Curriculum Vitae
Natasha Dobrinen

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EDUCATION

Ph.D. in Mathematics, University of Minnesota — July 2001
Thesis adviser: Professor Karel Prikry
Thesis title: "Generalized weak distributive laws in Boolean algebras and
issues related to a problem of von Neumann regarding measurable algebras."

B.A. in Mathematics, High Honors, University of California - Berkeley — May 1996
Honor's Thesis adviser: Professor Richard E. Borcherds
Honor's Thesis title: "The prime number theorem."

EMPLOYMENT

University of Denver, Department of Mathematics
Full Professor — September 2016 - present
Associate Professor — September 2011 - August 2016
Assistant Professor — September 2007 - August 2011

Kurt Gödel Research Center for Mathematical Logic — October 2004 - August 2007
University of Vienna, Austria
FWF Postdoctoral Fellowship

The Pennsylvania State University — August 2001 - May 2004
NSF VIGRE Chowla Research Assistant Professor

University of Minnesota — September 1996 - May 2001
Teaching Assistant

POSITIONS OF SCIENTIFIC EXPERTISE

Association for Symbolic Logic
- Council Member — 2018 - 2021
- Chair of North American Committee on Logic — 2018 - 2021
- Member of North American Committee on Logic — 2014 - 2017
- Member of the Web Advisory Committee — 2014 - 2017

National Science Foundation
- Panelist — 2017 - 2018
- Reviewer — 2010, 2015

BLAST Conference Series
- Chair of Program Committee — 2017 - 2018
- Program Committee Member — 2008, 2011, 2013
- Founder (with N. Galatos) — 2007

Member of Program Committees including:
- SLALM: Latin American Symposium on Mathematical Logic — 2017
- Conference on Infinitary Ramsey Theory — 2014
- Association for Symbolic Logic Winter Meeting — 2012

Individual Research Grants

- National Science Foundation Grant, P.I.   September 2019 - August 2022
  Logic, Ramsey Theory, and Relational Structures , $158,476

- National Science Foundation Grant, P.I.   September 2013 - August 2016
  Ramsey Theory, Set Theory and Tukey Order, $129,995

- National Science Foundation Grant, P.I.   September 2013 - August 2016
  Ramsey Theory, Set Theory and Tukey Order, $114,368

- Simons Foundation Collaboration Grant, P.I.   September 2012 - August 2017
  Classification of Tukey types of ultrafilters, $35,000
  (Terminated September 1, 2013 due to NSF grant)

- Association for Women in Mathematics/National Science Foundation   2010
  Mentoring Grant, P.I., $2,800

- University of Denver Faculty Research Fund Grant, P.I., $3,000   2009

- Marsico Medium-Term Visiting Scholar Grant, P.I., $3,000   2009
  Supported Dr. Katherine Thompson of the University of Vienna:
  3 lectures and 2 lunches for undergraduates

Conference Grants

- National Science Foundation Grant, Co-P.I.   2017 - 2019
  BLAST Conference 3-year cycle, $84,000

- National Science Foundation Grant, P.I.   2014
  Infinitary Ramsey Theory Conference, University of Denver, $10,200

- University of Denver Sesquicentennial Provost Fund Grant, P.I.   2014
  for the Ramsey Theory Conference at the University of Denver, $3,000

- National Science Foundation Grant, Co-P.I.   2008
  for the first BLAST Conference at the University of Denver, $27,000

Advising/Mentoring

- Research Mentor for Dr. Kaiyun Wang (2018-2019)
  Shaanxi Normal University, China

- Postdoctoral Mentor to Daniel Hathaway (2015-2018) and José Mijares (2013-2015)

- PhD Advisor to Devin Groh (current) Sonia Navarro Flores (current), and Timothy Trujillo
  (PhD 2014).

- Masters Thesis Advisor for Sonia Navarro Flores (MS 2015)

Honors and Awards by Scientific Societies

- Excellence in Research Award   2016
  University of Denver, Division of Natural Sciences and Mathematics

- Visiting Fellow. Isaac Newton Institute for Mathematical Sciences, Cambridge, UK   2015
  Program in Mathematical, Foundational and Computational aspects
  of the Higher Infinite

- ΦBK UC Berkeley   1996

Invitations to Research Programs and Panels

- Oberwolfach, Germany   April 2020
  Workshop on Set Theory

- CIRM, Luminy, France   September 2019
  The 15th International Workshop in Set Theory

- Casa Matém@atica de Oaxaca, Oaxaca, Mexico   August 2019
  Workshop on Reverse Mathematics of Combinatorial Principles

- National Academy of Sciences Webinar Panelist   September 2019
  Logic and Foundations

- Casa Matémmatica de Oaxaca, Oaxaca, Mexico   August 2019
  Set theory of the reals

- Banff International Research Station   November 2018
  Unifying Themes in Ramsey Theory

- The Netherlands Royale Academy of Sciences, Amsterdam   August 2018
  Generalised Baire Spaces

- Bertinoro International Center for Informatics, Italy   July 2018
  Ramsey Theory in Logic, Combinatorics and Complexity

- CIRM, Luminy, France   November 2017
  The 14th International Workshop in Set Theory

- American Institute of Mathematics, Palo Alto, CA   August 2017
  Nonstandard methods in combinatorial number theory

- Charles University, Prague, Čech Republic   December 2016
  Ramsey DocCourse Prague 2016

- Centre de Recerca Matemàtica, Barcelona, Spain   December 2016
  IRP on Large Cardinals and Strong Logics

- Casa Matémmatica de Oaxaca, Oaxaca, Mexico   September 2016
  Workshop on Set Theory and Its Applications in Topology

- Isaac Newton Institute, Cambridge, UK   August, November, December 2015
  Mathematical, Foundational and Computational Aspects of the Higher Infinite

- American Institute of Mathematics, Palo Alto, CA   June 2014
  Workshop on Inner Models and Descriptive Set Theory

- Oberwolfach Workshop in Set Theory, Germany   January 2014

- Fields Institute, Toronto   July - December 2012
  Thematic Program on Forcing and Its Applications

- Mittag-Leffler Institute, Sweden   November-December 2009
  Semester on Set Theory and Model Theory

- Oberwolfach Workshop in Set Theory   December 2005

- American Institute of Mathematics, Palo Alto, CA   December 2004
  Recent Advances in Core Model Theory

Research Visits

- Universidad de los Andes, Bogotá, Colombia hfill August 2019

- National University of Ireland, Galway, Ireland   August 2019

- University of Notre Dame, South Bend, Indiana   March 2019

- University of Florida, Gainesville, Florida   February 2019

- National University of Mexico, Morelia   December 2018

- University of Notre Dame, South Bend, Indiana   September 2018

- National University of Ireland, Galway   December 2017

- Charles University, Prague   July 2017

- University of Illinois - Urbana Champaign   March 2017

- University of Leeds   January 2017

- University of Auburn, Auburn, Alabama   April 2016

- Technisches Universität, Vienna, Austria   February 2015

- University of Calgary, Canada   August 2014

- Technisches Universität, Vienna, Austria   July-August 2014

- University of Calgary, Canada   January-February 2014

- City University of New York, New York   October 2013

- University of Wisconsin, Madison   October 2013

- University of Michigan   February 2012

- Université of Paris VII   July-August 2011

- Université of Paris VII   June-August 2010

- Université of Paris VII   December 2010

- California Insitute of Technology   January 2010

- Université Paris VII   July-August 2009

- University of Vienna   June 2009

- University of Wisconsin   April 2009

- University of Toronto   March 2009

- Université Paris VII   November - December 2008

- Université Paris VII   July 2008

- University of Toronto   January - March 2008

- ICREA, Barcelona   March 2005

- The Center For Theoretical Studies and   August 2003
  The Academy of Sciences of the Czech Republic, Prague

- Dartmouth College   May 2003

- The Center For Theoretical Studies and   August 2002
  The Academy of Sciences of the Czech Republic, Prague

Conference Organizing

- BEST Conference Series, Scientific Committee Member   2018 - 2023
- Chair, BLAST 2018, University of Denver   2017 - 2018
- Program Committee Member   2016 - present
  SLALM (Latin American Symposium on Mathematical Logic)
- Organizer of AMS Western Sectional Special Session   October 2016
  in Set Theory of the Reals, University of Denver
- Organizer (with José Mijares)   May 2014
  Ramsey Theory Conference, University of Denver, Colorado
- Member of the Organizing Committee for BLAST   August 2013
  Chapman University, Orange, California
- Organizer of AMS Western Sectional Special Session   April 2013
  in Set Theory and Boolean Algebras, University of Colorado - Boulder
- Member of the Organizing Committee   January 2012
  for the Association for Symbolic Logic Winter Meeting
- Member of the Organizing Committee for BLAST   June 2011
  University of Kansas
- Co-Organiser of the Maximally Informal Gathering (MIG)   2009 - 2016
  a Logic Seminar joint with Colorado State University, CU Boulder,
  and the University of Denver
- Co-Founder and Board Member of the BLAST conference series   2007 - present
- Co-Chair, Co-Organiser, and Co-PI for an NSF grant for BLAST 08
  A new international conference focusing on Boolean algebras, Logic, Lattices,
  Algebraic Logic, Universal Algebra, Set Theory, Set-theoretic Topology, and
  General and Point-free Topology

Thesis Committee Member

- Member of Dissertation Committee   2019
  for PhD candidate Lauren Nelson, University of Denver
- Member of Dissertation Committee   2016
  for PhD candidate Charles Scherer, CU Boulder
- Member of Dissertation Committee   2014
  for PhD candidate Timothy Trujillo, University of Denver
- Member of Dissertation Committee   2014
  for PhD candidate Kevin Selker, CU Boulder
- Member of Honor Thesis Committee   2012
  for undergraduate Patrick Walsh, for BS with honors,
  Department of Philisophy, University of Denver
- Member of Dissertation Committee   2011
  for PhD candidate Joshua Wiscons, CU Boulder

Invited Conference Lectures and Tutorials

Plenary (21), Tutorials (5), Semi-Plenary (3)

- CIRM, Luminy, France   September 2019
  15th International Workshop on Set Theory, Luminy, France
  Borel sets of Rado graphs have the Ramsey property

- Casa Matémática de Oaxaca, Oaxaca, Mexico   September 2019
  Some problems in the reverse mathematics of Ramsey theory

- AMS Fall Central Sectional, Madison, Wisconsin   September 2019
  Special Session in Topology and Descriptive Set Theory
  Borel partitions of a space of Rado graphs are Ramsey

- Midsummer Combinatorial Workshop, Prague, Čech Republic   July 2019
  Ramsey theory on infinite graphs

- Logic Fest in the Windy City (Tutorial)   May 2019
  Ramsey theory on trees and applications to infinite graphs

- 50 Years of Set Theory in Toronto (Plenary)   May 2019
  Strong coding trees and applications to Ramsey theory on infinite graphs

- Spring Topology and Dynamics Conference, Birmingham, Alabama   March 2019
  unable to attend due to a blizzard in Denver

- Arctic Set Theory Workshop 4, Kilpisjaervi, Finland   January 2019.
  Ramsey theory of the Henson graphs

- ASL Winter Meeting, Joint Mathematics Meetings, Baltimore (Plenary)   January 2019
  Ramsey theory of the Henson graphs

- University of Vienna (Tutorial)   January 2019
  Infinitary Ramsey Theory

- Unifying Themes in Ramsey Theory   November 2018
  Banff International Research Station
  Ramsey theory of the Henson graphs

- Generalised Baire Spaces, KNAW, Amsterdam   August 2018
  Perfect tree forcings for singular cardinals

- Ramsey Theory in Logic, Combinatorics, and Complexity   July 2018
  Bertinoro International Center for Informatics, Italy
  The Ramsey theory of the universal homogeneous triangle-free graph

- SETTOP, Novi Sad, Serbia (Plenary)   July 2018
  The Ramsey theory of the universal homogeneous triangle-free graph

- ASL North American Meeting, Special Session on Set Theory   May 2018
  The Ramsey theory of universal homogeneous k-clique-free graphs

- 52nd Spring Topology and Dynamical Systems Conference   March 2018
  Special Session on Set-theoretic Topology
  Applications of high dimensional Ellentuck spaces

- ASL-AMS Special Session on Logic and Ramsey Theory   January 2018
  Joint Mathematics Meetings, San Diego, CA
  The universal homogeneous triangle-free graph has finite big Ramsey degrees

- First Mexico/USA Logic Fest, Mexico City   January 2018
  Turned down due to conflict with ASL-AMS Session

- Institut Camille Jordan, University of Lyon 1, France (Plenary)   November 2017
  Workshop on Ultrafilters, Ramsey theory and dynamics
  Ramsey theory, trees, and ultrafilters

- CIRM, Luminy, France   November 2017
  14th International Workshop on Set Theory
  The universal triangle-free graph has finite big Ramsey degrees

- 2nd Pan Pacific International Conference on Topology and Applications   November 2017
  Busan, Republic of Korea
  Session on Set Theory
  Turned down due to teaching schedule.

- Colloquium, Mathematics Department, University of Connecticut   September 2017
  Semester on Logic
  The universal triangle-free graph has finite big Ramsey degrees

- BLAST, Vanderbilt University (Plenary)   August 2017
  The universal triangle-free graph has finite big Ramsey degrees

- Summer Topology Meeting, Dayton, OH   June 2017
  Special Session on Set-theoretic Topology
  Turned down due to conflict with HERS Institute

- Association for Symbolic Logic, Boise State University   March 2017
  Session on Set Theory and its Applications to Analysis and Topology
  The universal triangle-free graph has finite big Ramsey degrees

- Spring Topology and Dynamical Systems Conference,   March 2017
  New Jersey City University, Session on Set-theoretic Topology
  Banach spaces from high-dimensional Ellentuck spaces

- Arctic Set Theory III, Kilpisjärvi, Finland   January 2017
  On the finite big Ramsey degrees for the universal triangle-free graph: A progress report

- Seventh Indian Conference on Logic and its Applications (Plenary)   January 2017
  Indian Institute of Technology, Kanpur, India
  Ramsey theory on Trees and Applications

- Special Session: Women in Topology, JMM   January 2017
  Turned down due to conflict with ICLA in India

- Ramsey DocCourse, Prague, Čech Republic   December 2016
  The universal triangle-free graph (most likely) has finite big Ramsey degrees

- Workshop on Infinite Combinatorics and Forcing Theory (Tutorial)   November 2016
  Research Institute for Mathematical Sciences, Kyoto, Japan
  Tutorial - three 50-minute lectures
  Ramsey theory in forcing

- Applications of Set Theory to Topology   September 2016
  Casa Matematica de Oaxaca and Banff International Research Station
  Creature forcing and topological Ramsey spaces

- Boise Extravaganza in Set Theory (Plenary)   June 2016
  San Diego, CA
  Ramsey spaces coding universal triangle-free graphs and applications to Ramsey degrees

- Association for Symbolic Logic Winter Meeting (Plenary) January 2016
  Joint Mathematics Meeting, Seattle
  Inner topological Ramsey spaces

- 1st Pan Pacific International Conference on Topology and Applications November 2015
  Min Nan Normal University, Zhangzhou, China
  Tukey theory of ultrafilters

- The Emmy Noether Society, University of Cambridge , UK November 2015
  Canonical Ramsey theory

- 5th European Set Theory Conference (Plenary) August 2015
  Isaac Newton Institute, Cambridge, UK
  Infinite dimensional Ellentuck spaces

- Summer Topology Conference, Galway, Ireland (Semi-plenary) July 2015
  High dimensional Ellentuck spaces

- Spring Topology and Dynamics Conference, (Semi-plenary) May 2015
  Bowling Green State University, Special Session on Set Theoretic Topology
  Canonical cofinal maps on ultrafilters and properties inherited under Tukey reducibility

- Forcing and Its Applications Retrospective Workshop (Plenary) March 2015
  Fields Institute, Toronto, Canada
  High and higher dimensional Ellentuck spaces

- Arctic Set Theory II, Kilpisjärvi, Finland February 2015
  High and higher dimensional Ellentuck spaces and initial structures in
  the Rudin-Keisler and Tukey types of non-p-points

- Summer Topology Conference, CUNY Staten Island July 2014
  Session on Set-theoretic topology
  Turned down due to previously scheduled research stay in Vienna.

- Set Theory Workshop in Freiburg, Freiburg, Germany (Plenary) June 2014
  High dimensional Ellentuck spaces and initial chains in the Tukey types of
  non-p-points

- Association for Symbolic Logic North American Annual Meeting, May 2014
  Special Session in Honor of Rich Laver, University of Colorado - Boulder
  Some recent progress in Ramsey theory

- Spring Topology and Dynamics Conference, March 2014
  Session on Set-theoretic topology, University of Richmond, Virginia
  The initial Tukey structure below the generic ultrafilter forced by $\mathcal{P}(\omega \times \omega)/\mathrm{Fin}^{\otimes 2}$

- Oberwolfach Set Theory Workshop, Oberwolfach, Germany January 2014
  Progress in Ramsey theory

- Fourth European Set Theory Conference, Barcelona (Semi-plenary) July 2013
  General framework for topological Ramsey spaces and ultrafilters with partition
  properties

- Sy Friedman's 60th Birthday Conference, Vienna, Austria July 2013
  Sliders

- Association for Symbolic Logic North American Annual Meeting, May 2013
  Special Session on Set Theory, Waterloo, Canada
  Initial segments in of the Tukey hierarchy

- American Mathematical Society Spring Southeastern Sectional,   March 2013
  Special Session on Set Theory and Its Applications, Oxford, MS
  (Missed due to broken wrist)

- Arctic Set Theory, Kilpisjärvi, Finland   February 2013
  Ramsey theory and Tukey types

- Mathematical Logic and General Topology, Novi Sad, Serbia (Plenary)   September 2012
  Tukey types of ultrafilters

- 15th Latin American Symposium on Mathematical Logic, Bogota   June 2012
  Special Session on Set Theory
  The structure of the Tukey types of ultrafilters

- Joint Mathematics Meeting   January 2012
  Online Panelist for the Association for Women in Mathematics
  Panel on Coauthoring

- Third European Set Theory Conference, Edinburgh, Scotland (Plenary)   July 2011
  *Canonization theorems on Ramsey spaces and their application to the Tukey
  theory of ultrafilters*

- AMS, Sectional Meeting, UCLA   October 2010
  Special Session on Large Cardinals and the Continuum
  Structure theorems for Tukey types of ultrafilters

- ASL North American Annual Meeting, Washington DC
  Special Session on Set Theory   March 2010
  Tukey types of ultrafilters

- ISLA 2010, Hyderabad, India   January 2010
  Tukey types of ultrafilters

- BLAST 09, Las Cruces (Tutorial)   August 2009
  Set Theory and Boolean Algebras

- Université Paris VII, Logic Meeting, Paris   July 2009
  Tukey degrees of ultrafilters

- ESI Workshop on Large Cardinals and Descriptive Set Theory, Vienna   June 2009
  Tukey degrees of ultrafilters

- 2nd New York Women in Mathematics Conference, New York (Plenary)   May 2008
  The tree property

- First European Young Set Theory Meeting, Bonn, Germany (Plenary)   January 2008
  The tree property

- ASL North American Annual Meeting, Gainsville (Plenary)   March 2007
  Co-stationarity of the ground model

- DMV Annual Meeting: Special Session in Set Theory, Bonn   September 2006
  Co-stationarity of the ground model

- ASL European Summer Meeting: Special Session in Set Theory, Nijmegen   July 2006
  Co-stationarity of the ground model, internal consistency, and new sequences

- BEST, Boise (Plenary)   March 2006
  Co-stationarity of the ground model

- Oberwolfach Workshop on Set Theory, Oberwolfach, Germany   December 2005

Co-stationarity of the ground model

- AMS-DMV-OeMG Joint Meeting, Mainz   June 2005
  Special Session in Set Theory
  Stationary subsets of $\mathcal{P}_{\kappa^+}\lambda$ with respect to the ground model

- Joint Mathematics Meeting, Atlanta   January 2005
  ASL/AMS Special Session in Reverse Mathematics
  Almost everywhere domination

- Foundations of the Formal Sciences V, Bonn, Germany (Plenary)   November 2004
  Infintary games in Boolean algebras

- ASL Annual Meeting, Carnegie Mellon University   May 2004
  Special Session in Set Theory
  κ-stationary subsets of $\mathcal{P}_{\kappa}\lambda$ and relationships with infinitary distributive laws and related games in Boolean algebras

- MAMLS, Hofstra (Plenary)   March 2004
  Infinitary Games and Distributive Laws in Boolean algebras

- AWM Workshop for Women Graduate Students and Recent PhDs
  Joint Mathematics Meeting, Phoenix   January 2004
  Measurably dominating randomness: some measurable similarities between set theory and recursion theory regarding dominating functions

- MAMLS, Washington D.C. (Plenary)   April 2001
  Weak distributive laws in Boolean algebras and issues related to a problem of von Neumann

Invited Colloquium and Seminar Lectures

- Set Theory Seminar, Universidad de los Andes, Bogotá, Colombia   August 2019
  Tukey theory of ultrafilters

- Logic Seminar, University of Notre Dame, Indiana   March 2019
  Infinite dimensional Ramsey theory of the Rado graph

- Mathematics Colloquium, Miami University, Oxford, Ohio   February 2019
  Ramsey theory on the Henson graphs

- Logic Seminar, University of Florida   February 2019
  Ramsey theory on the Henson graphs

- Mathematics Colloquium, University of Florida   February 2019
  Ramsey theory on infinite graphs

- Analytic Topology Seminar, University of Oxford   January 2019
  Ramsey theory and infinite graphs

- KGRC, Vienna   January 2019
  Ramsey theory of the Henson graphs

- Centro de Ciencias Matematicas, Morelia, Mexico   December 2018
  The Halpern-Lauchli Theorem at uncountable cardinals

- Logic Seminar, University of Notre Dame, Indiana   September 2018
  Logic, Ramsey Theory, and Homogeneous Structures

- Logic Seminar, University of Illinois - Urbana Champaign   May 2018

Ramsey theory of the universal homogeneous k-clique graphs

- Logic Seminar, University of Illinois - Chicago .... April 2018
  The universal homogeneous triangle-free graph has finite big Ramsey degrees

- Mathematics Seminar, National University of Ireland, Galway .... December 2017
  The universal triangle-free graph has finite big Ramsey degrees

- Analytic Topology Seminar, University of Oxford, UK .... July 2017
  The universal triangle-free graph has finite big Ramsey degrees

- Logic and Combinatorics Seminars, Carnegie Mellon University .... June 2017
  The universal triangle-free graph has finite Ramsey degrees

- Logic Seminar, University of Illinois-Urbana Champaign .... March 2017
  The universal triangle-free graph has finite Ramsey degrees

- Model Theory Seminar, University of Leeds, UK .... January 2017
  The universal triangle-free graph has finite Ramsey degrees

- Centre de Recerca Matematica, Barcelona, Spain .... December 2016
  The universal triangle-free graph probably has finite Ramsey degrees

- Colloquium, Mathematics Department, Auburn University, AL .... April 2016
  Tukey theory of ultrafilters

- Analytic Topology Seminar, University of Oxford, UK .... December 2015
  On the Tukey theory of ultrafilters

- Mini-Workshop on Set Theory, Vienna, Austria .... February 2015
  Kurt Gödel Research Center for Mathematical Logic
  *High and higher dimensional Ellentuck spaces and initial structures in
  the Rudin-Keisler and Tukey types of non-p-points*

- University of Calgary Discrete Mathematics Lectures .... February 2014
  *Ramsey theory and initial structures in the Tukey types of p-points,
  Parts 1 and 2*

- CUNY Set Theory Seminar, New York .... October 2013
  Survey on the Tukey theory of ultrafilters

- University of Wisconsin - Madison Logic Seminar .... October 2013
  Survey on the Tukey theory of ultrafilters

- University of Colorado at Boulder Logic Seminar .... October 2013
  Survey on the Tukey theory of ultrafilters

- CUNY Logic Seminar, New York .... December 2012
  Ramsey theory and Tukey types of ultrafilters

- University of Toronto, Women in Math Colloquium .... September 2012
  Tukey types of ultrafilters

- Fields Institute Set Theory Seminar, Toronto .... August 2012
  *Ramsey-classification theorems and their applications in the
  Tukey theory of ultrafilters*

- CU Boulder Logic Seminar .... April 2010
  The current status of Tukey types of ultrafilters

- MIG 4, Boulder .... April 2010

Further understanding of Tukey types of ultrafilters

- California Institute of Technology, Logic Seminar
  Tukey degrees of ultrafilters

  January 2010

- MIG 1, Boulder
  Current status of work on Tukey degrees of ultrafilters

  October 2009

- University of Wisconsin, Logic Seminar
  Tukey degrees of ultrafilters

  April 2009

- Fields Institute, Set Theory Seminar
  Tukey degrees of ultrafilters

  March 2009

- Université Paris VII, Logic Seminar
  The tree property

  December 2008

- Fields Institute, Set Theory Seminar
  The tree property at the double successor of a measurable

  February 2008

- ICREA, Barcelona
  κ-stationary sets and distributive laws in Boolean algebras

  March 2005

- Chatham College Science Seminar
  Almost everywhere domination

  November 2003

- Carnegie Mellon Mathematical Logic Seminar
  The hyper-weak distributive law and related infinitary games in Boolean algebras

  November 2003

- Center for Theoretical Studies, Prague
  Distributive laws, games, and $\geq \nu$-club sets

  August 2003

- Dartmouth Math Colloquia
  Infinitary games in Boolean algebras and related forcing properties

  May 2003

- MIT Logic Seminar
  General infinitary distributive laws and related games in Boolean algebras

  April 2003

- CUNY Logic Workshop
  Infinitary games in Boolean algebras and related forcing properties

  March 2003

- Carnegie Mellon Mathematical Logic Seminar
  General infinitary distributive laws and related games in Boolean algebras

  October 2002

- The Academy of Sciences of the Czech Republic, Prague
  Generalized distributive laws and games in Boolean algebras

  August 2002

- Pennsylvania State University Mathematical Logic Seminar
  A complete embedding of the Cohen algebra into the Argyros algebra

  April 2001

Contributed Talks

- British Combinatorial Conference, Birmingham, UK
  Ramsey theory on infinite graphs

  July 2019

- ASL North American Annual Meeting, CUNY, New York
  Borel subsets of Rado graphs are Ramsey

  May 2019

- BLAST 2018, University of Denver
  Perfect tree forcings for singular cardinals

  August 2018

- 5th European Set Theory Meeting, Budapest, Hungary   2017
  Forcing in Ramsey Theory

- Logic Colloquium, Leeds, UK   July 2016
  Rainbow Ramsey simple structures

- Toposym, Prague, Čech Republic   July 2016
  Creature forcing and topological Ramsey spaces

- BLAST, University of North Texas   June 2015
  Continuous and other finitely generated canonical cofinal maps on ultrafilters

- ASL European Summer Meeting, Vienna   July 2014
  Generalized Ellentuck spaces and initial Tukey chains of non-p-points

- Ramsey Theory Conference, University of Denver   May 2014
  Boolean algebras as initial structures in the Tukey types of p-points

- BLAST 2013, Orange CA   August 2013
  *General framework for topological Ramsey spaces, canonization theorems, and
  Tukey types of ultrafilters with weak partition properties*

- Erdős Centennary Conference, Budapest   July 2013
  *Ramsey-classification theorems and applications in the Tukey theory of
  ultrafilters (poster)*

- Czech Winter School in Abstract Analysis, Prague   February 2012
  Ramsey-classification theorems and Tukey types

- Infinite and Finite Sets, Hajnal's 80th Birthday Conference   June 2011
  Budapest
  *Canonization theorems on Ramsey spaces and their application to the Tukey
  theory of ultrafilters*

- BLAST, Lawrence   June 2011
  *Canonization theorems on Ramsey spaces and their application to the Tukey
  theory of ultrafilters*

- ASL European Summer Meeting, Paris   July 2010
  Continuous cofinal maps on ultrafilters

- BEST, Boise   March 2010
  Tukey types of ultrafilters

- Kunen Fest, University of Wisconsin   April 2009
  Tukey degrees of ultrafilters

- BLAST 08, Denver   August 2008
  The tree property

- ASL European Meeting, Bern   July 2008
  Homogeneous iteration and measure-one covering relative to HOD

- Advances in Set-theoretic Topology, Erice   June 2008
  The tree property

- Joint Mathematics Meetings, New Orleans   January 2007
  Coding a new countable-length sequence

- Toposym, Prague   August 2006
  Boolean algebras and co-stationarity of the ground model

- Selection Principals in Mathematics Workshop, Boise   March 2006
  A More ubiquitous undetermined uncountable length game

- Joint Mathematics Meetings, ASL Session, San Antonio   January 2006
  Co-stationarity of the ground model

- Workshop on Games and Selection Principals in Topology, Lecce
  More on undetermined uncountable-length games   December 2005

- Logic in Hungary, Budapest   August 2005
  Co-stationarity of the ground model

- ASL European Summer Meeting, Athens   July 2005
  κ-stationary subsets of $\mathcal{P}_{\kappa^+}\lambda$

- Prague Winter School in Abstract Analysis, Bohemia   February 2005
  κ-stationary sets

- ASL European Summer Meeting, Torino   July 2004
  Almost everywhere domination

- ASL European Summer Meeting, Helsinki   August 2003
  A very weak distributive law and a related game in Boolean algebras

- ASL Annual Meeting, Chicago   June 2003
  A very weak distributive law and a related game in Boolean algebras

- BEST, Boise   March 2003
  A very weak distributive law and a related game in Boolean algebras

- BEST, Boise   March 2002
  Complete embeddings of the Cohen algebra

- ASL European Summer Meeting, Vienna   August 2001
  Complete embeddings of the Cohen algebra into three complete, atomless, c.c.c. Boolean algebras

- ASL Meeting, Minneapolis   May 2001
  A complete embedding of the Cohen algebra into the Galvin-Hajnal algebra

Service

Professional Committees and Service

- Association for Symbolic Logic   2018 - present
  Chair of the Committee for Logic in North America

- Association for Symbolic Logic   2014 - 2017
  Member of the Committee for Logic in North America

- Association for Symbolic Logic   2014 - 2017
  Web Advisory Committee Member

- Association for Women in Mathematics Panelist   2012
  at the Joint Mathematics Meetings

- Frequent Conference Organizer and Program Committee Member (see pages 2 and 5)

Grant Reviewer

- Panelist for National Science Foundation   2017 - 2018

- Reviewer for NSF Grant Applications (2)   2015

- Reviewer for the DU PROF research grants   2013

- Reviewer for NSF Grant Applications (2)   2010

- Reviewer for CUNY Grant Applications (2)   2010

Frequent Referee for the following journals

Annals of Pure and Applied Logic
Archive for Mathematical Logic
Commentationes Mathematicae Universitatis Carolinae
Discrete Mathematics
Fundamenta Mathematicae
Journal of Mathematical Logic
Journal of Symbolic Logic
Mathematical Logic Quarterly
Proceedings of the American Mathematical Society
Topology and Its Applications
Transactions of the American Mathematical Society

Current Service at the University of Denver

- Member of Search Committee for 2 Teaching Professors   2018 - 2019

- Member of Promotion and Tenure Committee   2018 - 2019

- Chair of Committee on Research Center   2018 - 2019

- AWM Faculty Co-sponsor   2016 - present
  Sponsor our new student chapter of the Association for Women in Mathematics

- Math Department Graduate Student Professionalism and   2015 - present
  Inclusive Excellence Training

Initiated, fielded the development of, and presented the training session
for the graduate students in the Deparment of Math,
and continue developing ways to train our graduate students

- Graduate Student Women in Math Mentoring Coordinator   2012 - present
- Math Women Lunches Coordinator   2011 - present
- Graduate Committee Member, Math Department   2009 - present
- Faculty Advisor to undergraduate students   2008 - present
  Currently 10 undergraduates.
- Faculty Advisor to graduate students   2008 - present
  Currently 4 graduate students.

Past Service at the University of Denver

- Member, Math Dept. Promotion Committee, Full Professor   2017 - 2018
- Member, Math Dept. Promotion Committee, Assoc. Teaching Professor   2017 - 2018
- Member, Math Dept. Postdoc Hiring Committee   2017 - 2018
- Member of Math Department Hiring Committee   2016 - 2017
  for one Tenure-track Assistant Professor Position   2016 - 2017
- Member of Math Department Tenure Review Committee   2016 - 2017
- Member of Math Department Pre-tenure Review Committee   2016 - 2017
- Chair, Math Department Hiring Committee   2015 - 2016
  for two Teaching Assistant Professor Positions
- Member of Tenure and Promotion Committee   2015 - 2016
  Math Department
- Member of Pre-Tenure Review Committee   2015 - 2016
  Math Department
- NSM Faculty Representative for the Internationalization Counsel   2014 - 2016
- Participated in the NSM Winter Streaming Conversations   2015
  Status of Women Study, with Dr. Shelly Smith-Acuna
- Faculty Adviser and Organizer   2008 - 2014
  for the DU Graduate Student Seminar / Colloquium
- Chair of Hiring Committee for Math Deparment Lecturers   2014
- PROF Grant Committee Member   2013
- Pre-tenure Review Committee Member, Math Department   2012
- Teaching Load Committee Member, Math Department   2012
- Tenure Review Committee Member, Math Department   2012
- Member of Hiring Committee for a Lecturer, Math Department   2012
- Graduate Student Mentoring Committee, Committee Chair   2011 - 2012
- Pre-tenure Review Committee Member, Math Department   2011

- Member of the Search Committee for a new faculty, Math Department   2010 - 2013
- Scholarship Committee for Incoming Mathematics Majors   Spring 2009
- Faculty Adviser to 14 first-year students   2008 - 2009
- Independent Study Adviser
  Spring 2008, Autumn 2008, Spring 2009, Autumn 2009

SERVICE AT THE PENNSYLVANIA STATE UNIVERSITY

- Penn State Logic Seminar Coordinator   Fall 2002 - Spring 2004
- Climate and Diversity Committee Member   Fall 2002 - Spring 2004
- Women in Mathematics (WIM) Board member   Spring 2003 - Spring 2004

Teaching

Courses Taught at the University of Denver

MATH 4705 − Ramsey Theory and Set Theory	Spring 2019
MATH 1150 − Perspectives in Art	Spring 2019
MATH 4995 − Independent Study in Set Theory (Course for 1 graduate student)	Winter 2019
MATH 3050 − Set Theory	Autumn 2018
MATH 1951 − Calculus I	Autumn 2018
MATH 4995 − Independent Study in Infinitary Ramsey Theory (Course for 3 graduate students)	Winter 2018
MATH 1150 − Perspectives in Art (2 sections)	Winter 2018
MATH 1951 − Calculus I	Autumn 2017
MATH 4050 − Combinatorial Set Theory	Spring 2017
MATH 1150 − Perspectives in Art	Spring 2017
MATH 3050 − Set Theory	Autumn 2016
MATH 1951 − Calculus I	Autumn 2016
MATH 1150 − Perspectives in Art (2 sections)	Spring 2016
MATH 3162 − Intro to Real Analysis II	Winter 2016
MATH 1952 − Calculus II (2 sections)	Winter 2016
MATH 4050 − Combinatorial Set Theory	Spring 2015
MATH 1150 − Perspectives in Art	Spring 2015
MATH 3050 − Set Theory	Autumn 2014
MATH 1951 − Calculus I	Autumn 2014
MATH 1150 − Perspectives in Art	Spring 2014
MATH 1150 − Perspectives in Art (2 sections)	Spring 2013
MATH 3060/4260 − Metric Spaces	Winter 2013
MATH 1952 − Calculus II (2 sections)	Winter 2013
MATH 4705 − Descriptive Set Theory (graduate level)	Spring 2012
MATH 1150 − Perspectives in Art (2 sections)	Spring 2012
MATH 1951 − Calculus I	Autumn 2011
MATH 3050 − Set Theory	Autumn 2011

MATH 4995 − Independent Research   Autumn 2011

MATH 4300 − Graduate Student Seminar   Autumn 2011

MATH 1150 − Perspectives in Art   Spring 2011 (2 sections)

MATH 4991 − Independent Study: Multiple Forcing   Spring 2011

MATH 4995 − Independent Research   Spring 2011

MATH 4300 − Graduate Student Seminar   Spring 2011

MATH 3060 − Mathematical Logic   Winter 2011

MATH 4991 − Independent Study   Winter 2011

MATH 4995 − Independent Research   Winter 2011

MATH 4300 − Graduate Student Seminar   Winter 2011

MATH 1951 − Calculus I (2 sections)   Autumn 2010

MATH 4995 − Independent Research: Ultraproducts   Autumn 2010

MATH 4300 − Graduate Student Seminar   Autumn 2010

MATH 1953 − Calculus III (2 sections)   Spring 2010

MATH 4300 − Graduate Student Seminar   Spring 2010

MATH 4300 − Graduate Student Seminar   Winter 2010

MATC 1150 − Perpectives in Art   Autumn 2009

MATH 4705 − Advanced Set Theory   Autumn 2009

MATH 3991 − Independent Study: Topics in Set Theory   Autumn 2009

MATH 4300 − Graduate Student Seminar   Autumn 2009

MATH 1952 − Calculus II   Spring 2009

MATH 1150 − Perspectives in Art   Spring 2009

MATH 4991 − Independent Study: Ultrafilters   Spring 2009

MATH 4300 − Graduate Seminar   Spring 2009

MATH 1952 − Calculus II   Winter 2009

MATH 4300 − Graduate Seminar   Winter 2009

FSEM 1111 − Connections: Mathematics in Art, Literature, and Music   Autumn 2008

MATH 3050 − Set Theory   Autumn 2008

MATH 4991 − Independent Study: Set Theory   Autumn 2008

MATH-4300 − Graduate Seminar   Autumn 2008

MATC 1150 − Mathematics in Art and Music   Spring 2008

MATH 3705/4705 − Topics in Mathematics: Group Theory	Spring 2008
MATH 4991 − Independent Study: Boolean Algebra	Spring 2008
MATH 1951 − Calculus 1	Autumn 2007
MATH 3705/4705 − Topics in Mathematics: Logic	Autumn 2007

TEACHING PRIOR TO TEACHING AT THE UNIVERSITY OF DENVER

The Pennsylvania State University (Fall 2001 - Spring 2004)

- **Lecturer**
  - Math 401: Introduction to Analysis I — Spring 2004
  - Math 496: Independent Studies (Set Theory) — Spring 2004
  - Math 429: Introduction to Topology — Fall 2003
  - Math 557: Mathematical Logic (graduate level) — Fall 2002
  - Math 457: Introduction to Mathematical Logic — Fall 2002
  - Math 459: Computability and Unsolvability — Spring 2002
  - Math 250: Ordinary Differential Equations — Fall 2001

University of Minnesota (Fall 1996 - Spring 2001)

- **Teaching Assistant** for the Institute of Technology — 2000 - Spring 2001
  - Calculus II — *Conducted recitation sessions and supervised group projects.*
  - Multivariable Calculus — *Conducted recitation sessions and computer laboratory sessions using Mathematica.*

- **Teaching Assistant** for the School of Mathematics — 1996 - 1999
  Conducted recitation sessions for the following courses:
  - Precalculus I and II
  - Calculus I and II
  - Multivariable Calculus
  - Short Calculus (for business majors)

- **Teaching Assistant Trainer** — 1998, 1999
  Trained new graduate students in teaching strategies and presentation skills.

- **Tutor** — 1996 - 1998, Spring 2000
  for the Institute of Technology Tutoring Center.

Teaching Awards / Honors

- Faculty Escort for the Student Marshal for Penn State's
  Eberly College of Science   December 2003

- Outstanding Teaching Award   May 2001
  University of Minnesota, Department of Mathematics

Teaching Enrichment

- Participant, Inclusive Teaching in STEM Workshops   2017

- Participant, DU Inclusive Excellence Seminar   2014

- Participated in DU Math Department Teaching Excellence Initiative   2013

- Participated in the Provost's Conference   October 2009
  Mental Health on Campus

- Attended CTL Coffee Break   Spring 2009
  Millennials Part II: What the Students Say

- Worked with staff from Writing Center   Autumn 2008
  to develop course materials on works of Jorge Borges for FSEM

- Learned *Scientific Notebook* for Calculus labs   Autumn 2007

- Allegheny Section NExT participating member   Spring 2002 - Spring 2004
  New Experiences in Teaching, sponsored by the MAA

- Mathematica   Fall 2000, Spring 2001
  Used Mathematica to conduct computer labs for Multivariable Calculus.

Memberships in Mathematical Organizations

- The American Mathematical Society (AMS)

- Association for Symbolic Logic (ASL)

- Association for Women in Mathematics (AWM)

- European Set Theory Society (ESTS)

- The Mathematical Association of America (MAA)