

CURRICULUM VITAE

DRAGOS GHIOCA

1. CONTACT

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2. EMPLOYMENT

University of British Columbia, 07/01/2015 - present, Professor.

University of British Columbia, 07/01/2012 - 06/30/2015, tenured Associate Professor.

University of British Columbia, 07/01/2010 - 06/30/2012, tenure-track Assistant Professor.

University of Lethbridge, 07/01/2007 - 06/30/2010, tenure-track Assistant Professor. I was promoted to tenured Associate Professor effective 07/01/2010, but instead I decided to leave University of Lethbridge for University of British Columbia.

McMaster University, 07/01/2005 - 06/30/2007, postdoctoral fellow.

University of California at Berkeley, 08/01/2001 - 05/31/2005, graduate student instructor.

University of Pittsburgh, 09/01/1999 - 05/01/2000, graduate student instructor.

3. EDUCATION

Ph.D., Mathematics, University of California at Berkeley, May 2005.

University of California at Berkeley, graduate student, 2001 - 2005.

M.Sc., Mathematics, University of Pittsburgh, May 2000.

University of Pittsburgh, graduate student, 1999 - 2000.

University of Pittsburgh, undergraduate student, 1997 - 1999.

University of Bucharest, undergraduate student, 1996 - 1997.

4. HONORS

Awards

- (1) UBC Killam Research Fellowship, 2016 - 2017 (CAD \$15,000 worth). This prize is awarded yearly to promising faculty members across all disciplines who wish to devote full time to research and study in their field during a recognized study leave.
- (2) UBC Killam Teaching Award, 2013 (CAD \$5,000 worth). This prize is awarded yearly to the best university instructors across all disciplines.
- (3) NSERC Discovery Grant 2013 - 2018 (CAD \$115,000 worth).
- (4) Ribenboim Prize, 2012. The Ribenboim Prize, named in honour of Paulo Ribenboim, is awarded for distinguished research in Number Theory by a mathematician who is Canadian or has close connections to Canadian Mathematics. Previous winners are Andrew Granville (1999), Henri Darmon (2002), Michael Bennett (2004), Vinayak Vatsal (2006), Adrian Iovita (2008) and Valentin Blomer (2010).
- (5) Canada Research Chair (Tier II), 2010 - 2015, (CAD \$500,000 worth), declined. In June 2010, I was awarded a Canada Research Chair tenable at University of Lethbridge. However, I decided to leave University of Lethbridge for University of British Columbia.
- (6) NSERC Discovery Grant 2008 - 2013 (CAD \$85,000 worth).
- (7) NSERC Postdoctoral Fellowship (PDF), 2007 - 2009, (CAD \$80,000 worth), declined (since I accepted a tenure-track offer from University of Lethbridge). I was ranked 1st by the NSERC Awards Committee among all applicants for the 2007 PDF competition in Mathematics, and I was nominated for the Howard Alper prize, which is awarded to Canada's most outstanding postdoctoral fellow in the natural sciences and engineering. In 2007, out of the 1,097 applicants in science and engineering, there were only 8 people nominated for the Howard Alper prize.
- (8) Charles B. Morrey Award (from UC Berkeley; awarded to top graduate students for research potential in mathematics).
- (9) Outstanding Graduate Student Instructor Award (from UC Berkeley; awarded to top graduate students for teaching effectiveness).
- (10) Culver Award (from University of Pittsburgh; awarded to top undergraduate students majoring in mathematics).
- (11) Chancellor's Scholarship from the University of Honors College (University of Pittsburgh; 1997 - 1999).

Competitions

- (1) Putnam Undergraduate Mathematics Competition: ranked 10th (Second prize) in 1998 and ranked 30th (Honorable mention) in 1997. Each time there were more than 2,500 students in this competition from over 200 colleges from USA and Canada.
- (2) International Mathematical Olympiad: silver medalist in 1996, 1995 and 1994.
- (3) Balkan Mathematical Olympiad: gold medalist in 1996.
- (4) Romanian National Olympiad: first prize in 1996, 1994, 1993 and 1990; second prize in 1995 and 1992; third prize in 1991.

5. TEACHING AND SUPERVISING EXPERIENCE

Postdoctoral fellows supervised

- (1) Khoa Nguyen, 2014 - 2017; subsequent position: tenure-track Assistant Professor at University of Calgary, Canada.
- (2) Hexi Ye, 2014 - 2016; subsequent position: ZJU 100 (young) Professor (special-term professor) at Zhejiang University, China.
- (3) Alon Levy, 2012 - 2014; subsequent position: postdoctoral fellow at KTH Royal Institute of Technology, Stockholm, Sweden.
- (4) Yuri Burda (co-supervised jointly with Zinovy Reichstein), 2012 - 2014; subsequent position: NSERC postdoctoral fellow at University of Toronto & Fields Institute, Canada.
- (5) Guillaume Maurin, 2010 - 2011; subsequent position: Maître de Conférences, Université Paris 6, France.
- (6) Fabien Pazuki, 2009; subsequent position: Maître de Conférences, Université Bordeaux 1, France.

Graduate students supervised

- (1) Myrto Mavraki (co-supervised jointly with Stephanie van Willigenburg), 2012 - 2014, MSc awarded in May 2014; subsequent position: PhD student in Mathematics at University of British Columbia.
- (2) Vanessa Radzimski, 2012 - 2014, MSc awarded in May 2014; subsequent position: PhD student in Mathematical Education at University of British Columbia.
- (3) Kristina Nelson, 2015 - 2017, MSc awarded in May 2017; subsequent position: PhD student in Mathematics at University of California at Berkeley.
- (4) Foster Tom (co-supervised jointly with Stephanie van Willigenburg, Andrew Rechnitzer and Jozsef Solymosi), 2016 - 2018, expected MSc to be awarded in May 2018.
- (5) Myrto Mavraki, 2014 - 2018, expected PhD to be awarded in May 2018.

Courses taught at University of British Columbia

Math 613D (graduate course in Elliptic Curves), Spring 2016.

Math 538 (graduate course in Algebraic Number Theory), Spring 2015.

Math 437/537 (advanced course in Elementary Number Theory), Fall 2011, Fall 2012, Fall 2013.

Math 100 (Calculus 1), Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015.

Math 101 (Calculus 2), Spring 2011, Spring 2013, Spring 2015.

Math 220 (Introduction to Abstract Mathematics), Spring 2011.

Courses taught at University of Lethbridge

Algebraic Number Theory (graduate course), Fall 2007.

STAT 1770 (Statistics 1), Fall 2007.

Math 1410 (Linear algebra 1), Winter 2008, Winter 2009, Winter 2010.

Math 1560 (Calculus 1), Fall 2008, Fall 2009.

Courses taught at McMaster University

Inq 1SC3 (Inquiry in Science), Fall 2006 – Winter 2007.
Math 4X03 (Complex Analysis 2), Winter 2007.
Math 1A03 (Calculus 1), Fall 2006.
Math 1AA3 (Calculus 2), Winter 2006.
Math 3H03 (Number Theory), Fall 2005.

Courses taught at University of California at Berkeley

Math 54 (Linear Algebra and Differential Equations), Summer 2004.
Math 53 (Multivariable Calculus), Summer 2003.

Additional teaching and supervising experience

In April 2016, I was member of the PhD thesis defense committee for Junho Hwang (adviser: Kai Behrend, University of British Columbia).

In March 2015, I was member of the PhD thesis defense committee for Mario Garcia Armas (adviser: Zinovy Reichstein, University of British Columbia).

In May 2014, I was member of the PhD thesis defense committee for Ryan Clifford Schwartz (adviser: Jozsef Solymosi, University of British Columbia).

In 2012 - 2014, I was member of the PhD thesis committee for Conan Tingyi Wong (adviser: Michael Bennett, University of British Columbia).

In October 2012, I was the chair of the PhD Comprehensive Exam for Jerome Lefebvre (adviser: Zinovy Reichstein, University of British Columbia).

In January 2012, I was the chair of the PhD Comprehensive Exam for Mario Garcia Armas (adviser: Zinovy Reichstein, University of British Columbia).

In 2011-2012, I was external reviewer for the PhD thesis of Luca Demangos (adviser: Laurent Denis, Université Lille 1).

In August 2011, I was the internal reviewer for the M.Sc. thesis of Kyle Hambrook (adviser: Michael Bennett, University of British Columbia).

In April 2010, I was the chair of the M.Sc. thesis defence committee for Nafiseh Jahanbakht (adviser: Hadi Kharaghani, University of Lethbridge).

In the Summer of 2006 I supervised Keira Gunn for an NSERC undergraduate student research project in number theory at McMaster University.