

ELNUR EMRAH

CONTACT INFORMATION	Department of Mathematical Sciences Carnegie Mellon University Pittsburgh, PA 15213 eemrah@andrew.cmu.edu http://math.cmu.edu/~eemrah
EDUCATION	University of Wisconsin–Madison, Madison, WI Ph.D. in Mathematics, July, 2010–August, 2016 Advisor: Timo Seppäläinen Bilkent University, Ankara, Turkey B.S. in Computer Engineering, July, 2004–August, 2009 University of California, San Diego, La Jolla, CA Education Abroad Experience, September, 2008–June, 2009
EMPLOYMENT	Postdoctoral associate, Carnegie Mellon University, Pittsburgh, PA, Fall 2016– Research assistant, University of Wisconsin–Madison, Madison, WI, Springs 2014–2016 Teaching assistant, University of Wisconsin–Madison, Madison, WI, all semesters except Springs 2014–2016 Summer intern, École polytechnique fédérale de Lausanne, Lausanne, Switzerland, Summer Research Program, July, 2008–September, 2008 Summer intern, iFountain, LLC, Bilkent Cyberpark, Ankara, Turkey, June, 2007–August, 2007
RESEARCH INTERESTS	Discrete probability, interacting particle systems, integrable probability, large deviation theory.
THESIS	<i>Limit shape and fluctuations for exactly solvable inhomogeneous corner growth models.</i> arXiv:1612.08521, 2016.
PUBLICATIONS	<i>Large deviations for some corner growth models with inhomogeneity</i> with C. Janjigian. Markov Process. Related Fields, 23(2):267–312, 2017. arXiv:1509.02234 <i>Limit shapes for inhomogeneous corner growth models with exponential and geometric weights.</i> Electron. Commun. Probab., 21:16 pp., 2016. arXiv:1502.06986
EXPOSITORY ARTICLES	<i>Fluctuations of the corner growth model with geometric weights</i> , http://math.cmu.edu/~eemrah/CGM_TW.pdf
INVITED TALKS	<i>Busemann limits for a corner growth model with deterministic inhomogeneity</i> , Stochastics Seminar at University of Utah, Salt Lake City, UT, March 16, 2018

Busemann limits for a corner growth model with deterministic inhomogeneity, Probability Seminar at University of Wisconsin–Madison, Madison, WI, March 8, 2018

Tracy–Widom fluctuations for the corner growth model with inhomogeneous geometric weights, Probability Seminar at Purdue University, West Lafayette, IN, November 29, 2016

Large deviations for some corner growth models with inhomogeneity with C. Janjigian, AMS Special Session on Discrete Probability, Spring Central Sectional Meeting, North Dakota State University, Fargo, ND, April 16–17, 2016

The shape functions of certain exactly solvable inhomogeneous planar corner growth models, Probability Seminar at Purdue University, West Lafayette, IN, April 30, 2015

The shape functions of certain exactly solvable inhomogeneous planar corner growth models, Probability Seminar at University of Wisconsin–Madison, Madison, WI, April 9, 2015

The shape functions of certain exactly solvable inhomogeneous planar corner growth models, Probability Seminar at University of Bonn, Bonn, Germany, January 29, 2015

CONTRIBUTED
TALKS

Corner growth models with deterministic inhomogeneity, Finger Lakes Probability Seminar, University of Rochester, Rochester, NY, April 20–21, 2018

Tracy–Widom fluctuations for an inhomogeneous corner growth model, Frontier Probability Days, University of Utah, Salt Lake City, UT, May 9–11, 2016

Large deviations for some corner growth models with inhomogeneity with C. Janjigian, poster session at L'École de physique des Houches, Les Houches, France, July 9, 2015

The shape functions of certain exactly solvable inhomogeneous planar corner growth models, CMI Workshop on Random Polymers and Algebraic Combinatorics, Oxford University, Oxford, UK, May 25–29, 2015

PARTICIPATED
CONFERENCES AND
WORKSHOPS

Summer school on Stochastic Processes and Random Matrices, L'École de physique des Houches, Les Houches, France, July 6–31, 2015

CMI Workshop on Random Polymers and Algebraic Combinatorics, Oxford University, Oxford, UK, May 25–29, 2015

10th Cornell Probability Summer School, Cornell University, Ithaca, NY, July 14–25, 2014

36th Midwest Probability Colloquium, Northwestern University, Evanston, IL, October 10–12, 2014

9th Cornell Probability Summer School, Cornell University, Ithaca, NY, July 15–26, 2013

35th Midwest Probability Colloquium, Northwestern University, Evanston, IL, October 11–13, 2013

HONORS AND
AWARDS

Research Excellence Award of Department of Mathematics, University of Wisconsin–

Madison, Madison, WI, October 7, 2015.

Graduate Fellowship, University of Bonn, Bonn, Germany, January 5, 2015–February 27, 2015, supervisor: Patrik Ferrari

Honored Instructor Award of University Housing, University of Wisconsin–Madison, Madison, WI, Fall 2012

Provost honor, University of California, San Diego, La Jolla, CA, Winter 2009 and Spring 2009

Bilkent University Scholarship, September, 2004–June, 2009

TÜBİTAK Scholarship, September, 2004–June, 2009

High honor, Bilkent University, Ankara, Turkey, Fall 2004–Spring 2008

Bronze medal, International Mathematical Olympiad, Athens, Greece, July, 2004

Silver medal, Balkan Mathematical Olympiad, Pleven, Bulgaria. May, 2004

Gold medal, Silk Road Mathematics Competition, Ankara, Turkey, April, 2004

Silver medal, Mediterranean Mathematics Competition, Ankara, Turkey. April, 2004

Gold medal and Fikri Gökdal prize, National Mathematical Olympiad, Ankara, Turkey. December, 2003

TEACHING

Instructor, Carnegie Mellon University, Pittsburgh, PA

21–325, Probability, Fall 2016

21–355, Real Analysis I, Spring 2017

21–370, Discrete Time Finance, Fall 2017

21–111, Differential Calculus, Spring 2018

Teaching assistant, University of Wisconsin–Madison, Madison, WI

Math 171, Calculus with Algebra and Trigonometry, Fall 2011, Fall 2015

Math 222, Calculus and Analytic Geometry, Fall 2010, Spring 2011, Spring 2012,

Math 234, Calculus: Functions of Several Variables, Fall 2012, Spring 2013, Fall 2014

Math 340, Elementary Matrix and Linear Algebra, Fall 2013