

Curriculum Vitae for Gordon Slade

February 5, 2021

Gordon Douglas Slade; born in Toronto on December 14, 1955; Canadian citizen.

Address: Department of Mathematics, 121-1984 Mathematics Road, University of British Columbia, Vancouver, BC, Canada V6T 1Z2

Telephone: +1-604-822-3781. Email: slade@math.ubc.ca

Education

1984: Ph.D. in Mathematics, University of British Columbia.

Thesis: An asymptotic loop expansion for the effective potential in the $P(\phi)_2$ quantum field theory.

1979: M.Sc. in Mathematics, University of Toronto.

1977: B.A.Sc. (Honours.) Engineering Science (physics option), University of Toronto.

Employment

Department of Mathematics, University of British Columbia:

Professor since 01/07/99. Acting Head 01/07/02–30/09/02. Associate Head 01/10/02–30/06/03.

Associate Head Research, 01/07/07–30/06/08 and 01/09/10–30/06/13.

Department of Mathematics and Statistics, McMaster University:

Assistant Professor 01/07/86–30/06/90. Associate Professor 01/07/90–30/06/95. Professor 01/07/95–30/06/99.

Department of Mathematics, University of Virginia:

Lecturer 15/01/85–31/05/86.

Visiting Positions (at least one month)

2019: Research Institute for Mathematical Sciences, Kyoto University.

2018: Isaac Newton Institute for Mathematical Sciences.

2014: Research Institute for Mathematical Sciences, Kyoto University.

2013: Mathematics Institute, Leiden University.

2009: Université Paris V; Global COE in Mathematics of Kyoto University and Kyushu University.

2008: Université Paris VI, Université Paris Sud (Orsay).

2004: Microsoft Research (Redmond); University of Melbourne.

2003: EURANDOM (Eindhoven); Isaac Newton Institute for Mathematical Sciences.

2001: Microsoft Research (Redmond).

1998: Microsoft Research (Redmond).

1997: University of Nijmegen.

1997: University of British Columbia.

1996: Tokyo Institute of Technology.

1993: Isaac Newton Institute for Mathematical Sciences (Cambridge U.K.); University of Virginia.

1992: ETH Zürich; Ecole Polytechnique (Palaiseau).

1989: Courant Institute of Mathematical Sciences (New York).

1988: Courant Institute of Mathematical Sciences (New York).

1986: Max-Planck-Institut für Physik und Astrophysik (Munich).

1985: University of British Columbia.

Honours

- 2018: Jeffery–Williams Prize of the Canadian Mathematical Society
- 2017: Fellow of the Royal Society (London)
- 2017: UBC Killam Teaching Prize
- 2012: Fellow of the American Mathematical Society
- 2011: Fellow of the Institute of Mathematical Statistics
- 2010: Fellow of the Fields Institute
- 2010: CRM–Fields–PIMS Prize
- 2009: Institute of Mathematical Statistics Medallion Lecture, Berlin
- 2004: UBC Killam Research Prize (Senior Science Category)
- 2003: Prix de l’Institut Henri Poincaré (with Remco van der Hofstad)
- 2000: Fellow of the Royal Society of Canada
- 1995: Coxeter–James Prize of the Canadian Mathematical Society
- 1994: Invited Lecture, International Congress of Mathematicians, Zürich

Courses taught at international schools

- 2017: Summer school “Probabilistic approaches in Mathematical Physics,” Basque Center for Applied Mathematics, Bilbao, Spain. Critical phenomena and the renormalisation group.
- 2015: Third NIMS Summer School in Probability, Daejeon, South Korea. Critical phenomena and the renormalisation group.
- 2015: Topics in renormalisation group and regularity structures; MASDOC Summer School, Warwick. Recent applications of the renormalisation group to critical phenomena.
- 2014: Summer School on Mathematical Physics, Analysis and Stochastics; Heidelberg. Self-avoiding walk in four dimensions.
- 2010: Clay Institute Summer School and 14th Brazilian Probability School, on Probability and Statistical Physics in Two and more Dimensions, in Búzios (Brazil). Self-avoiding walks.
- 2009: Institut Henri Poincaré (Paris). Self-avoiding walks.
- 2009: Global COE at Kyoto University. A renormalisation group analysis of the 4-dimensional self-avoiding walk.
- 2008: Summer School in Mathematical Physics, Feza Gürsey Institute (Istanbul). Introduction to Percolation Theory.
- 2007: London Mathematical Society Symposium on Random Walks (Durham). Random walks and the lace expansion.
- 2005: PIMS-UBC Summer School in Probability (Vancouver). The lace expansion and its applications.
- 2004: Saint-Flour Summer School on Probability. The lace expansion and its applications.
- 2000: Graduiertenkolleg, TU-Berlin. Critical exponents, scaling limits and the lace expansion.

Service

Member of Selection Committee for CRM-Fields-PIMS Prize, for prizes awarded 2013 and 2014.
Member of Institute of Mathematical Statistics Committee on Nominations 2010-11.
Associate Editor for *Canad. J. Math.* and *Canad. Math. Bull.*, 2009-13.
Member of the International Affairs Committee of the Canadian Mathematical Society, 2009-12.
Co-chair of Scientific Committee for Joint CRM-PIMS Thematic Programme on Challenges and Perspectives in Probability 2008–2009.
Member of the Banff International Research Station Scientific Advisory Board, 2005–2008. Member of the Program (Steering) Committee, 2006–2008.
Member of the Royal Society of Canada Synge Committee, 2005–2008.
Member of Fields Institute Scientific Advisory Panel, 2001–2005.
Member of Canadian Mathematical Society Research Committee, 2001–2003.
Member of NSERC Grant Selection Committee, Pure and Applied Mathematics B, 1998–2001.
Member of Pacific Institute of the Mathematical Sciences Scientific Research Panel, 1996–2001.
Member of the Organising and Program Committees for the 1998–1999 program on Probability and its Applications at the Fields Institute for Research in Mathematical Science.
Associate Editor of *Annals of Applied Probability*, 1997–2002.

Conference Organisation

2017: PIMS-CRM Summer School in Probability (Vancouver).
2016: Member of International Advisory Committee of STATPHYS25 (Lyon).
2013: Conference on Recent Trends in Stochastic Analysis, PIMS (Vancouver).
2013: Member of International Advisory Committee of STATPHYS25 (Seoul).
2012: PIMS-Mprime Summer School in Probability (Vancouver).
2010 and 2012: Member of Scientific Committee, Summer School in Mathematical Physics, Feza Gürzey Institute (Istanbul).
2010: Member of Scientific Program Committee, 34rd Conference on Stochastic Processes and their Applications (Osaka).
2010: Member of International Advisory Committee of STATPHYS24 (Cairns).
2009: Above the critical dimension, a workshop at Institut Henri Poincaré (Paris).
2009: Symposium in Honour of David Brydges and Joel Feldman, PIMS (Vancouver).
2009: CRM-PIMS Summer School in Probability (Vancouver).
2008: PIMS-UBC Summer School in Probability (Vancouver).
2005: BIRS workshop on Critical Scaling for Polymers and Percolation (Banff).
2002: Special Session on Probability Theory, CMS Summer Meeting (Laval).
1999: Special Session on Probabilistic Methods in Mathematical Physics, CMS Winter Meeting (Montréal).
1998: Workshop on Mathematical Physics of Polymers and Percolation, Fields Institute (Toronto).

PhD students supervised

2017: Benjamin Wallace, now Machine Learning Engineer at iRobot.

2015: Alexandre Tomberg, now Principal Machine Learning Engineer, Knowtions, Toronto

2013: Roland Bauerschmidt (joint supervision with David Brydges), now Reader, Statistical Laboratory, University of Cambridge

2012: Yuri Mejía Miranda, now Data Scientist, Tiqets, Amsterdam, Netherlands

2010: Jesse Goodman, now Senior Lecturer, Department of Statistics, University of Auckland

2005: Mark Holmes (joint supervision with Edwin Perkins), now Associate Professor, School of Mathematics and Statistics, University of Melbourne

1996: Eric Derbez, now Software and Algorithms Engineer, XCO, Penticton.