Curriculum Vitae

for Christian Rosendal

Personal data:

Full name: Christian Rosendal

Phone number: 773 537 5184

Email address: rosendal.math@gmail.com

Web page: homepages.math.uic.edu/∼rosendal

Employment history:

- Professor, University of Illinois at Chicago, Chicago, Illinois, USA, since August 2014.
- Visiting Professor, University of Maryland, College Park, Maryland, USA, August 2016–June 2018.
- Associate professor, University of Illinois at Chicago, Chicago, Illinois, USA, August 2010–August 2014.
- Assistant professor, University of Illinois at Chicago, Chicago, Illinois, USA, August 2008–August 2010.
- Assistant professor (tenure track), University of Illinois at Urbana-Champaign, Urbana, Illinois, USA, August 2005–August 2008.
- Harry Bateman Research Instructor, Caltech, Pasadena, California, USA, October 2003–August 2005.
- Allocataire de Recherche - Moniteur, Rectorat de Paris, Paris, France, October 2000–September 2003.

Diplomas obtained:

- Doctorate of Mathematics, Université Paris 6, Pierre et Marie Curie, France (June 2003) under the direction of Alain Louveau, Directeur de Recherche, CNRS.
- Cand. Scient. (Master) of Mathematics at the University of Oslo, Norway, (February 2002).
- Diplôme d'Études Approfondies (Master) of Logic and the Foundations of Computer Science at Université Paris 7, Dennis Diderot, France (July 2000). Mention Très Bien.

Studies:

- 2000-2003: Doctoral studies in the Équipe d'Analyse Fonctionnelle, Université Paris 6, Pierre et Marie Curie, France.
- 1999-2000: Diplôme d'Études Approfondies in Logic and the Foundations of Computer Science at Université Paris 7, Dennis Diderot, France.

- 1996-1999: Undergraduate studies of Philosophy and Mathematics at the University of Oslo, Norway.
- 1994-1996: Undergraduate studies of Philosophy and Mathematics at the University of Copenhagen, Denmark.

EDITORIAL WORK:

- Editor for Ph. D. abstracts, Bulletin of Symbolic Logic, since 2017.

FELLOWSHIPS:

- Simons Foundation Fellowship #229959 (*Applications of descriptive set theory to functional analysis*), 2012-13. $86,131.

US NATIONAL SCIENCE FOUNDATION GRANTS:

- PI on NSF Grant DMS 1764247 (*Coarse geometry of topological groups*, individual research grant), June 1st, 2018 – May 31st, 2021. $239,905.
- co-PI on NSF Grant DMS 1800263 (*Descriptive Set Theory And Polish Groups at the Bernoulli Center, EPFL: support for US participants*, conference grant), January - June 2018. $48,800.
- co-PI on NSF Grant DMS 1613386 (*Prague Topology Symposium*, conference grant), March 2016. $30,000.
- PI on NSF Grant DMS 1464974 (*Large scale geometry of Polish groups*, individual research grant), June 1st, 2015 – May 31st, 2018. $299,820.
- PI on NSF Grant DMS 1201295 (*Descriptive set theory and its relations with functional and harmonic analysis*, individual research grant), May 15th, 2012 – April 30th, 2015. $317,552.
- PI on NSF Grant DMS 0901405 (*Applications of descriptive set theory to functional analysis and topological dynamics*, individual research grant), June 1, 2009 – May 31, 2012. $212,861.
- PI on NSF Grant DMS 0556368 (*The set theory of Polish groups*, individual research grant), May 15th, 2006 – April 30th, 2009. $121,227.

SCHOLARSHIPS:

- Scholarship of the Fields Institute of the Mathematical Sciences (2002).
- Knud Højgaard's Foundation (2001).
- The Oticon Foundation, twice, (2001) and (2002).
- Scholarship of the University of Oslo (1998).

Shorter visiting appointments:

- Visiting professor, Universidade de São Paulo, Brazil, November 2012, invited by Prof. V. Ferenczi and Fundação de Amporo à Pesquisa do Estado de São Paulo (FAPESP).
- Visiting professor, Universidade de São Paulo, Brazil, May-June 2009, invited by Prof. V. Ferenczi and Fundação de Amporo à Pesquisa do Estado de São Paulo (FAPESP).
- Visiting professor, Universidade de São Paulo, Brazil, May-June 2007, invited by Prof. E. M. Galego and Fundação de Amporo à Pesquisa do Estado de São Paulo (FAPESP).
- Visiting graduate student at The Fields Institute of the Mathematical Sciences, Toronto, Canada. Three months stay during the thematic year on Set theory and Analysis, autumn 2002.

Languages:

- Danish, English, French (fluent), German, Catalan (basic reading, oral comprehension and conversational speaking).

Ph.D. supervision:

- Current Ph.D. advisor to William Herndon (co-advised by Daniel Groves).
- Bruno de Mendonça Braga, Ph.D. obtained Spring 2017, UIC. First job after Ph.D.: Simons Foundation Post-doc at York University, Toronto, Ontario, Canada.
- Joseph Zielinski, Ph.D. obtained Spring 2016, UIC. First job after Ph.D.: Post-doc at Carnegie Mellon University.
- Phillip Wesolek, Ph.D. obtained Spring 2014, UIC. First job after Ph.D.: Post-doc at Université catholique de Louvain, Belgium.
- Konstantin Slutsky, Ph.D. obtained Spring 2012, UIUC. First job after Ph.D.: Post-doc at University of Copenhagen, Denmark.

Conference organisation:

- Organiser (with J. Moore and T. Tsankov) of the semester long thematic program on Descriptive Set Theory and Polish Groups, Bernoulli Center, Lausanne, Switzerland, January-June 2018.
- Head of the program committee of the ASL meeting at the National meeting of the AMS, Atlanta, Georgia, 2017.
- Organiser (with P.-E. Caprace, J. Melleray and S. Todorcevic) of the workshop 'Structure and geometry of Polish groups', CMA, Oaxaca, Mexico, June 2017.
- Organiser (with A. S. Kechris) of a special session on 'Descriptive Set Theory and its Applications' at the Sectional meeting of the AMS, Salt Lake City, Utah, 2016.
- Organiser (with A. S. Kechris) of a special session on 'Descriptive Set Theory and its Applications' at the Sectional meeting of the AMS, Albuquerque, New Mexico, 2014.

- Organiser (with S. Solecki) of a special session on 'Set Theory and its Applications' at the Sectional meeting of the AMS, Oxford, Mississippi, 2013.
- Organiser (with E. Schimmerling) of 'Appalachian Set Theory Meeting', UIC, October 2011.
- Organiser (with S. Todorcevic) of a special session on 'Set Theory and Banach Spaces' at the National meeting of the AMS, San Diego, California, 2008.
- Member of the program committee of the ASL meeting at the National meeting of the AMS, San Diego, California, 2008.

RESEARCH ADMINISTRATION AND GRANT REPORTING FOR:

- Panel member at the US National Science Foundation in 2017, 2016, 2014 and 2010.
- ANR - Agence Nationale de la Recherche (French national research council).
- CNRS - Centre National de Recherche Scientifique (French national research centre).
- DFG - Deutsche Forschungsgemeinschaft (German research foundation).
- Fonds de recherche du Québec.
- Fonds Wetenschappelijk Onderzoek (Research Foundation - Flanders, Belgium).
- FCT - Fundaçaõ para a Ciência e a Tecnologia (Portuguese Research Foundation).
- FWF - Austrian Science Fund.
- Israel Science Foundation.
- Marsden Fund (of the Royal Society of New Zealand).
- NSA Mathematical Sciences Grant Program.
- NSERC - Natural Sciences and Engineering Research Council of Canada.
- US National Science Foundation grant proposals, areas: Analysis, Foundations.
- Polish National Science Centre.

RECENT SERVICE TO COLLEGE AND DEPARTMENT AT UIC:

- (2018-19) Elected member of Executive Committee of the College of Liberal Arts and Sciences (2 year term), Head of Post-doctoral Search Committee.
- (2015-16) Faculty Senator; Head of Departmental Advisory Committee; Head of Departmental Salary Committee; Personel Committee X; Personel Review Committee; Master exam writer.
- (2014-15) Faculty Senator; Departmental Advisory Committee; Faculty Search Committee; Personel Review Committee; Logic prelim exam writer; Master exam writer.
- (2013-14) Faculty Senator; Faculty Search committee; Salary Committee: Admissions, Fellowships, and Assistantships committee; Personel Review Committee; Master exam writer.
- (2012-13) Logic prelim exam writer.
- (2011-12) Faculty Search Committee; Math 181 coordinator; Colloquium organiser; Calculus Committee; Admissions, Fellowships, Assistantships Committee; Logic prelim exam writer; Master exam writer.

- (2010-11) Departmental Advisory Committee; 300 level Math Curriculum Committee; Admissions, Fellowships, and Assistantships committee; Logic prelim exam writer; Master exam writer.
- (2009-10) Departmental Advisory Committee; Faculty Search Committee; Graduate Studies Committee; Logic prelim exam writer; Master exam writer.

INVITED WORKSHOP PARTICIPATION WITHOUT LECTURES:

- Non-positive curvature, isometric actions, and dynamics of cocycles, Cajón del Maipo, Chile, May 2013.
- Workshop on Set theory and C*-algebras, American Institute of Mathematics, January 2012.
- Workshop on Model theory for metric structures, American Institute of Mathematics, September 2006.

RECENT TEACHING:

- Calculus III, MATH 210, Fall 2018, UIC.
- Mathematical Logic II, MATH 713, Spring 2018, UMD.
- Introduction to Dynamics and Chaos, MATH 452, Fall 2017, UMD.
- Calculus III, MATH 241, Fall 2017, UMD.
- Calculus I, MATH 140, Spring 2017, UMD.
- Advanced Calculus I, MATH 410, Spring 2017, UMD.
- Calculus III - Honors, MATH 241H, Fall 2016, UMD.
- Advanced Calculus I, MATH 410, Fall 2016, UMD.
- Introduction to Advanced Mathematics, MATH 215, Spring 2016, UIC.
- Applied Linear Algebra, MATH 310, Spring 2016, UIC.
- Complex Analysis, MATH 417, Spring 2015, UIC.
- Abstract Algebra, MATH 330, Spring 2015, UIC.
- Descriptive Set Theory, MATH 511, Spring 2015, UIC.
- Abstract Algebra, MATH 330, Spring 2014, UIC.
- Linear Algebra II, MATH 425, Spring 2014, UIC.
- Descriptive Set Theory, MATH 511, Spring 2012, UIC.
- Metamathematics I, MATH 502, Fall 2011, UIC.
- Calculus II, MATH 181, Fall 2011, UIC.
- Set Theory, MATH 504, Fall 2010, UIC.

REPORTS FOR THE FOLLOWING JOURNALS:

- Adv. Math.
- Annales Sci. de l'ÉNS
- Annales Henri Lebesgue
- Annals Math.
- Amer. Math. Monthly
- Ann. Pure Appl. Logic

- Arkiv der Mathematik
- Bull. Lond. Math. Soc.
- Comm. Contemp. Math.
- Compositio Math.
- Ergodic Theory Dynam. Systems
- Extracta Math.
- Fund. Math.
- Groups Geom. Dyn.
- Houston J. Math.
- Invent. Math.
- Israel J. Math.
- J. Algebra
- J. Amer. Math. Soc.
- J. Combin. Theory Ser. A
- J. Eur. Math. Soc. (JEMS)
- J. Funct. Anal.
- J. Lond. Math. Soc.
- J. Number Theory
- J. Pure Appl. Algebra
- J. Symbolic Logic
- Log. Methods Comput. Sci.
- Math. Logic Quart.
- Math. Proc. Cambridge Philos. Soc.
- Notices Amer. Math. Soc.
- Proc. Amer. Math. Soc.
- Proc. Lond. Math. Soc.
- Publications mathématiques de l'IHÉS
- Real Analysis Exchange
- Topology Appl.
- Trans. Amer. Math. Soc.
- Various conference proceedings.