CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
---------- Fall 2018 | Monday, November 12, 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.

The College will be closed November 22nd and 23rd for the Thanksgiving Holiday!
No classes and seminars are scheduled.

-----------------------------------------------------------------------------------------------

MONDAY, November 12, 2018

Student Dynamics Seminar
Meets: 12:00PM – 1:30PM, Rm. 5417
Speaker: 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

Graduate Student Colloquium
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium
Meets: 4:15PM – 5:00PM, Rm. 5417
Speaker: NA

-----------------------------------------------------------------------------------------------

TUESDAY, November 13th

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 3:00PM, Rm. 4214.03
Speaker: Dan Berlyne
Title: TBA

Computational Logic Seminar
Website: https://nylogic.github.io/ [nylogic.github.io]
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: Siyi Zhang, Princeton University
Title: A conformally invariant gap theorem characterizing complex projective space via the Ricci flow

Hyperbolic Geometry Seminar
Website: https://sites.google.com/site/hyperbolicgeometryseminar/home
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker: 
Title: 
No meeting today.

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 3212
Speaker: Ilya Kapovich, CUNY
Title: Index properties of random automorphisms of free groups

CUNY Probability Seminar
Website: https://probabilitycommons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: Thomas Mountford, École Polytechnique Fédérale de Lausanne
Title: Critical values for renewal contact processes

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: Ben Goodman
Title: TBA

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 14th

Companion Meeting to K-theory Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: Alexander Milivojevic
Title: Setting up the Frölicher spectral sequence
Almost Complex Geometry
Website: http://qcpages.qc.cuny.edu/~swilson/ACGsem.html
11:45AM – 1:45PM, Rm. 6417
Speaker: Collaborative Speakers
Title: Problems and Techniques (with a view towards calculations)

Algebraic & Numerical Computation
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: NA

Geometric Group Theory Seminar
Meets: 12:00PM- 2:00PM, Rm. 4213.03
Speaker: NA

Introduction of Dynamical Systems
Meets: 2:00PM - 4:00PM, Rm. 4214.03
Speaker: NA

K-Theory & Beyond: A Learning Seminar
Website: https://www.zeinalian.com/seminar/[zeinalian.com]
Meets: 2:00PM – 4:00PM, Rm. 6417
Speaker: Alexander Milivojevic
Title: Calculations with the Frölicher spectral sequence

Algebraic Topology Seminar
Website: http://math.hunter.cuny.edu/mbenders/seminar.html
Meets: 4:30PM - 5:30PM, Rm. 4214.03
Speaker: NA

NYC Category Theory Seminar
Website: http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html
Meets: 7:00PM - 8:30PM, Rm. 6417
Speaker: John Connor, The Graduate Center, CUNY
Title: Intuitionistic Epistemic Logic and Propositional Truncation in the Type Theory.

THURSDAY, November 15th

Symbolic-Numeric Computing Seminar
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html
Meets: 3:30PM – 4:30PM, Rm. 9116
Speaker: NA
Title: NA
New York Number Theory Seminar
Website: http://www.math.rutgers.edu/~bumby/nyntsem/
Meets: 3:00PM - 4:00PM, Rm. 4419
Speaker: Yin Choi Cheng, CUNY Graduate Center
Title: Automaticity of the sequences of the least nonzero digit of $n!$ in base 2 through 11

Research Training Group in Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS31.html
Meets: 4:00PM- 4:45PM, Rm. 622 (Columbia University)
Speaker: Samit Dasgupta, Duke University
Title: EXPLICIT FORMULAE FOR STARK UNITS AND HILBERT'S 12th PROBLEM
Tea: 5:00PM – 5:30PM served 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: Samit Dasgupta, Duke University
Title: EXPLICIT FORMULAE FOR STARK UNITS AND HILBERT'S 12th PROBLEM
Tea: 5:00PM – 5:30PM served in 5th Floor Math Lounge

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

FRIDAY, November 16th

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:
Title: No meeting today.

Kolchin Seminar in Differential Algebra
Website: https://cs.nyu.edu/~pogudin/ksda/
Meets: 10:00AM – 11:30AM, Rm. 5382
Speaker: Boris Kramer, MIT
Title: TBA

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: NA

Study Group in Number Theory
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: NA

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 12:45PM, Rm. 3209
Speaker: Art Dikyom
Title: Shape recognition with tangent complexes

Student Seminar of Algebraic and Numerical Algorithms
Meets: 11:45AM - 1:45PM, Rm. 3308
Speaker: NA

Model Theory Seminar
Website: http://nylogic.org/model-theory
Meets: 12:30PM - 1:45PM, Rm. 6417
Speaker: 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: NA
Title: NA

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/FALL_2018
Meets: 2:00PM – 3:00PM, Rm. 4433
Speaker: Roy Berglund
Title: "Cryptography and algebraic geometry"

Collaborative Number Theory Seminar
Website: 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
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: Wenbo Sun, Ohio State University
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: Henry Towsner, University of Pennsylvania
Title: Nonstandard analysis and new standard proof of the containers theorem

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:
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/](https://sites.google.com/site/mathphysseminar/)
Meets: 2:00PM – 3:00PM, Rm. 3309
Speaker: Dr. Zhenfu Wang, UPENN
Title: Quantitative estimates of propagation of chaos for large systems of particles

Kolchin Afternoon Seminar in Differential Algebra
Website: [https://ksda.ccny.cuny.edu/gradcenter.html](https://ksda.ccny.cuny.edu/gradcenter.html)
Meets: 2:00PM – 3:00PM, Rm. 5382
Speaker:
Title: NA

Algebra and Cryptography Seminar
Website: [http://www.sci.ccny.cuny.edu/~shpil/algcryp.html](http://www.sci.ccny.cuny.edu/~shpil/algcryp.html)
Meets: 2:30PM – 4:30PM, Rm. 3307
Speaker: Alexander A. Mikhalev, Moscow State University
Title: Nonassociative algebraic structures in coding and cryptography

Automorphic Forms Student Seminar
Website: [https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar](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](https://sites.google.com/site/nygrouptheory/fall2018)
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Ben Steinberg
Title: Homological Finiteness Conditions for One-relator Monoids

Commutative Algebra & Algebraic Geometry Seminar
Webpage: [http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html](http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html)
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: Hans Schoutens, CUNY
Title: Total blow-up ring along a valuation.
MONDAY, November 19, 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:
Title: NA

-------------------------------------------------------------------------------------------------------

TUESDAY, November 20th

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

CUNY Geometric Analysis Seminar
Website: http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html
Meets: 3:00PM - 4:00PM, Rm. 6496
Speaker: Stephen Kleene, University of Rochester
Title: TBA

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:
Title:
No meeting today.
CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:15PM, Rm. 5417
Speaker: NA
Title: NA

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: Corey Switzer
Title: TBA

Models of Peano Arithmetic
Website: https://nylogic.github.io/MOPA.html
Meets: 6:30PM – 8:00PM, Rm. 4214.03
Speaker: NA
Title: NA

--------------------------------------------------------------------

WEDNESDAY, November 21st

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

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

Algebraic & Numerical Computation
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker: NA
Title: NA

Geometric Group Theory Seminar
Meets: 12:00PM- 2:00PM, Rm. 4213.03
Speaker: NA
Title: NA

Introduction of Dynamical Systems
Meets: 2:00PM - 4:00PM, Rm. 4214.03
Speaker: NA
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: Adams e-invariant

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 22nd
Thanksgiving Recess. GC is closed.

FRIDAY, November 23rd
Thanksgiving Recess. GC is closed.