

# Nishan Chatterjee

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700 024  
West Bengal, India

EDUCATION      **Ph.D , Mathematics. September 30, 2017.**  
City University of New York, Graduate Center  
• Advisors: Prof. Yunping Jiang and Prof. Sudeb Mitra

**MPhil, Mathematics, February 2016**  
City University of New York, Graduate Center

**MA, Mathematics, February 2014**  
City University of New York, Graduate Center

**Research Fellow, Mathematics, 2009-10**  
Aarhus Universitet  
• Advisor: Prof. Jorgen Andersen

**M.S. in Mathematics, 1st Class, May 2009**  
Tata Institute of Fundamental Research, CAM, Bangalore, India.

**B.Sc. in Mathematics, August 2007**  
Calcutta University, Kolkata, India  
• Ramakrishna Mission Vidyamandira, Belur Math  
• Honours in Mathematics, 1st Class

**Higher Secondary, 2004**  
West Bengal Council of Higher Secondary Education  
• Ramakrishna Mission Residential College, Narendrapur  
• First Division

**Secondary, 2002**  
West Bengal Board of Secondary Education  
• Ramakrishna Mission Vidyalaya, Narendrapur

EMPLOYMENT  
HISTORY

**Naba Barrackpur Prafulla Chandra Mahavidyalaya**

Assistant Professor

- November 2019 - Present

**Techno India University**

Assistant Professor

- March 2019 - October 2019

**Baruch College**

Substitute Assistant Professor

- August 2017- August 2018

Full time Substitute Lecturer

- January 2017- August 2017

Adjunct Lecturer

- September 2015- December 2016

**New York City College of Technology**

Adjunct Lecturer

- September 2016- May 2017

**City University of New York, Graduate Center**

Quantitative Reasoning Fellow, 2015-16

- Location: Bronx Community College

Quantitative Reasoning Fellow, 2014-15

- Location: York College

Graduate Teaching Assistant, 2012-13, 2013-14

- Location: City College of New York

Graduate Teaching Assistant, 2010-11, 2012-13

- Location: City University of New York, Graduate Center

PUBLICATIONS

N.Chatterjee, *Some metric properties of the Teichmüller space of a closed set in the Riemann sphere*, Ann. Acad. Sci. Fenn. Math., **42** (2017), Number 2.

<http://www.acadsci.fi/mathematica/Vol42/vol42pp0755-0770.pdf>

RESEARCH  
INTERESTS

Complex Analysis, Teichmüller theory, Dynamical Systems, Quasiconformal mappings, Geometric function theory, Several complex variables and Hyperbolic geometry.

TEACHING AND  
WORK EXPERIENCE

Spring	2019	Asst Professor, Linear Algebra, Module II Mathematics I, Techno India University
Spring	2019	Asst Professor, Numerical methods theory, Techno India University
Spring	2019	Asst Professor, Numerical analysis laboratory, Techno India University
Spring	2019	Asst Professor, Abstract Algebra I, MSc, Techno India University
Spring	2018	Substitute Asst Professor, MTH 2205, Applied Calculus, Baruch College
Spring	2018	Substitute Asst Professor, MTH 2003, Precalculus and Elements of Calculus, Baruch College
Fall	2017	Substitute Asst Professor, MTH 2003, Precalculus and Elements of Calculus, Baruch College
Fall	2017	Substitute Asst Professor, MTH 2207, Applied Calculus and Matrix Algebra, Baruch College
Fall	2017	Substitute Asst Professor, MTH 3020, Intermediate Calculus, Baruch College
Spring	2017	Adjunct lecturer, MAT 2572, Probability and Mathematical Statistics I, New York City College of Technology
Spring	2017	Full time substitute lecturer, MTH 2205, Applied Calculus, Baruch College
Spring	2017	Full time substitute lecturer, MTH 2207, Applied Calculus and Matrix Algebra, Baruch College
Spring	2017	Full time substitute lecturer, MTH 2610, Calculus I, Baruch College
Fall	2016	Adjunct lecturer, MAT 2580, Introduction to Linear Algebra, New York City College of Technology
Fall	2016	Adjunct lecturer, MTH 2207, Applied Calculus and Matrix Algebra, Baruch College
Spring	2016	Adjunct lecturer, MTH 2205, Applied Calculus, Baruch College
Spring	2016	Quantitative reasoning fellow, Bronx Community College
Fall	2015	Adjunct lecturer, MTH 1030, College Algebra, Baruch College
Fall	2015	Quantitative reasoning fellow, Bronx Community College
Spring	2015	Quantitative reasoning fellow, York College
Fall	2014	Quantitative reasoning fellow, Overview of Math 271, York College
Spring	2014	Instructor, Math 195, College Algebra with Trigonometry, CCNY
Fall	2013	Instructor, Math 150, Mathematics for contemporary world, CCNY
Spring	2013	Instructor, Recitation sessions on Precalculus, Calculus I, Calculus II, CCNY
Fall	2012	Instructor, Tutoring center, Marshak Building, CCNY

CONFERENCE TALKS      *Some metric properties of Teichmüller space of a closed set in the Riemann sphere*, Invited speaker, AMS Special Session on "Teichmüller Theory and Related Topics" of the AMS Sectional Meeting (#1118) at The State University of New York at Stony Brook 19 March, 2016

*Liftings of Holomorphic Maps to Teichmüller spaces*, Binghamton University Graduate Conference in Algebra and Topology. (November 2013)

OTHER TALKS      *Keakeya Cojecture for Finite fields*, Departmental seminar, SUNY Oswego, Jul 21, 2017

*Some metric properties of Teichmüller space of a closed set in the Riemann sphere*, Departmental seminar, Bronx Community College, 8 March, 2016

*Quadratic differentials on Riemann Surfaces*, Student Seminar, CUNY GC, Spring 2015

*Equivalence of Kobayashi and Teichmüller metrics for the Teichmüller space of symmetric circle homeomorphisms*, Student Seminar, CUNY GC, Fall and Spring 2014

*Symmetric Structures on closed curve*, Student Seminar, CUNY GC, Fall and Spring 2013

*Liftings of Holomorphic Maps to Teichmüller space*, Student Seminar, CUNY GC, Spring 2012

*Liftings of Holomorphic Maps to Teichmüller space*, Candidacy Talk, CUNY GC. (2013)

*Uniformization Theorem*, Student Seminar, Tata Institute of Fundamental Research, CAM, Bangalore, India. (2008)

*Keakeya Needle Problem for finite fields*, Student Seminar, Tata Institute of Fundamental Research, CAM, Bangalore, India. (2007)

WORKSHOPS AND CONFERENCES ATTENDED	Spring	2018	Active learning workshop, Baruch College, CUNY, 55 Lexington Av, New York, NY 10010.
	Spring	2016	AMS Special Session on "Teichmüller Theory and Related Topics" of the AMS Sectional Meeting (#1118) at The State University of New York at Stony Brook
	Spring	2015	IMS XXV, SUNY Stony Brook, Stony Brook, NY
	January	2014	JMM conference, Baltimore, MD
	October	2013	Conformal Geometry and Riemann Surfaces, A Conference in Honor of Professor Ravi S. Kulkarni, Queens College, Flushing NY
	Spring	2008	Workshop on Differential Geometry, Mysore, India
	Fall	2010- 2013	Binghamton University Graduate Conference in Algebra and Topology, Binghamton, USA

GRADUATE  
COURSEWORK

- Basic Topology
- Real Analysis
- Measure Theory
- Complex Analysis
- Functional Analysis
- Differential Geometry
- Modern Algebra
- Linear Algebra
- Ordinary Differential Equations
- Partial Differential Equations
- Probability and Statistics
- Riemannian Geometry
- Real Dynamical Systems
- Algebraic Topology
- Holomorphic Dynamical Systems
- Geometric Group Theory
- Hyperbolic Geometry
- Hyperbolic 3- Manifolds
- Teichmüller theory
- Analysis and number theory
- Numerical Analysis
- Numerical PDE

RELEVANT  
SKILLS

- Languages: English, Bengali, Hindi
- Experience: Working as a Quantitative reasoning fellow  
Working on Developmental Math,  
Teaching a wide range of math courses.  
Handling very diverse classrooms  
Familiarity with online teaching tools and active learning methods.
- Programming: C and Matlab.
- Online tools: Webassign, Mymathlab, Blackboard

REFERENCES

- Abhijit Champanerkar**, Professor, College of Staten Island and Graduate center, City University of New York,  
[achampanerkar@gc.cuny.edu](mailto:achampanerkar@gc.cuny.edu)
- Yunping Jiang**, Distinguished Professor, Queens College and Graduate Center, City University of New York.  
[yunping.jiang@qc.cuny.edu](mailto:yunping.jiang@qc.cuny.edu)
- Andrew Lesniewski**, Professor, Baruch College and Graduate Center, City University of New York.  
[andrew.lesniewski@baruch.cuny.edu](mailto:andrew.lesniewski@baruch.cuny.edu)
- Sudeb Mitra**, Professor, Queens College and Graduate Center, City University of

New York.  
sudeb.mitra@qc.cuny.edu