

Anthony Bonato, PhD
Professor, Department of Mathematics

Anthony Bonato's research is in Graph Theory, with applications to the modelling of real-world, complex networks such as the web graph and on-line social networks such as Facebook and Twitter. He has authored over 120 publications with 80 co-authors. His books *A Course on the Web Graph* and *The Game of Cops and Robbers on Graphs* were published by the American Mathematical Society, and *Graph Searching Games and Probabilistic Methods* was published by CRC Press. In December 2018, the American Mathematical Society will publish his book *Limitless Minds* featuring interviews with mathematicians.

Bonato's research is supported by grants from NSERC, Ryerson University, and the Fields Institute. In 2017, 2011 and 2009, he was awarded Ryerson Faculty SRC Awards for excellence in research. He has delivered over 30 invited addresses at international conferences in North America, Europe, China, and India. He is the founding member of the research group *Graphs at Ryerson (G@R)*.

Bonato is currently full Professor in the Department of Mathematics at Ryerson University, and was the inaugural Associate Dean, Students and Programs in the Yeates School of Graduate Studies from 2013-2017. He is Editor-in-Chief of the journal *Internet Mathematics*, and editor of the journal *Contributions to Discrete Mathematics*. He served as Chair of the Department of Mathematics at Ryerson 2010-2013, and has served on a number of University, Faculty, and Department committees at several universities across Canada. Bonato served on the Board of Governors of Mprime and MITACS NCE. Bonato has co-chaired conferences such as the Workshops on Algorithms and Models for the Web Graph, Graph Searching in Canada, and the Canadian Discrete and Algorithmic Mathematics. In 2015, Bonato was appointed to the NSERC Discovery Mathematics and Statistics Evaluation Group for a four year term, and was the Chair for the Pure Mathematics section.

Bonato has supervised 17 postdoctoral fellows, five doctoral students, and 21 Masters students. In 2012, he was awarded an inaugural YSGS Outstanding Contribution to Graduate Education Award. He taught over 40 undergraduate and graduate courses at Ryerson, Dalhousie, Laurier, Mount Allison, Waterloo, the National University of Ireland, and the African Institute for Mathematical Sciences in Cameroon.

Bonato's maintains a popular blog on math in pop culture, and his words and writing were published in Salon, The Conversation, Maclean's, and the National Post.

For more background, visit <http://www.math.ryerson.ca/~abonato/>