

CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
----- Fall 2018 | Monday, October 1, 2018 -----

Unless otherwise noted, all seminars meet at the CUNY Graduate Center, located at 365 Fifth Ave. (at 34th St.), NYC. Seminars are listed below in chronological order, and show dates for the upcoming two weeks. Special Events, if any, are listed at the end. A seminar's website, if available, may contain abstracts of the talks plus additional information. Note: A pdf version of this bulletin is attached in case the formatting of the text below is thrown off on your screen. Matters related to the seminars should be sent to mathseminars@gc.cuny.edu.

MONDAY, October 1st

Student Dynamics Seminar

Meets: 12:00PM – 1:30PM, Rm. 5417

Speaker:

Title: NA

Einstein Chair Seminar

Website:

<http://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Mathematics/Seminars/Einstein-Chair-Mathematics-Seminar>

Meets: 2:00PM – 6:15PM, Rm. 6417

Speaker:

Title: NA

Graduate Student Colloquium

Website:

<https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium>

Meets: 4:15PM – 5:00PM, Rm. 5417

Speaker: Khalid Bou-Rabee

Title: The Classification of infinite groups

TUESDAY, October 2nd

Non-Linear Analysis Seminar Study

Meets: 11:45AM – 1:45PM, Rm. 6417

Speaker:

Title: NA

Geometry & Topology Student Seminar

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

Meets: 1:30PM – 3:00PM, Rm. 4214.03

Speaker: Alexander Stas

Title: The arc and curve complex, and translation distance

CUNY Geometric Analysis Seminar

Website: <http://www.sci.cuny.cuny.edu/~bsantoro/GCSeminar.html>

Meets: 3:00PM - 4:00PM, Rm. 6496

Speaker: Rafael Montezuma, Princeton University

Title: Extremal metrics for the min-max width and the 2-systole in conformal classes

Hyperbolic Geometry Seminar

Website: <https://sites.google.com/site/hyperbolicgeometryseminar/home>

Meets: 3:00PM - 4:00PM, Rm. 4214.03

Speaker: Daniel White, CUNY Graduate Center

Title: Understanding surface automorphisms by using geodesic laminations (continued)

CUNY Geometry & Topology Seminar

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

Meets: 4:15PM - 5:15PM, Rm. 3212

Speaker: Moritz Gruber, Karlsruhe & NYU

Title: Higher divergence of Heisenberg groups

CUNY Probability Seminar

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

Meets: 4:15PM – 5:15PM, Rm. 5417

Speaker: Erik Slivken, University of Paris VII

Title: Pattern-avoiding permutations and Dyson Brownian motion

Student Set Theory Seminar

Website: [https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/\[coreyswitzer.wordpress.com\]](https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/[coreyswitzer.wordpress.com])

Meets: 4:15PM – 5:45PM, Rm. 4214.03

Speaker: Alex Van Abel, CUNY Graduate Center

Title: NA

Models of Peano Arithmetic

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

Meets: 6:30PM – 8:00PM, Rm. 4214.03

Speaker:

Title: NA

WEDNESDAY, October 3rd

Companion Meeting to K-theory Seminar

Website: <https://www.zeinalian.com/seminar>

Meets: 10:00AM - 11:30AM, Rm. 6417

Speaker: Mahmoud Zeinalian

Title: On the homotopy coherent nerve of cubical categories and Adams's cobar construction

Almost Complex Geometry

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

11:45AM – 1:45PM, Rm. 6417

Speaker: Scott Wilson

Title: Dolebault cohomology for almost complex manifolds (part II)

Algebraic & Numerical Computation

Meets: 11:45AM - 1:45PM, Rm. 3307

Speaker:

Title: NA

Geometric Group Theory Seminar

Meets: 12:00PM- 2:00PM, Rm. 4213.03

Speaker:

Title: NA

Introduction of Dynamical Systems

Meets: 2:00PM - 4:00PM, Rm. 4214.03

Speaker:

Title: NA

K-Theory & Beyond: A Learning Seminar

Website: [https://www.zeinalian.com/seminar/\[zeinalian.com\]](https://www.zeinalian.com/seminar/[zeinalian.com])

Meets: 2:00PM – 4:00PM, Rm. 6417

Speaker: Martin Bendersky

Title: On the J-homomorphism

Algebraic Topology Seminar

Website: <http://math.hunter.cuny.edu/mbenders/seminar.html>

Meets: 4:30PM - 5:30PM, Rm. 4214.03

Speaker:

Title: NA

No meeting today.

NYC Category Theory Seminar

Website: <http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html>

Meets: 7:00PM - 8:30PM, Rm. 6417

Speaker:

Title: NA

THURSDAY, October 4th

Symbolic-Numeric Computing Seminar

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

Meets: 3:00PM – 4:00PM, Rm. 9116

Speaker:

Title: NA

New York Number Theory Seminar

Website:

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

Meets: 3:00PM - 4:00PM, Rm. 4419

Speaker:

Title: NA

No meeting today.

Research Training Group in Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html>

Meets: 4:00PM – 5:00PM, Rm. 605 (NYU, Courant Institute)

Speaker: Daniel Litt, University of Georgia & IAS

Title: FINITENESS RESULTS FOR MONODROMY REPRESENTATIONS

Tea: 5:00PM – 5:30PM in Rm. 605 (NYU, Courant Institute)

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

New York Joint Columbia-CUNY-NYU Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html>

Meets: 5:30PM - 7:00PM, Rm. 317 (NYU, Warren Weaver Hall)

Speaker: Daniel Litt, University of Georgia & IAS

Title: FINITENESS RESULTS FOR MONODROMY REPRESENTATIONS

Tea: 5:00PM – 5:30PM in Rm. 317 (NYU, Warren Weaver Hall)

Phenomenology Reading Group

Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)

Speaker:

Title: NA

FRIDAY, October 5th

Number Theory Student Seminar

Meets: 10:00AM – 11:30M, Rm. 4419

Speaker:

Title: NA

Set Theory Seminar

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

Meets: 10:00AM - 12:00PM, Rm. 6417

Speaker: David Schrittesser, Kurt Gödel Research Center

Title: The Ramsey property, MAD families, and their multidimensional relatives

Kolchin Seminar in Differential Algebra

Website: <https://cs.nyu.edu/~pogudin/ksda/>

Meets: 10:00AM – 11:30AM, Rm. 5382

Speaker: Peter Thompson, City University of New York

Title: Input-output equations for parameter identifiability in rational ODE models

Extremal Length Seminar

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

Meets: 10:30AM - 12:00PM, Rm.4214.03

Speaker:

Title: NA

New York Combinatorics Seminar

Website: <http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar>

Meets: 11:45AM - 12:45PM, Rm. 4419

Speaker:

Title: NA

Study Group in Number Theory

Meets: 11:45AM - 1:45PM, Rm. 3307

Speaker: Karen Taylor, Bronx Community College

Title: Quadratic Identities and Maass Waveforms, part 2

Data Science and Applied Topology

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

Meets: 11:45AM - 12:45PM, Rm. 3209

Speaker: Owen White

Title: Persistent homology

Student Seminar of Algebraic and Numerical Algorithms

Meets: 11:45AM - 1:45PM, Rm. 3308

Speaker:

Title: NA

Model Theory Seminar

Website: <http://nylogic.org/model-theory>

Meets: 12:30PM - 1:45PM, Rm. 6417

Speaker:

Title: NA

Study Group on Hodge Theory & Complex Algebraic Geometry

Website: <https://fyemath.github.io/hodge-seminar.html>

Meets: 1:30PM – 3:30PM, Rm. 4214.03

Speaker: Fei Ye

Title: Holomorphic de Rham complexes

BEAG seminar (Beginners Explorations in Algebraic Geometry)

Website: https://lagcc-cuny.digication.com/beag/FALL_2018

Meets: 2:00PM – 3:00PM, Rm. 4434

Speaker:

Title: NA

No meeting today.

Collaborative Number Theory Seminar

Website: <http://qcpages.qc.cuny.edu/~msabitova/CNTS.html>

Meets: 2:00PM – 4:00PM, Rm. 6494

Speaker:

Title: NA

Complex Analysis and Dynamics Seminar

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

Meets: 2:00PM - 3:30PM, Rm. 5417

Speaker: Christian Wolf, City College and Graduate Center of CUNY

Title: NA

CUNY Logic Workshop

Website: <https://nylogic.github.io/logic-workshop.html>

Meets: 2:00PM – 3:45PM, Rm. 6417

Speaker: Iskander Kalimullin, Kazan Federal University

Title: Primitive recursive structures and isomorphisms

Discrete Geometry Seminar

Website: <https://geometrynyc.wixsite.com/home/nyc-geometry-seminar>
Meets: 2:00PM – 4:00PM, Rm. 4419
Speaker: Frank de Zeeu, Baruch College
Title: Ordinary Lines in Space

CUNY Representation Theory Seminar

Meets: 2:00PM – 3:30PM, Rm. 3209
Speaker:
Title: NA

Harmonic Analysis and PDE's Seminar

Website: <https://sites.google.com/site/mathphysseminar/>
Meets: 2:00PM – 4:00PM, Rm. 3309
Speaker: Dr. Francesco Di Plinio, University of Virginia
Title: Maximal directional operators along algebraic varieties

Kolchin Afternoon Seminar in Differential Algebra

Website: <https://ksda.ccny.cuny.edu/gradcenter.html>
Meets: 2:00PM – 4:00PM, Rm. 5382
Speaker:
Title: NA

Algebra and Cryptography Seminar

Website: <http://www.sci.ccny.cuny.edu/~shpil/algcryp.html>
Meets: 2:30PM – 4:30PM, Rm. 3307
Speaker:
Title: NA

Automorphic Forms Student Seminar

Website: <https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar>
Meets: 4:00PM – 5:00PM, Rm. 4214.03
Speaker: Lawrence Vu
Title: Dimension formulas for the space of modular forms.

NY Group Theory Seminar

Website: <https://sites.google.com/site/nygrouptheory/fall2018>
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Alexei Miasnikov, CUNY Graduate Center
Title: Malcev's Problems and First-Order Paradise in Groups

Commutative Algebra & Algebraic Geometry Seminar

Webpage: <http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html>
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: Jai Laxmi, Indian Institute of Technology, Bombay
Title: Tate resolutions and deviations of graded algebras

Logic, Games and Society

Meets: 4:15PM - 6:15PM, Rm. C205
Speaker:
Title: NA

MONDAY, October 8th

Columbus Day Graduate Center is closed.

TUESDAY, October 9th

Non-Linear Analysis Seminar Study

Meets: 11:45AM – 1:45PM, Rm. 6417

Speaker:

Title: NA

Geometry & Topology Student Seminar

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

Meets: 1:30PM – 3:00PM, Rm. 4214.03

Speaker: Alexander Stas

Title: The arc and curve complex, and translation distance

CUNY Geometric Analysis Seminar

Website: <http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html>

Meets: 3:00PM - 4:00PM, Rm. 6496

Speaker: Bernhard Hanke, University of Augsburg

Title: Gromov's local flexibility and counter-intuitive applications

Hyperbolic Geometry Seminar

Website: <https://sites.google.com/site/hyperbolicgeometryseminar/home>

Meets: 3:00PM - 4:00PM, Math Thesis Room

Speaker: Daniel White (CUNY Graduate Center)

Title: Understanding surface automorphisms using geodesic laminations (continued)

CUNY Geometry & Topology Seminar

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

Meets: 4:15PM - 5:15PM, Rm. 3212

Speaker:

Title: NA

CUNY Probability Seminar

Website: <https://probability.commonsgc.cuny.edu/>

Meets: 4:15PM – 5:15PM, Rm. 5417

Speaker: Matthew Junge, Duke University

Title: Diffusion-Limited Annihilating Systems

Student Set Theory Seminar

Website: [https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/\[coreyswitzer.wordpress.com\]](https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/[coreyswitzer.wordpress.com])

Meets: 4:15PM – 5:45PM, Rm. 4214.03

Speaker:

Title: NA

Models of Peano Arithmetic

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

Meets: 6:30PM – 8:00PM, Rm. 4214.03

Speaker: Corey Switzer, CUNY

Title: Applications of (L,n) Models, Part II

WEDNESDAY, October 10th

Companion Meeting to K-theory Seminar

Website: <https://www.zeinalian.com/seminar>

Meets: 10:00AM - 11:30AM, Rm. 6417

Speaker: Jeffrey Kroll

Title: Symplectic structure on moduli space of flat connections

Almost Complex Geometry

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

11:45AM – 1:45PM, Rm. 6417

Speaker: Aleksander Doan, Stony Brook University

Title: NA

Algebraic & Numerical Computation

Meets: 11:45AM - 1:45PM, Rm. 3307

Speaker:

Title: NA

Geometric Group Theory Seminar

Meets: 12:00PM- 2:00PM, Rm. 4213.03

Speaker:

Title: NA

Introduction of Dynamical Systems

Meets: 2:00PM - 4:00PM, Rm. 4214.03

Speaker:

Title: NA

K-Theory & Beyond: A Learning Seminar

Website: [https://www.zeinalian.com/seminar/\[zeinalian.com\]](https://www.zeinalian.com/seminar/[zeinalian.com])

Meets: 2:00PM – 4:00PM, Rm. 6417

Speaker: Jeffrey Kroll

Title: On the Poisson bracket of traces of holonomy

Algebraic Topology Seminar

Website: <http://math.hunter.cuny.edu/mbenders/seminar.html>

Meets: 4:30PM - 5:30PM, Math Thesis Room

Speaker: Scott Wilson, Queens College

Title: A spectral sequence for almost complex manifolds

NYC Category Theory Seminar

Website: <http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html>

Meets: 7:00PM - 8:30PM, Rm. 6417

Speaker:

Title: NA

THURSDAY, October 11th

Symbolic-Numeric Computing Seminar

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

Meets: 3:00PM – 4:00PM, Rm. 9116

Speaker:

Title: NA

New York Number Theory Seminar

Website:

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

Meets: 3:00PM - 4:00PM, Rm. 4419

Speaker: Mel Nathanson, Lehman College and the Graduate Center

Title: NA

Research Training Group in Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html>

Meets: 4:00PM – 5:00PM, Rm. 622 (Columbia University)

Speaker: Preston Wake, UCLA & IAS

Title: QUANTIFYING EISENSTEIN CONGRUENCE

Tea: 5:00PM – 5:30PM in Rm. 5th Floor Math Lounge

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

New York Joint Columbia-CUNY-NYU Number Theory Seminar

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html>

Meets: 5:30PM - 7:00PM, Rm 622 (Columbia University)

Speaker: Preston Wake, UCLA & IAS

Title: QUANTIFYING EISENSTEIN CONGRUENCE

Tea: 5:00PM – 5:30PM in Rm. 417 5th Floor Math Lounge

Phenomenology Reading Group

Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)

Speaker:

Title: NA

FRIDAY, October 12th

Number Theory Student Seminar

Meets: 10:00AM – 11:30M, Rm. 4419

Speaker:

Title: NA

Set Theory Seminar

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

Meets: 10:00AM - 12:00PM, Rm. 6417

Speaker: Miha Habič, Charles University

Title: NA

Kolchin Seminar in Differential Algebra

Website: <https://cs.nyu.edu/~pogudin/ksda/>

Meets: 10:00AM – 11:30AM, Rm. 5382

Speaker:

Title: NA

Extremal Length Seminar

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

Meets: 10:30AM - 12:00PM, Rm.4214.03

Speaker:

Title: NA

New York Combinatorics Seminar

Website: <http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar>

Meets: 11:45AM - 12:45PM, Rm. 4419

Speaker:

Title: NA

Study Group in Number Theory

Meets: 11:45AM - 1:45PM, Rm. 3307

Speaker: Jorge Pineiro, Bronx Community College

Title: NA

Data Science and Applied Topology

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

Meets: 11:45AM - 12:45PM, Rm. 3209

Speaker: Mikael Vejdemo-Johansson

Title: Algebra of Persistence and Cohomology

Student Seminar of Algebraic and Numerical Algorithms

Meets: 11:45AM - 1:45PM, Rm. 3308

Speaker:

Title: NA

Model Theory Seminar

Website: <http://nylogic.org/model-theory>

Meets: 12:30PM - 1:45PM, Rm. 6417

Speaker:

Title: NA

Study Group on Hodge Theory & Complex Algebraic Geometry

Website: <https://fyemath.github.io/hodge-seminar.html>

Meets: 1:30PM – 3:30PM, Rm. 4214.03

Speaker:

Title: NA

BEAG seminar (Beginners Explorations in Algebraic Geometry)

Website: https://lagcc-cuny.digication.com/beag/FALL_2018

Meets: 2:00PM – 3:00PM, Rm. 4434

Speaker: James Myer

Title: "Computations in algebraic geometry".

Collaborative Number Theory Seminar

Website: <http://qcpages.qc.cuny.edu/~msabitova/CNTS.html>

Meets: 2:00PM – 4:00PM, Rm. 6494

Speaker:

Title: NA

Complex Analysis and Dynamics Seminar

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

Meets: 2:00PM - 3:30PM, Rm. 5417

Speaker: Yan Mary He, University of Toronto

Title: NA

CUNY Logic Workshop

Website: <https://nylogic.github.io/logic-workshop.html>

Meets: 2:00PM – 3:45PM, Rm. 6417

Speaker: Roman Kossak, CUNY

Title: Full Satisfaction

Discrete Geometry Seminar

Website: <https://geometrynyc.wixsite.com/home/nyc-geometry-seminar>

Meets: 2:00PM – 4:00PM, Rm. 4419

Speaker:

Title: NA

CUNY Representation Theory Seminar

Meets: 2:00PM – 3:30PM, Rm. 3209

Speaker:

Title: NA

Harmonic Analysis and PDE's Seminar

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

Meets: 2:00PM – 4:00PM, Rm. 3309

Speaker: Dr. José Manuel Conde Alonso, Brown University

Title: On sparse bounds for some biparameter operators

Kolchin Afternoon Seminar in Differential Algebra

Website: <https://ksda.ccny.cuny.edu/gradcenter.html>

Meets: 2:00PM – 4:00PM, Rm. 5382

Speaker:

Title: NA

Algebra and Cryptography Seminar

Website: <http://www.sci.ccny.cuny.edu/~shpil/algcryp.html>

Meets: 2:30PM – 4:30PM, Rm. 3307

Speaker:

Title: NA

Automorphic Forms Student Seminar

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

Meets: 4:00PM – 5:00PM, Rm. 4214.03

Speaker: Lawrence Vu

Title: Hecke operators

NY Group Theory Seminar

Website: <https://sites.google.com/site/nygrouptheory/fall2018>

Meets: 4:00PM – 5:30PM, Rm. 5417

Speaker: Ilya Kapovich

Title: NA

Commutative Algebra & Algebraic Geometry Seminar

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

Meets: 4:00PM – 5:00PM, Rm. 6417

Speaker:

Title: NA

Logic, Games and Society

Meets: 4:15PM - 6:15PM, Rm. C205

Speaker:

Title: NA

Upcoming Event

October 22, 2018

Mathematics Department Colloquium

Website: <https://www.gc.cuny.edu/Page-Elements/Academics-Research-Centers-Initiatives/Doctoral-Programs/Mathematics/Program-News>

Meets: 5:00PM- 7:00PM, Rm. 4214(Math Lounge)

Speaker: Enrique Pujals, The Graduate Center (CUNY)

Title: Revisiting the stability conjecture