CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
---------- Fall 2018 |Monday, October 29, 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.

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MONDAY, October 29th

Student Dynamics Seminar
Meets: 12:00PM – 1:30PM, Rm. 5417
Speaker: NA
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: NA
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: Jozef Dodziuk
Title: Ubiquitous Laplacian

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TUESDAY, October 30th

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 3:00PM, Rm. 4214.03
Speaker: Jacob Russell, CUNY Graduate Center
Title: The Geometry of Complexes of Curves

Computational Logic Seminar
Meets: 2:00PM – 4:00PM, Rm. 3209
Speaker: Sergei Artemov, Graduate Center
Title: From BHK semantics to Justification Logic III.

CUNY Geometric Analysis Seminar
Website: http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html
Meets: 3:00PM - 4:00PM, Rm. 6496
Speaker: Xumin Jiang, Rutgers University
Title: Minimal graphs in the hyperbolic space
Hyperbolic Geometry Seminar
Website: https://sites.google.com/site/hyperbolicgeometryseminar/home
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker: Andrew Yarmola, Princeton
Title: Circle packings and Delaunay circle patterns for complex projective structures

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 3212
Speaker: David Fisher, Indiana
Title: Group actions, warped cones and expanders

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: Ruojun Huang, NYU
Title: On some instances of random walk in changing environment

Student Set Theory Seminar
Website: https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar/[coreyswitzer.wordpress.com]
Meets: 4:15PM – 5:45PM, Rm. 4214.03
Speaker: NA
Title: NA

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 6:30PM – 8:00PM, Rm. 4214.03
Speaker: Simon Heller, CUNY
Title: Quantifier elimination and some consequences for a countable model of Presburger arithmetic expanded by a modest automorphism

WEDNESDAY, October 31st

Companion Meeting to K-theory Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: Martin Bendersky
Title: An introduction to the Adams conjecture

Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
11:45AM – 1:45PM, Rm. 6417
Speaker: Scott Wilson
Title: Almost Kahler identities and applications

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]  
Meets: 2:00PM – 4:00PM, Rm. 6417  
Speaker: Martin Bendersky  
Title: The Adams conjecture and Morava E-theory

**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: Ieke Moerdijk, University of Utrecht.  
Title: The topos of dendroidal sets.

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**THURSDAY, November 1st**

**Symbolic-Numeric Computing Seminar**  
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html  
Meets: 3:30PM – 4:30PM, 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- 4:45PM, Rm. 605 (NYU, Courant Institute)  
Speaker: Charlotte Chan, Princeton University  
Title: TOWARDS A DELIGNE-LUSTIG THEORY FOR p-ADIC GROUPS  
Tea: 5:00PM – 5:30PM served in Room 317 (Warren Weaver Hall)  
NOTE: The RTG talk is aimed at graduate students and post-docs.
New York Joint Columbia-CUNY-NYU Number Theory Seminar  
Meets: 5:30PM - 7:00PM, Rm 317(Warren Weaver Hall, 251 Mercer St.)  
Speaker: Charlotte Chan, Princeton University  
Title: TOWARDS A DELIGNE-LUSTIG THEORY FOR \(p\)-ADIC GROUPS  
Tea: 5:00PM – 5:30PM served in Room 317

Phenomenology Reading Group  
Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)  
Speaker:  
Title: NA

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FRIDAY, November 2nd

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](https://nylogic.github.io/set-theory-seminar.html)  
Meets: 10:00AM - 12:00PM, Rm. 6417  
Speaker:  
Title: NA  
No Meeting Today.

Kolchin Seminar in Differential Algebra  
Website: [https://cs.nyu.edu/~pogudin/ksda/](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](http://userhome.brooklyn.cuny.edu/gardiner/notes.html)  
Meets: 10:30AM - 12:00PM, Rm.4214.03  
Speaker:  
Title: NA

GC MathFest Fall 2018  
Website: [https://www.gc.cuny.edu/CUNY_GC/media/CUNY-Graduate-Center/PDF/Mathematics/Mathfest_Fall-2018-Final_5.pdf](https://www.gc.cuny.edu/CUNY_GC/media/CUNY-Graduate-Center/PDF/Mathematics/Mathfest_Fall-2018-Final_5.pdf)  
Meets: 10:30AM – 3:45M, Rm. Math Lounge, 4th Floor  
Speaker: Various Speakers  
Title: NA

New York Combinatorics Seminar  
Website: [http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar](http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar)  
Meets: 11:45AM - 12:45PM, Rm. 4419  
Speaker: Moshe Cohen (Vassar College)  
Title: The space of geometric realizations of matroids arising from line arrangements
Study Group in Number Theory
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: 
Title: No Meeting Today.

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: TBA
Title: Families and Deformations

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/FALL_2018
Meets: 2:00PM – 3:00PM, Rm. 4434
Speaker: WonGeun Kim
Title: "Toric varieties and convex 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: 
Title: NA

CUNY Logic Workshop
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM – 3:30PM, Rm. 6417
Speaker: 
Title: No Meeting Today.
Discrete Geometry Seminar
Website: https://geometrynyc.wixsite.com/home/nyc-geometry-seminar
Meets: 3:30PM – 4:30PM, Rm. 3212 *Special Time and Room*
Speaker: Ben Lund, Princeton
Title: Erdos Distinct Distance Problem in Finite Fields

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 – 3:00PM, Rm. 3309
Speaker: Dr. Sixian Jin, Fordham University
Title: Series representations of martingales using Malliavin calculus and their applications on finance—pricing problems

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: Various Speakers
Title: "The elementary theory of groups and group rings"- Conference Meeting

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: No Meeting Today.

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2018
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Various Speakers
Title: Ben Fine's 70 conference

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: Ben Blum-Smith (Eugene Lang College / The New School)
Title: Cohen-Macaulayness of invariant rings is determined by inertia groups

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MONDAY, November 5, 2018

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: Jason Behrstock
Title: TBA

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TUESDAY, November 6th

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 3:00PM, Rm. 4214.03
Speaker: Jacob Russell
Title: The Geometry of Complexes of Curves

CUNY Geometric Analysis Seminar
Website: http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html
Meets: 3:00PM - 4:00PM, Rm. 6496
Speaker:
Title: No Meeting Today.

Hyperbolic Geometry Seminar
Website: https://sites.google.com/site/hyperbolicgeometryseminar/home
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker:
Title: NA

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 3212
Speaker:
Title: No Meeting Today.
CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: Lisa Hartung, Courant Institute
Title: TBA

Student Set Theory Seminar
Website: 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: Simon Heller, CUNY
Title: Quantifier elimination and some consequences for a countable model of Presburger arithmetic expanded by a modest automorphism.

WEDNESDAY, November 7th

Companion Meeting to K-theory Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: Micah Miller
Title: A primer of homotopy colimits

Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
11:45AM – 1:45PM, Rm. 6417
Speaker:
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]
Meets: 2:00PM – 4:00PM, Rm. 6417
Speaker:
Title: NA

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, November 8th

Symbolic-Numeric Computing Seminar
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html
Meets: 3:30PM – 4:30PM, Rm. 9116
Speaker: Frank Sottile, Texas A&M University
Title: TBA

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(CUNY Graduate Center)
Speaker: Melanie Wood, University of Wisconsin
Title: NON-ABELIAN COHEN-LENSTRA DISTRIBUTIONS
Tea: 5:00PM – 5:30PM served in Room 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 (CUNY Graduate Center)
Speaker: Melanie Wood, University of Wisconsin
Title: NON-ABELIAN COHEN-LENSTRA DISTRIBUTIONS
Tea: 5:00PM – 5:30PM served in Room 4102

Phenomenology Reading Group
Meets: 6:30PM – 8:30PM, Rm. 4214.03(Math Thesis Room)
Speaker:
Title: NA

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FRIDAY, November 9th

**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](https://nylogic.github.io/set-theory-seminar.html)  
Meets: 10:00AM - 12:00PM, Rm. 6417  
Speaker:  
Title: NA

**Kolchin Seminar in Differential Algebra**  
Website: [https://cs.nyu.edu/~pogudin/ksda/](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](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](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: Lindsay Dever, Bryn Mawr College  
Title: TBA

**Data Science and Applied Topology**  
Website: [http://cunygc.appliedtopology.nyc/](http://cunygc.appliedtopology.nyc/)  
Meets: 11:45AM - 12:45PM, Rm. 3209  
Speaker: Mikael Vejdemo-Johansson, CUNY Graduate Center and CUNY College of Staten Island  
Title: Algebra of Persistence and Cohomology (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](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](https://fyemath.github.io/hodge-seminar.html)
Meets: 1:30PM – 3:30PM, Rm. 4214.03
Speaker: NA
Title: NA

**BEAG seminar (Beginners Explorations in Algebraic Geometry)**
Website: [https://lagcc-cuny.digication.com/beag/FALL_2018](https://lagcc-cuny.digication.com/beag/FALL_2018)
Meets: 2:00PM – 3:00PM, Rm. 4434
Speaker: NA
Title: NA

**Collaborative Number Theory Seminar**
Website: [http://qcpages.qc.cuny.edu/~msabitova/CNTS.html](http://qcpages.qc.cuny.edu/~msabitova/CNTS.html)
Meets: 2:00PM – 4:00PM, Rm. 6494
Speaker: NA
Title: NA

**Complex Analysis and Dynamics Seminar**
Website: [http://qcpages.qc.cuny.edu/~zakeri/seminar.html](http://qcpages.qc.cuny.edu/~zakeri/seminar.html)
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: Kealey Dias (BCC, CUNY)
Title: TBA

**CUNY Logic Workshop**
Website: [https://nylogic.github.io/logic-workshop.html](https://nylogic.github.io/logic-workshop.html)
Meets: 2:00PM – 3:30PM, Rm. 6417
Speaker: Philipp Rothmaler, CUNY
Title: NA

**Discrete Geometry Seminar**
Website: [https://geometrynyc.wixsite.com/home/nyc-geometry-seminar](https://geometrynyc.wixsite.com/home/nyc-geometry-seminar)
Meets: 3:30PM – 4:30PM, Rm. 3212 *Special Time and Room*
Speaker: NA
Title: NA

**CUNY Representation Theory Seminar**
Meets: 2:00PM – 3:30PM, Rm. 3209
Speaker: NA
Title: NA

**Harmonic Analysis and PDE’s Seminar**
Website: [https://sites.google.com/site/mathphysseminar/](https://sites.google.com/site/mathphysseminar/)
Meets: 2:30PM – 3:30PM, Rm. 3309 (Special Time)
Speaker: Dr. Stefan Steinerberger, Yale University
Title: Oscillations of Fourier series, Quantitative Sturm-Liouville Theory and PDEs

**Kolchin Afternoon Seminar in Differential Algebra**
Website: [https://ksda.ccny.cuny.edu/gradcenter.html](https://ksda.ccny.cuny.edu/gradcenter.html)
Meets: 2:00PM – 4:00PM, Rm. 5382
Speaker: NA
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:
Title: NA

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2018
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Catherine Pfaff, Queen’s University at Kingston
Title: Random automorphisms of free groups and what happens when you iterate them.

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