Martin de Borbon

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Education

• PhD	Imperial College London
Supervised by Simon Donaldson	Oct 2011 - Dec 2015
Date of award: 1 March 2016	

Employment	
• Lecturer Sep 2023 - now	Loughborough University
• Postdoc Apr 2023 - Sep 2023	University of Texas at Dallas
• Postdoc Sep 2020 - March 2023	King's College London
• Postdoc Sep 2019 - Aug 2020	Université de Nantes
• Postdoc Aug 2017 - Aug 2019	Aarhus University

Articles and Preprints

arXiv preprint	 Some models for bubbling of (log) K\u00e4hler-Einstein metrics (Joint with C. Spotti)
Ann. Fac. Sci. Toulouse	• Dunkl connections on \mathbb{C}^2 and spherical metrics (Joint with D. Panov)
Proceedings of the AMS	• Parabolic bundles and spherical metrics (Joint with D. Panov)
arXiv preprint	• Polyhedral Kähler cone metrics on \mathbb{C}^n singular at hyperplane arrangements (Joint with D. Panov)
l of the London Mathematical Society	• Calabi-Yau metrics with cone singularities along Journa intersecting complex lines: the unstable case (Joint with G. Edwards)
Journal of Differential Geometry	• Calabi-Yau metrics with conical singularities along line arrangements (Joint with C. Spotti)
Selecta Mathematica	• Toric Sasaki-Einstein metrics with conical singularities (Joint with E. Legendre)
Comentarii Mathematici Helvetici	• Schauder estimates on products of cones (Joint with G. Edwards)
IMRN	• <i>ALE Calabi-Yau metrics with conical singularities along a compact divisor</i> (<i>Joint with C. Spotti</i>)
Proceedings of the AMS	 Local models for conical K\u00e4hler-Einstein metrics (Joint with C. Spotti)
l of the London Mathematical Society	• Asymptotically conical Ricci-Flat Kähler metrics on \mathbf{C}^2 Journa with cone singularities along a complex curve

- The Gibbons-Hawking ansatz over a wedge
- Kähler metrics with cone singularities along a divisor of bounded Ricci curvature
- Singularities of plane complex curves and limits of Kähler metrics with cone singularities. I: Tangent Cones

Talks

- Song Sun's Complex Geometry Study Group, University of California, Berkeley, May 2023
- Informal Geometric Analysis Seminar, Northwestern University, May 2023
- Geometry Topology Dynamical Systems Seminar, University of Texas at Dallas, April 2023
- Spherical surfaces and related topics, Cortona, Italy, June 2022
- Special metrics on complex manifolds, University of Texas at Dallas, May 2022
- Geometry & Topology Seminar, online (2 talks), USTC (China), March 2022
- Geometry Seminar, King's College London, March 2022
- Shanghai Maths Seminar, online talk, July 2020
- Seminaire d' Analyse et Géométrie, IMJ-PRG, Paris, November 2019
- The 3rd Symposium in Geometry and Differential Equations, USTC, Hefei, China, May 2019
- Seminaire de Géométrie Complexe, Institut de Mathématiques de Toulouse, May 2019
- Seminaire d'Analyse et Géométrie, Ecole Normale Superiore, Paris, October 2018
- QGM Nielsen retreat, Sandbjerg Estate, Denmark, October 2018
- Informal Geometry Workshop in Paradiso, Italy, January 2018
- QGM Seminar, Aarhus University, Denmark, October 2017
- Holomorphic Foliations Seminar, IMPA, Rio de Janeiro, Brazil, January 2017
- CAPDE Seminar, Catholic University, Chile, October 2016
- Annual meeting of the Argentinian Mathematical Society, Bahia Blanca, Argentina, September 2016
- EGEO, Workshop on Differential Geometry, Cordoba, Argentina, August 2016
- Simons Center for Geometry and Physics, Stony Brook, USA, November 2015
- Geometric Analysis Seminar at the University of Warwick, United Kingdom, January 2015

Teaching experience

 King's College London, United Kingdom 	2021-2022
 Metric Spaces & Topology 226 (covering a paternity leave) Tutorials for Geometric Topology 327 	Undergraduate Master
Aarhus University, Denmark	2017-2018
– Riemannian geometry – Riemann surfaces (covering leave) – Kähler geometry	Master Master PhD

Journal of Geometry and Physics

Annals of Global Analysis and Geometry

Complex Manifolds

Universidad Nacional de San Luis, Argentina	2015-2017
 Numerical sequences and series Representations of finite groups Real analysis Partial differential equations Algebraic geometry 	Undergraduate Undergraduate Undergraduate Undergraduate Undergraduate
Universidad Nacional de Cuyo, Argentina	2015-2017
Differential geometryMeasure theory	Undergraduate Undergraduate
• IMPA, Brazil	Jan-Feb 2010
- Vector Calculus (<i>Teaching assistant</i>)	Master

Service

	Forum of Mathem	atics, Sigma
Referee reports	Communications in Pure and Applied I Selectad	Mathematics Mathematica
• Co-organizer of the QGM Seminar, Aarhus University		2017-2019
Co-organizer of the KCL Geometry Seminar, King's College		2022
• Co-supervisor of Jorge Bravo's master thesis: "On Calabi-Yau	conifolds", Aarhus University	2018-2019
• Supervisor of Dylan Prod'homme-Bennett master thesis: "H	odge Theory", King's College	2021-2022

• Reviewer for MathSciNet