mechanics	
HONORS AND AWARDS	2015 2014 2011 2010	New Zealand Federation of Graduate Women Fellowship Fulbright Graduate Student Award J R Templin Travelling Scholarship College House Lyall Holmes Memorial Scholarship & George T Weston Scholarship University of Canterbury Emerging Leaders Scholarship	
RELEVANT SKILLS	Languages:	English	