

## Charles Stewart Hadfield

---

GENERAL	Nationality: New Zealander (birth)	<code>charleshadfield.com</code>
	French (naturalisation)	<code>charles.hadfield@gmail.com</code>
	Visa status: O-1 (Green Card: in process)	
	Date of Birth: June 1991	
EMPLOYMENT	<b>Rigetti Quantum Computing, Berkeley</b> 2018 - present	
	Applications Researcher/Mathematician, Theory Division	
	<b>University of California, Berkeley</b> 2017 - 2018	
	Charles B. Morrey, Jr. Assistant Professor	
EDUCATION	<b>École normale supérieure, Paris</b> 2014 - 2017	
	Doctorate: Structures de Clifford paires et résonances quantiques	
	Supervisors: Colin Guillarmou, Andrei Moroianu	
	<b>Université Pierre et Marie Curie, Paris</b> 2013 - 2014	
	Master 2 Pure Mathematics	
	<b>The University of Auckland</b> 2010 - 2013	
	Honours in Mathematics, July 2012 - June 2013	
	BSc majoring in Mathematics and Physics, 2010 - June 2012	
	<b>Christ's College, Canterbury</b> 2005 - 2009	
SCHOLARSHIPS AND PRIZES	Finalist for Rhodes Scholarship 2014 (one of seven New Zealand candidates)	
	Paris Graduate School of Mathematical Sciences International Scholarship, 2013 - 2014	
	Collins Prize in Mathematics (top student in Honours), 2013	
	The University of Auckland Honours Scholarship, 2012, 2013	
	The University of Auckland Scholarship, 2010 - 2012	
	Wacher Prize for Academic Head of School, Christ's College, 2009	
	HM Chrystall Prize for All-round Merit in Sport & Scholarship, Christ's College, 2009	
	First Prize in New Zealand Junior Mathematics Competition, 2006	
LANGUAGES	Julia, Python	
	English (native), French (fluent), Spanish (basics), Japanese (rusty)	
SPORT	2017 - 2018	Cal Sailing Club, Berkeley
	2013 - 2017	Elite Level C.A.Montrouge Hockey, Paris
	2010 - 2013	Premier Level Somerville Hockey Club, Auckland
	2002 - 2012	Canterbury, Auckland, NZ Hockey Representative and Umpire

PUBLICATIONS	<i>Zeta function at zero for surfaces with boundary</i> arXiv:1803.10982, submitted
	<i>Ruelle and quantum resonances for open hyperbolic manifolds</i> arXiv:1708.01200, IMRN
	<i>Local geometry of even Clifford structures on conformal manifolds</i> arXiv:1611.01665, Ann. Glob. Anal. Geom, with A. Moroianu
	<i>Resonances for symmetric tensors on asymptotically hyperbolic spaces</i> arXiv:1609.06527, Anal. PDE
	<i>Twistor spaces of Riemannian manifolds with even Clifford structures</i> arXiv:1602.04159, Ann. Glob. Anal. Geom, with G. Arizmendi
TALKS	<i>Lectures on topological quantum error correction</i> July 2019, Rigetti Quantum Computing
	<i>Resonances on asymptotically hyperbolic manifolds; the ambient metric approach</i> March 2018, UC Santa Cruz
	<i>A quantum/classical correspondence on hyperbolic manifolds</i> November 2017, Stanford University
	<i>Resonances on asymptotically hyperbolic manifolds; the ambient metric approach</i> September 2017, Bay Area Microlocal Analysis Seminar
	<i>Quantum resonances on asymptotically hyperbolic space</i> March 2017, Luminy
	<i>Résonances quantiques sur des variétés asymptotiquement hyperboliques</i> October 2016, Université d'Avignon
	<i>Géométrie hyperbolique et la fonction zeta de Selberg</i> February 2016, École normale supérieure
	<i>Dynamical zeta functions for Anosov flows, after Dyatlov, Zworski</i> May 2015, Peyresq
	<i>Espaces de twisteurs sur des variétés quaternion-kählériennes</i> June 2014, Université Pierre et Marie Curie
TEACHING	Honours Introduction to Complex Analysis Spring 2018, 3 <sup>rd</sup> year undergraduate, UC Berkeley
	Introduction to Analysis Spring 2018, 3 <sup>rd</sup> year undergraduate, UC Berkeley
	Introduction to Abstract Algebra Fall 2017, 3 <sup>rd</sup> year undergraduate, UC Berkeley
	Introduction to Differential Geometry Spring 2015, 3 <sup>rd</sup> year undergraduate, Université Paris-Dauphine