

CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics

----- Fall 2021 | Monday, December 6, 2021-----

Most seminars are remote for Fall 2021.

Unless otherwise noted, you must go to the seminar website for connecting information.

Seminars are listed below in chronological order and show information for the current week and the following week's seminars based on the information provided by the seminar organizer. Always check the seminar's website (if provided) for the most current information including updates and abstracts. Special Events, if any, are listed at the end.

If you would like to sign up or change your email address to receive the weekly Seminar Bulletin, please visit: <https://gc.listserv.cuny.edu/Scripts/wa-gc.exe?SUBED1=MATHSEMINARGC&A=1>

All other matters related to the seminars should be sent to mathseminars@gc.cuny.edu.

Monday, December 6

Student Research Seminar- Graduate Student Colloquium

Website: [Seminars and Colloquia - 2021-2022 \(google.com\)](#)

Meets: 4:15PM-6:15 PM, Online

Speaker: Van Steirteghem Bart

Title: NA

Online- Contact Organizer: Mondal, Sayantika smondal@gradcenter.cuny.edu and Jarvis, Samantha sjarvis@gradcenter.cuny.edu.

Models of Peano Arithmetic

Website: <https://nylogic.github.io/MOPA.html>

Meets: 2:00PM- 3:00PM, Online (Different time and day)

Speaker: Bartosz Wcisło, Polish Academy of Sciences

Title: Model theoretic characterizations of truth: Part II

Online - See Seminar Website.

TUESDAY, December 7

Mostly Teichmuller Spaces (MTS) Seminar

Website: [MTS SEMINAR – Dragomir Saric](#)
Meets: 10:00AM- 11:00AM, Online (Different day and time)
Speaker: Xinlong Dong
Title: On complex extension of the Liouville map
Online - Online - See Seminar Website

Geometry & Topology Student Seminar

Website: <http://www.math.csi.cuny.edu/abhijit/studentseminar/>
Meets: 1:30PM – 2:30PM, Online
Speaker: Joe Boninger
Title: NA
Online - Contact Organizer: Abhijit Champanerkar (achampanerkar@gmail.com)

Student Learning Seminar on Ergodic Theory, Dynamical Systems, and Number Theory Seminar

Website:
qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2021/Fall2021.html
Meets: 1:30PM- 3:00PM, Room 4214.03
Speaker: Liu
Title: NA
Contact Organizer: Yunping Jiang (yunping.jiang@qc.cuny.edu)

Hyperbolic Geometry Seminar

Website: [Hyperbolic Geometry Seminar \(google.com\)](#)
Meets: 3:00PM - 4:00PM, Online
Speaker: Andrea Tamburelli, Rice U
Title: Limits of Cubic Differentials and Real Buildings
Online - See Seminar Website

CUNY Geometry & Topology Seminar

Website: <http://comet.lehman.cuny.edu/behrstock/seminar/>
Meets: 4:15PM - 5:15PM, Online
Speaker: Joseph Boninger, CUNY GC
Title: The Jones Polynomial from a Goeritz Matrix
Online - See Seminar Website

CUNY Probability Seminar

Website: <https://probability.commonscs.gc.cuny.edu/>
Meets: 4:30PM-5:30PM, Online
Speaker: Evita Nestoridi, Princeton University
Title: Limit Profiles of Reversible Markov Chains
Online - See Seminar Website

CUNY Student Logic Seminar

Website: <https://sites.google.com/view/cuny-student-logic-seminar/schedule>

Meets: 6:30PM- 8:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: Jason Block (jblock@gradcenter.cuny.edu)

Einstein Chair Seminar

Website: [Einstein Chair Mathematics Seminar \(cuny.edu\)](http://Einstein Chair Mathematics Seminar (cuny.edu))

Meets: 6:30PM –8:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website

WEDNESDAY, December 8**The New York City Category Theory Seminar**

Website: [Category Theory Seminar \(cuny.edu\)](http://Category Theory Seminar (cuny.edu))

Meets: 7:00PM- 8:30PM, Online

Speaker: Jens Hemelaer, University of Antwerp.

Title: Toposes of presheaves on a monoid and their points.

Online - See Seminar Website

THURSDAY, December 9

Quasiconformal Maps, Hyperbolic Geometry, and Low-dimensional Topology

Website: <https://dragomirsaric.com/graduate-students/> [dragomirsaric.com]

Meets: 10:00AM - 11:00AM, Online

Speaker:

Title: NA

Online - Contact Organizer: dagomir.saric@QC.cuny.edu

Kolchin Seminar in Differential Algebra

Website: <https://sites.google.com/view/kolchin2021>

Meets: 11:10AM- 12:10PM, Online

Speaker: Marina Poulet, Université Claude Bernard Lyon 1

Title: Zariski-dense subgroups of Galois groups for Mahler equations

Online - See Seminar Website

Polynomial and Matrix Computations Seminar

Meets: 2:00PM - 4:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: VICTOR.PAN@lehman.cuny.edu

New York Number Theory Seminar

Website: <http://www.math.rutgers.edu/~bumby/nyntsem/>

Meets: 3:00PM - 4:30PM, Online

Speaker: Yunping Jiang, Queens College, CUNY

Title: Ergodic theory motivated by Sarnak's conjecture in number theory

Zoom Info: <https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=LOY1L1VGRIQxVCtsVjRlRVVW5EdE1qZz09>

Symplectic Geometry Study Group

Website: [Symplectic Geometry Study Group \(yfei.page\)](#)

Meets: 3:00PM – 4:00PM, Online

Speaker:

Title: NA

Online – Contact Organizer: Fei Ye (feye@qcc.cuny.edu) or David Pham (DNpham@qcc.cuny.edu)

CUNY Geometric Analysis Seminar

Website: [CUNY Geometric Analysis Seminar \(lehman.edu\)](#)

Meets: 4:00PM – 5:00PM, Online

Speaker: Xiaochun Rong

Title: Open Alexandrov spaces of non-negative curvature

Online - Contact Organizer: (nkatz@citytech.cuny.edu)

Research Training Group in Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM- 6:30PM, Online

Speaker: Levent Alpoge, Harvard University

Title: NA

NOTE: The RTG talk is aimed at graduate students and post-docs.

Online - See Seminar Website

New York Joint Columbia-CUNY-NYU Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM - 6:30PM, Online

Speaker: Levent Alpoge, Harvard University

Title: NA

Online - See Seminar Website

FRIDAY, December 10

Automorphic Forms and Representations Study Group

Website: <https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar> [\[sites.google.com\]](https://sites.google.com)

Meets: 9:30AM – 11:00AM, Online

Speaker:

Title: NA

Online - See Seminar Website

Extremal Length Seminar

Website: <http://userhome.brooklyn.cuny.edu/gardiner/notes.html>

Meets: 9:00AM - 10:30AM, Online

Speaker: Fred Gardiner

Title: Teichmueller Theory and Dynamics seminar, fall term 2021.

Contact Organizer: Fred Gardiner (frederick.gardiner@gmail.com)

CUNY Representation Theory Seminar

Website: <https://sites.google.com/site/cunyr/>

Meets: 10:00AM – 11:00AM, Online

Speaker:

Title: NA

Contact Organizer: Joshua Sussan (jsussan@mec.cuny.edu)

Seminar in Logic, Games and Philosophy- Philog Seminar

Website: <https://philog.arthurpaulpedersen.org/>

Meets: 10:00AM - 11:00AM, Online

Speaker: David Ellerman, University of Ljubljana

Title: "What is Information and How to Measure it?"

Online - See Seminar Website

Working Seminar on Nonlinear PDE

Meets: 11:00AM - 12:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: Marcello.Lucia@csi.cuny.edu

Data Science and Applied Topology

Website: <http://cunygc.appliedtopology.nyc/>

Meets: 11:45AM - 12:45PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Almost Complex Geometry

Website: <http://qcpages.qc.cuny.edu/~swilson/ACGsem.html>

Meets: 12:00PM – 1:30PM, Online

Speaker:

Title: NA

Online - See Seminar Website

New York Combinatorics Seminar

Website: [Seminar \(nycombinatorics.org\)](http://Seminar(nycombinatorics.org))

Meets: 12:00PM – 1:00PM, Online

Speaker: Zhanar Berikkyzy, Fairfield University

Title: Long cycles in Balanced Tripartite Graphs

Contact Organizer: Sandra Kingan (skingan@brooklyn.cuny.edu)

Harmonic Analysis and PDE's Seminar

Website: http://math.hunter.cuny.edu/vmartine/seminar_HA-PDE_2021-fall.html

Meets: 1:00PM – 2:15PM, Online

Speaker: Tuan Pham, Brigham Young University, Department of Mathematics

Title: Conservation of frequencies and applications to the well-posedness problem of the Navier-Stokes equations

Online - See Seminar Website.

BEAG seminar (Beginners Explorations in Algebraic Geometry)

Website: [Digication ePortfolio :: BEAG :: SPRING 2021](#)

Meets: 2:00PM – 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Complex Analysis and Dynamics Seminar

Website: <http://qcpages.qc.cuny.edu/~zakeri/seminar.html>

Meets: 2:00PM - 3:30PM, Online

Speaker:

Title: NA

Contact Organizer: Saeed Zakeri (Saeed.Zakeri@qc.cuny.edu)

CUNY Logic Workshop

Website: [Logic Workshop | NYlogic](#)

Meets: 2:00PM - 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Set Theory Seminar

Website: <https://nylogic.github.io/set-theory-seminar.html>

Meets: 2:00PM- 3:00PM, Online

Speaker: Eyal Kaplan, Tel Aviv University

Title: Non-stationary support iterations of Prikry forcings and restrictions of ultrapower embeddings to the ground model, part II

Contact Organizer: Victoria Gitman (vgitman@nylogic.org)

Commutative Algebra & Algebraic Geometry Seminar

Website: <http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html>

Meets: 4:00PM – 5:00PM, Online

Speaker:

Title: NA

Online- Contact Organizer: Hans Schoutens (hschoutens@citytech.cuny.edu)

NY Group Theory Seminar

Website: [NY Group Theory Cooperative - Fall 2021 \(google.com\)](#)

Meets: 4:00PM- 5:00PM, Online

Speaker: Alexei Myasnikov, Stevens Institute of Technology

Title: Rich groups and weak second order logic

Online - See Seminar Website

Monday, December 13

Student Research Seminar- Graduate Student Colloquium

Website: [Seminars and Colloquia - 2021-2022 \(google.com\)](#)

Meets: 4:15PM-6:15PM, Online

Speaker: Alexey Ovchinnikov

Title: NA

Online- Contact Organizer: Mondal, Sayantika smondal@gradcenter.cuny.edu and
Jarvis, Samantha sjarvis@gradcenter.cuny.edu.

Models of Peano Arithmetic

Website: <https://nylogic.github.io/MOPA.html>

Meets: 2:00PM- 3:00PM, Online (Different time and day)

Speaker: Cezary Cieřliński, University of Warsaw

Title: On the principle of disjunctive correctness

Online - See Seminar Website.

TUESDAY, December 14

Geometry & Topology Student Seminar

Website: <http://www.math.csi.cuny.edu/abhijit/studentseminar/>

Meets: 1:30PM – 2:30PM, Online

Speaker:

Title: NA

Online - Contact Organizer: Abhijit Champanerkar (achampanerkar@gmail.com)

Student Learning Seminar on Ergodic Theory, Dynamical Systems, and Number Theory Seminar

Website:

qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/TeachingPages/GCLinkFiles/Fall2021/Fall2021.html

Meets: 1:30PM- 3:00PM, Room 4214.03

Speaker:

Title: NA

Contact Organizer: Yunping Jiang (yunping.jiang@qc.cuny.edu)

Hyperbolic Geometry Seminar

Website: [Hyperbolic Geometry Seminar \(google.com\)](https://hyperbolic-geometry-seminar.google.com/)

Meets: 3:00PM - 4:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website

CUNY Geometry & Topology Seminar

Website: <http://comet.lehman.cuny.edu/behrstock/seminar/>

Meets: 4:15PM - 5:15PM, Online

Speaker:

Title: NA

Online - See Seminar Website

CUNY Probability Seminar

Website: <https://probability.commonscs.gc.cuny.edu/>

Meets: 4:30PM-5:30PM, Online

Speaker:

Title: NA

Online - See Seminar Website

CUNY Student Logic Seminar

Website: <https://sites.google.com/view/cuny-student-logic-seminar/schedule>

Meets: 6:30PM- 8:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: Jason Block (jblock@gradcenter.cuny.edu)

Einstein Chair Seminar

Website: [Einstein Chair Mathematics Seminar \(cuny.edu\)](http://cuny.edu)

Meets: 6:30PM –8:00PM, Online

Speaker: Stephen Wolfram, Wolfram Research, Inc.

Title: Mathematics and Metamathematics of our Physics Project

Online - See Seminar Website

WEDNESDAY, December 15

The New York City Category Theory Seminar

Website: [Category Theory Seminar \(cuny.edu\)](http://cuny.edu)

Meets: 7:00PM- 8:30PM, Online

Speaker: Samantha Jarvis, The CUNY Graduate Center

Title: NA

Online - See Seminar Website

THURSDAY, December 16

Quasiconformal Maps, Hyperbolic Geometry, and Low-dimensional Topology

Website: <https://dragomirsaric.com/graduate-students/> [dragomirsaric.com]

Meets: 10:00AM - 11:00AM, Online

Speaker:

Title: NA

Online - Contact Organizer: dagomir.saric@QC.cuny.edu

Mostly Teichmuller Spaces (MTS) Seminar

Website: [MTS SEMINAR – Dragomir Saric](#)

Meets: 11:00AM- 12:00PM, Online

Speaker:

Title: NA

Online - Online - See Seminar Website

Polynomial and Matrix Computations Seminar

Meets: 2:00PM - 4:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: VICTOR.PAN@lehman.cuny.edu

New York Number Theory Seminar

Website: <http://www.math.rutgers.edu/~bumby/nyntsem/>

Meets: 3:00PM - 4:30PM, Online

Speaker:

Title: NA

Zoom Info: <https://lehman-cuny-edu.zoom.us/j/87447823245?pwd=LOY1L1VGRjQxVCtsVjRvVW5EdE1qZz09>

Symplectic Geometry Study Group

Website: [Symplectic Geometry Study Group \(yfei.page\)](#)

Meets: 3:00PM – 4:00PM, Online

Speaker:

Title: NA

Online – Contact Organizer: Fei Ye (feye@qcc.cuny.edu) or David Pham (DNpham@qcc.cuny.edu)

CUNY Geometric Analysis Seminar

Website: [CUNY Geometric Analysis Seminar \(lehman.edu\)](#)

Meets: 4:00PM – 5:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: (nkatz@citytech.cuny.edu)

Research Training Group in Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM- 6:30PM, Online

Speaker: David Hansen, Max Planck Institute for Mathematics, Bonn

Title: NA

NOTE: The RTG talk is aimed at graduate students and post-docs.

Online - See Seminar Website

New York Joint Columbia-CUNY-NYU Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM - 6:30PM, Online

Speaker: David Hansen, Max Planck Institute for Mathematics, Bonn

Title: NA

Online - See Seminar Website

FRIDAY, December 17

Automorphic Forms and Representations Study Group

Website: <https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar> [\[sites.google.com\]](https://sites.google.com)

Meets: 9:30AM – 11:00AM, Online

Speaker:

Title: NA

Online - See Seminar Website

Extremal Length Seminar

Website: <http://userhome.brooklyn.cuny.edu/gardiner/notes.html>

Meets: 9:00AM - 10:30AM, Online

Speaker:

Title: NA

Contact Organizer: Fred Gardiner (frederick.gardiner@gmail.com)

CUNY Representation Theory Seminar

Website: <https://sites.google.com/site/cunyr/>

Meets: 10:00AM – 11:00AM, Online

Speaker:

Title: NA

Contact Organizer: Joshua Sussan (jsussan@mec.cuny.edu)

Seminar in Logic, Games and Philosophy- Philog Seminar

Website: <https://philog.arthurpaulpedersen.org/>

Meets: 10:00AM - 11:00AM, Online

Speaker:

Title: NA

Online - See Seminar Website

Working Seminar on Nonlinear PDE

Meets: 11:00AM - 12:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: Marcello.Lucia@csi.cuny.edu

Kolchin Seminar in Differential Algebra

Website: <https://sites.google.com/view/kolchin2021>

Meets: 11:10AM- 12:10PM, Online (Different day)

Speaker: Omar León Sánchez, University of Manchester

Title: A Poisson basis theorem for symmetric algebras

Online - See Seminar Website

Please note that this talk is on Friday, and not on Thursday as usual.

Data Science and Applied Topology

Website: <http://cunygc.appliedtopology.nyc/>

Meets: 11:45AM - 12:45PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Almost Complex Geometry

Website: <http://qcpages.qc.cuny.edu/~swilson/ACGsem.html>

Meets: 12:00PM – 1:30PM, Online

Speaker:

Title: NA

Online - See Seminar Website

New York Combinatorics Seminar

Website: [Seminar \(nycombinatorics.org\)](http://Seminar(nycombinatorics.org))

Meets: 12:00PM – 1:00PM, Online

Speaker: Sean English, University of Illinois at Urbana Champaign

Title: NA

Contact Organizer: Sandra Kingan (skingan@brooklyn.cuny.edu)

Harmonic Analysis and PDE's Seminar

Website: http://math.hunter.cuny.edu/vmartine/seminar_HA-PDE_2021-fall.html

Meets: 1:00PM – 2:15PM, Online

Speaker: Peter Balazs, Director of Director of the Acoustics Research Institute, Austrian Academy of Sciences

Title: NA

Online - See Seminar Website.

BEAG seminar (Beginners Explorations in Algebraic Geometry)

Website: [Digication ePortfolio :: BEAG :: SPRING 2021](#)

Meets: 2:00PM – 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Complex Analysis and Dynamics Seminar

Website: <http://qcpages.qc.cuny.edu/~zakeri/seminar.html>

Meets: 2:00PM - 3:30PM, Online

Speaker:

Title: NA

Contact Organizer: Saeed Zakeri (Saeed.Zakeri@qc.cuny.edu)

CUNY Logic Workshop

Website: [Logic Workshop | NYlogic](#)

Meets: 2:00PM - 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

Set Theory Seminar

Website: <https://nylogic.github.io/set-theory-seminar.html>

Meets: 2:00PM- 3:00PM, Online

Speaker:

Title: NA

Contact Organizer: Victoria Gitman (vgitman@nylogic.org)

Commutative Algebra & Algebraic Geometry Seminar

Website: <http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html>

Meets: 4:00PM – 5:00PM, Online

Speaker:

Title: NA

Online- Contact Organizer: Hans Schoutens (hschoutens@citytech.cuny.edu)

NY Group Theory Seminar

Website: [NY Group Theory Cooperative - Fall 2021 \(google.com\)](#)

Meets: 4:00PM- 5:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website