

## Chaya Norton

---

CONTACT INFORMATION	email: chaya.norton@concordia.ca phone: 514.848.2424 ext 3246	Concordia University Mathematics & Statistics LB 901.18 1400 de Maisonneuve Blvd W Montreal, QC H3G 1M8
CITIZENSHIP	United States of America	
RESEARCH INTERESTS	Holomorphic differentials. Differentials with Real periods. Geometry of $\mathcal{M}_g$ . Monodromy map. Character Variety. Moduli space of Vector Bundles. Teichmüller dynamics. Meromorphic projective structures.	
MATERNITY LEAVES	<i>Québec Parental Insurance Plan</i> 09/2018-08/2019 09/2015-08/2016	
ACADEMIC POSITIONS	<i>Postdoctoral Fellow</i> 09/2018-08/2019 09/2014-08/2017 Centre de Recherches Mathématiques Université de Montréal  <i>Research Assistant Professor</i> 09/2017-08/2018 Department of Mathematics & Statistics Concordia University	
EDUCATION	Stony Brook University Department of Mathematics  PhD, August 2014 Advisor: Samuel Grushevsky  B.S. Mathematics, May 2008 Summa Cum Laude	
REFERRED PUBLICATIONS	X. Hu, C. Norton. General Variational Formulas for Abelian Differentials, <b>International Mathematics Research Notices</b> . June 2018. <a href="https://doi.org/10.1007/s00222-017-0739-z">https://doi.org/10.1007/s00222-017-0739-z</a>  M. Bertola, D. Korotkin, C. Norton. Symplectic Geometry of the Moduli Space of Projective Structures in Homological Coordinates, <b>Inventiones Mathematicæ</b> . June 2017. <a href="https://doi.org/10.1007/s00222-017-0739-z">https://doi.org/10.1007/s00222-017-0739-z</a>  S. Grushevsky, I. Krichever, C. Norton. Real Normalized Differentials: Limits on Stable Curves to appear in <b>Russian Math Surveys</b> .	

IN  
PREPARATION D. Auricino, C. Norton. Genus 5 Shimura-Teichmüller Curves  
M. Bertola, C. Norton, G. Ruzzo. A Cauchy Kernel for Vector Bundles on Riemann Surfaces

AWARDS *Chairman's Award for Excellence in Teaching by a Graduate Student Receiving a PhD*, (May 2014)  
*The Stony Brook Foundation Award for Excellence in Mathematics*, (May 2008)

CONFERENCE TALKS PIMS Stochastic Dynamics and Hodge Theory. University of Alberta. March 2019  
Holomorphic Differentials in Mathematics and Physics. SCGP. February 2019  
Dynamics and moduli spaces of translation surfaces. Fields Institute. October 2018  
Tau Functions of Integrable Systems and Their Applications. BIRS. September 2018  
AMS Sectional Meeting. April 2018  
Integrable Systems and Moduli Spaces. BIRS. August 2013

SEMINAR TALKS University of Michigan. January 2019.  
Korea Institute for Advanced Study. May 2018.  
Seoul National University. May 2018.  
University of Maryland. March 2018.  
Indiana University Bloomington. February 2018.  
Colorado State University. January 2018.  
University of Northern Colorado. January 2018.  
University of Colorado, Boulder. January 2018.  
Columbia University. November 2017.  
University of Notre Dame. November 2017.  
Central Michigan University. November 2017.  
Michigan State University. November 2017.  
University of Michigan. November 2017.  
CRM, Mathematical Physics Seminar. November 2016.  
SISSA, Seminar on Integrable Systems and Geometry. March 2015.  
CRM, Mathematical Physics Seminar. January 2015.  
NYU. Courant Institute. November 2014.

PROFESSIONAL SERVICE 2018 June Math Camp. Concordia University, The mathematics in the Rubik's cube.  
Q&A, University of Maryland, WIM student chapter, March 2018.  
Interviewer, SUNY Master Teacher Program, February 2014.  
Volunteer Educator, National Museum of Math, Winter-Spring 2013.  
Graduate Student Representative, Grad Committee, SBU Math Dept, 2011-2013.