

CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
----- **Fall 2018 | Tuesday, October 9, 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 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 (4214.03)

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:

No meeting today.

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: Luis Fernandez

Title: Introduction to Kahler manifolds

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: Elementary number theory and the Higman group

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 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 417 (Columbia University)

Speaker: Preston Wake, UCLA & IAS

Title: QUANTIFYING EISENSTEIN CONGRUENCE

Tea: 5:00PM - 5:30PM in 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, Czech Technical University in Prague/Charles University

Title: Surgery and generic coding

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: 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: 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:

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

Graduate Student Colloquium

Website:

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

Meets: 4:15PM – 5:00PM, Rm. 5417

Speaker: Benjamin Steinberg

Title: Character Theory and Rationality of Zeta Functions of Languages & Symbolic Dynamical Systems

TUESDAY, October 16th

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:

Title:

No meeting

CUNY Geometric Analysis Seminar

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

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

Speaker: Ruobing Zhang, Princeton University

Title: Nilpotent structure and collapsing Ricci-flat metrics on K3 surfaces

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/behstock/seminar/>

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

Speaker: Nick Salter, Columbia

Title: NA

CUNY Probability Seminar

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

Meets: 4:15PM – 5:15PM, Rm. 5417

Speaker: Xin Sun, Columbia University

Title: Natural measures on random fractals

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: Corey Switzer

Title: NA

Models of Peano Arithmetic

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

Meets: 6:30PM – 8:00PM, Rm. 4214.03

Speaker: Athar Abdul-Quader, SUNY Purchase College

Title: Kernels of digraphs and truth classes

WEDNESDAY, October 17th

Companion Meeting to K-theory Seminar

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

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

Speaker: Christopher Dorn

Title: Getting rid of the continuum: Posetal models for (interesting) manifolds

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: Castelnovo's bound and rigidity in almost complex geometry

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 – 3:45PM, Rm. 6417

Speaker: Christopher Dorn

Title: Using manifolds to define (and understand) general higher categories

Algebraic Topology Seminar

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

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

Speaker:

Title: NA

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 18th**Symbolic-Numeric Computing Seminar**

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

Meets: 3:00PM - 4:00PM, Rm. 9116

Speaker: Konstantin Mischaikow, Rutgers University

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

Research Training Group in Number Theory Seminar

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

Meets: 4:00PM- 4:45PM, Rm. 4102

Speaker: Frank Calegari, University of Chicago

Title: THE MODULARITY OF GENUS TWO CURVES

Tea: 5:00PM - 5:30PM in Rm. 4102

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. 4102

Speaker: Frank Calegari, University of Chicago

Title: THE MODULARITY OF GENUS TWO CURVES

Tea: 5:00PM - 5:30PM in Rm. 4102

Phenomenology Reading Group

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

Speaker:

Title: NA

FRIDAY, October 19th

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: Sam Sanders, TU Darmstadt/University of Leeds

Title: From zero to second-order arithmetic via metastability or uniformity abstract.

Kolchin Seminar in Differential Algebra

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

Meets: 10:00AM – 11:30AM, Rm. 5382

Speaker: Francoise Point, University of Mons

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:

Title: NA

Data Science and Applied Topology

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

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

Speaker: Owen White

Title: Persistent homology (cont'd)

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: Introduction to Spectral Sequences

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: NA

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:

Title: NA

CUNY Logic Workshop

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

Meets: 2:00PM – 3:30PM, Rm. 6417

Speaker: Sam Sanders, TU Darmstadt/University of Leeds

Title: Computational costs of reducing the uncountable to the finite/countable

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:

Title:

No meeting today.

Kolchin Afternoon Seminar in Differential Algebra

Website: <https://ksda.ccnycuny.edu/gradcenter.html>

Meets: 2:00PM – 4:00PM, Rm. 5382

Speaker:

Title: NA

Algebra and Cryptography Seminar

Website: <http://www.sci.ccnycuny.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:

Title: NA

NY Group Theory Seminar

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

Meets: 4:00PM – 5:30PM, Rm. 5417

Speaker: Daniel Studenmund, U of Notre-Dame

Title: Commensurability growth of nilpotent groups

Commutative Algebra & Algebraic Geometry Seminar

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

Meets: 4:00PM – 5:00PM, Rm. 6417

Speaker: Ethan Cotterill, Boston College

Title: Real inflection points of real linear series on real hyperelliptic curves (joint with I. Biswas and C. Garay López)

Logic, Games and Society

Meets: 4:15PM - 6:15PM, Rm. C201

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