Tom Kelly

University of Waterloo
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Education:

2015 –	**Ph.D. Candidate in Combinatorics & Optimization**
	University of Waterloo, Waterloo, ON.
	Supervisor: Luke Postle
2011 - 2015	**A.B. Mathematics**
	Princeton University, Princeton, NJ, 2015, *Cum Laude*.

Awards:

2015	**Middleton Miller '29 Prize**
	Awarded for best independent work in mathematics ($1500 value),
	Princeton University, 2015.

Publications:

- T. Kelly, C-H Liu. Minimum Size of Feedback Vertex Sets of Planar Graphs of Girth at least Five, European Journal of Combinatorics, 61C:138–150, 2017.

- S. Connolly, Z. Gabor, A. Godbole, B. Kay, T. Kelly. Bounds on the Maximum Number of Minimum Dominating Sets, Discrete Mathematics, 339(5):1537–1542, 2016.

Submitted Articles:

- T. Kelly, L. Postle. Exponentially Many 4-List-Colorings of Triangle-Free Graphs on Surfaces, Journal of Graph Theory, accepted. arXiv:1602.04717.

- T. Kelly, C-H Liu. Size of the Largest Induced Forest in Subcubic Graphs of Girth at least Four and Five, Journal of Graph Theory, submitted. arXiv:1603.03855.

Conference Presentations:

June 2017	*"Beyond Degree-Choosability Toward a Local Epsilon Version of Reed's ω, Δ, χ conjecture"* CanaDAM '17, Toronto, ON.
June 2016	*"Large Induced Forests in Planar and Subcubic Graphs of Girth 4 and 5"*, SIAM DM '16, Atlanta, GA.

Seminar Presentations:

Apr 2017	Charles University (Prague, Czech Republic), Combinatorics Seminar.
Nov 2015	University of Waterloo, Graph Theory Seminar.

Conferences Attended:

June 2017	Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM), Toronto, ON.
Oct 2016	New Trends in Graph Coloring, Banff, AB.
July 2016	Younger @ 80 Directed Graphs Conference, Waterloo, ON.
June 2016	SIAM Conference on Discrete Mathematics, Atlanta, GA.

Teaching

Teaching Assistant at University of Waterloo

Spring 2017	CO 342 - Introduction to Graph Theory.
Winter 2017	Math 137 - Calculus 1 for Honours Mathematics.
Fall 2016	CO 342 - Introduction to Graph Theory.
Spring 2016	CO 342 - Introduction to Graph Theory.
Winter 2016	Math 127 - Calculus 1 for the Sciences.
Fall 2015	Math 117 - Calculus 1 for Engineering.