Leung, Kin Kwan

University of Toronto
Department of Mathematics
40 St. George Street
Toronto, ON, M5S 2E4
Canada

Phone: (416) 978-5099
Mobile: (647) 824-6664
Email: kk.leung@utoronto.ca

Employment

University of Toronto

Postdoctoral Fellow, 2014-2017

Supervisor: Prof. John Bland

Perform research related to Zoll manifolds and Twistor Theory. Teach one course per semester.

Teaching Experiences

University of Toronto, Department of Mathematics

Postdoctoral Instructor, 2014-2017

Taught Linear Algebra I,II and Advanced Calculus (Real analysis and Multivariable Calculus). Used Crowdmark in grading examinations. Design curriculum, manage teaching assistants and give lectures for a Complex Variables class in Winter 2017. Classes are about 60 students to classes of about 150 students.

University of Michigan, Department of Mathematics

Graduate Student Instructor, Fall 2008 - Fall 2011, Fall 2012

Taught entry-level courses in Pre-Calculus and Calculus. Was the primary instructor in classes of about 30 students in an interactive classroom setting. Used WebWorK as part of the homework assignment. *Awarded the "Department of Mathematics Outstanding Teaching Award" in 2012* (1 award per year, department-wide)

Hong Kong University of Science and Technology, Department of Mathematics

Teaching Assistant, Fall 2006 - Spring 2008

Assisted the primary instructors in holding tutorial sections and small review sections for classes of about 100 students. Courses include Linear Algebra, Introduction to Differential Equations, Multivariable Calculus and Probability. *Won the "Best TA" award in 2008.* (2 awards per semester, department-wide)

Education

University of Michigan, Ann Arbor

Ph.D. Mathematics, 2008-2014

Advisor: Prof. Daniel Matthew Burns Jr.

Thesis Title: Complex Geometric Invariants associated to Zoll Manifolds

Hong Kong University of Science and Technology

M.Phil. Mathematics, 2006-2008

Advisor: Prof. Shiu-Yuen Cheng

Thesis Title: A Study on Eigenfunctions and Eigenvalues on Surfaces

Hong Kong University of Science and Technology
B.Sc. Mathematics, B.Sc. Physics, 2003-2006

> *Minors:* Information Technology

> *Honors:* First class honor

University of Waterloo
Exchange Program, 2006

Publications

The Complex Monge-Ampère Equation, Zoll Metrics and Algebraization
With Daniel Matthew Burns Jr.
Mathematische Annnalen (2017). https://doi.org/10.1007/s00208-017-1547-x

Conferences and Workshops Attended

2016 Lebrun Fest, Conference in Differential Geometry
Centre de Recherches Mathématiques, July 5-9, 2016

2012 Summer School on Foliations, Pseudoholomorphic Curves and Applications
Institut Fourier, Université Grenoble, June 13, 2012 - July 6, 2012

2011 Workshop on Global Harmonic Analysis
University of Kentucky, June 20-24, 2011

2010 International Conference on Spectral Geometry
Dartmouth College, July 19-23, 2010.

2010 Graduate Student Geometry/Topology Conference
University of Michigan, Apr 10-11, 2010.

Others

Programming: C++, Java, LaTeX, Python

Language: Cantonese (native), English (Fluent), Mandarin (intermediate)