Dear Mathematics Community,

Beginning this month, we will be implementing the use of a Listserv for the GC Seminar Bulletin. We will use it as a communication tool by the PhD Program in Mathematics for conveying the usual seminar information. The GC Seminar Bulletin Listserv will replace emails directly from the MathSeminars mailbox.

- For the week of February 11th & February 19th, you should receive 2 copies of the Seminar Bulletin – once through the normal email and once through the listserv
- Starting the week of February 25th, the Seminar Bulletin will be sent through the listserv only

Listserv will allow users to specify their preferred email to receive the information.
- We have automatically subscribed all email addresses that have been on our email lists.
- If you would like to change your email address to receive the information, subscribe or unsubscribe to these lists, please visit: https://gc.listserv.cuny.edu/Scripts/wa-gc.exe?A0=MATHSEMINARGC.

Thank you,
Debbie Silverman, APO
Velvet Lattimore, College Assistant
PhD Program in Mathematics
CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
---------- Spring 2019 |Monday, February 11, 2019 ----------

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, February 11th

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: 10:45AM – 12:45PM, Rm. 6417 (Special Time)
Speaker: Andre Joyal, Université du Québec à Montréal
Title: Duality in (higher) topos theory.
Tea: 3:30PM, Served in Rm. 6417

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: Andre Joyal, Université du Québec à Montréal
Title: A generalised Blakers-Massey theorem in higher toposes.

Graduate Student Colloquium
Website: 
https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium
Meets: 4:15PM – 5:00PM, Rm. 5417
Speaker: Scott Wilson, CUNY Graduate Center
Title: The ubiquitous de Rham complex

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TUESDAY, February 12th

No seminar today. Lincoln’s Birthday observed. GC is closed.

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**WEDNESDAY, February 13th**

**Topology, Geometry, and Physics Seminar**
Website: [https://www.zeinalian.com/seminar](https://www.zeinalian.com/seminar)
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: Prof. Manuel Rivera
Title: Categorical and algebraic constructions related to path spaces.

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

**Topology, Geometry, and Physics Seminar**
Website: [https://www.zeinalian.com/seminar](https://www.zeinalian.com/seminar)
Meets: 2:00PM – 4:00PM, Rm. 6417
Speaker: Prof. André Joyal
Title: Goodwillie's calculus of functors and higher topos theory.

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

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

**NYC Category Theory Seminar**
Website: [http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html](http://www.sci.brooklyn.cuny.edu/~noson/CTseminar.html)
Meets: 7:00PM - 8:30PM, Rm. 6417
Speaker:
Title: NA

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**THURSDAY, February 14th**

**Algebraic & Numerical Computation**
Meets: 2:00PM - 6:15PM, Rm. 3307
Speaker:
Title: NA

**CUNY Geometric Analysis Seminar**
Website: [http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html](http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html)
Meets: 2:40PM - 4:00PM, Rm. 6496
Speaker:
Title: NA
No seminar today
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: Kevin O'Bryant, CUNY
Title: The error in the zero-counting function for Dirichlet L-functions

Nonlinear Analysis Seminar
Website: https://www.math.csi.cuny.edu/~mlucia/GCactivities.html
Meets: 4:15PM - 5:15PM, Rm. 6496
Speaker:
Title: NA

Research Training Group in Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS32.html
Meets: 4:00PM- 5:00PM, Rm. 622
Speaker: Adrian Diaconu, University of Minnesota
Title: Moments of L-Functions
Tea: 5:00PM – 5:30PM, served in the 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/ScheduleJointNTS32.html
Meets: 5:30PM - 7:00PM, Rm. 417
Speaker: Adrian Diaconu, University of Minnesota
Title: Moments of L-Functions
Tea: 5:00PM – 5:30PM, served in the 5th Floor Math Lounge

Phenomenology Reading Group
Meets: 6:30PM – 8:30PM, Rm. 4214.03
Speaker:
Title: NA

FRIDAY, February 15th

Number Theory Student Seminar
Meets: 10:00AM – 11:30M, Rm. 4419
Speaker: Kaare Gjaldbaek, CUNY Graduate Center
Title: Lattice points in sectors

Set Theory Seminar
Website: https://nylogic.github.io/set-theory-seminar.html
Meets: 10:00AM - 12:00PM, Rm. 6417
Speaker: Dan Saattrup Nielsen, University of Bristol
Title: Level-by-level virtual large cardinals
Kolchin Seminar in Differential Algebra
Website: https://cs.nyu.edu/~pogudin/ksda/
Meets: 10:00AM – 11:30AM, Rm. 5382
Speaker: Jason Bell, University of Waterloo
Title: Invariant hypersurfaces and ideals invariant under an endomorphism or a derivation

Extremal Length Seminar
Website: http://userhome.brooklyn.cuny.edu/gardiner/notes.html
Meets: 10:30AM - 12:00PM, Rm. 4214.03
Speaker: Fred Gardiner
Title: More about Smale’s mean value conjecture and the search for a polynomial model of elements in the periodic table.

New York Combinatorics Seminar
Website: http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar
Meets: 11:45AM - 12:45PM, Rm. 4419
Speaker: Nadia Benakli, City Tech, CUNY
Title: NA

Study Group in Number Theory
Website: http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html
Meets: 11:45AM - 1:45PM, Rm. 3307
Speaker:
Title: NA

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 1:45PM, Rm. 3209
Speaker: Mathieu Carrière
Title: NA

Model Theory Seminar
Website: https://nylogic.github.io/model-theory-seminar.html [nylogic.github.io]
Meets: 12:30PM - 1:45PM, Rm. 6417
Speaker: Rebecca Coulson, West Point Military Academy
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: Variations of Hodge Structures I

Symbolic-Numeric Computing Seminar
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html
Meets: 2:00PM –3:00PM, Rm. 5382 (Special time and Day)
Speaker: Harm Derksen, University of Michigan
Title: Singular Values of Tensors
Collaborative Number Theory Seminar
Website: http://qcpages.qc.cuny.edu/~msabitova/CNTS.html
Meets: 2:00PM – 3:30PM, 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: Han Li, Wesleyan University
Title: Masser’s Conjecture on Equivalence of Integral Quadratic Forms

CUNY Logic Workshop
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM – 3:45PM, Rm. 6417
Speaker: Roman Kossak, CUNY
Title: 60 Years of the MacDowell-Specker Theorem

Discrete Geometry Seminar
Website: https://geometrynyc.wixsite.com/home/nyc-geometry-seminar
Meets: 2:00PM – 4:00PM, Rm. 4419
Speaker: NA
Title: NA

Harmonic Analysis and PDE’s Seminar
Website: https://sites.google.com/site/mathphysseminar/
Meets: 2:00PM – 4:00PM, Rm. 3309
Speaker: Dr. Alex Iosevich, Rochester University
Title: NA

Kolchin Afternoon Seminar in Differential Algebra
Website: 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 – 3:30PM, Rm. 3307
Speaker: NA
Title: NA

BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/SPRING_2019
Meets: 3:00PM – 4:00PM, Rm. 4433
Speaker: NA
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/new-york-group-theory-seminar/spring-2019
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Cagalar Uyanik, Yale University
Title: Atoroidal dynamics of subgroups of Out (F_N)

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: Giovan Battista Pignatti, CUNY Graduate Center
Title: Reinterpreting birational geometry through the theory of valuation rings.

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MONDAY, February 18th
No seminar today. President’s Day observed. GC is closed.

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TUESDAY, February 19th

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

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

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meets: 4:15PM - 5:15PM, Rm. 6496
Speaker: Andrew Yarmola, Princeton
Title: NA

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meets: 4:15PM – 5:30PM, Rm. 5417
Speaker: Antonia Foldes, College of Staten Island and the CUNY Graduate Center
Title: Random walks on some planar structures
Student Set Theory Seminar
Website: https://coreyswitzer.wordpress.com/cuny-student-set-theory-seminar
Meets: 4:15PM – 5:45PM, Rm. 4214.03
Speaker: NA

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WEDNESDAY, February 20th

Topology, Geometry, and Physics Seminar
Website: https://www.zeinalian.com/seminar
Meets: 10:00AM - 11:30AM, Rm. 6417
Speaker: NA

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

Topology, Geometry, and Physics Seminar
Website: https://www.zeinalian.com/seminar
Meets: 2:00PM – 4:00PM, Rm. 6417
Speaker: NA

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

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

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THURSDAY, February 21st

Algebraic & Numerical Computation
Meets: 2:00PM - 6:15PM, Rm. 3307
Speaker: NA
CUNY Geometric Analysis Seminar
Website: http://www.sci.ccny.cuny.edu/~bsantoro/GCSeminar.html
Meets: 2:40PM - 4:00PM, Rm. 6496
Speaker: Lucas Ambozio, IAS
Title: NA

Symbolic-Numeric Computing Seminar
Website: http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html
Meets: 3:30PM – 4:30PM, Rm.
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

Nonlinear Analysis Seminar
Website: https://www.math.csi.cuny.edu/~mlucia/GCactivities.html
Meets: 4:15PM - 5:15PM, Rm. 6496
Speaker:
Title: NA

Research Training Group in Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS32.html
Meets: 4:00PM- 5:00PM, Rm. 805 NYU, Courant Institute
Speaker: Vaidehee Thatte, SUNY Binghamton
Title: RAMIFICATION THEORY FOR ARBITRARY VALUATION RINGS IN POSITIVE CHARACTERISTIC
Tea: 5:00PM – 5:30PM, served in Rm. 317 Warren Weaver Hall (251 Mercer St.)
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/ScheduleJointNTS32.html
Meets: 5:30PM - 7:00PM, Rm. 317, Warren Weaver Hall (251 Mercer St.)
Speaker: Vaidehee Thatte, SUNY Binghamton
Title: RAMIFICATION THEORY FOR ARBITRARY VALUATION RINGS IN POSITIVE CHARACTERISTIC
Tea: 5:00PM – 5:30PM, served in Rm. 317

Phenomenology Reading Group
Meets: 6:30PM – 8:30PM, Rm. 4214.03
Speaker:
Title: NA

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FRIDAY, February 22nd

**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: Joseph Van Name, CUNY  
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: Malabika Pramanik, University of British Columbia  
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**  
Website: [http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html](http://fsw01.bcc.cuny.edu/cormac.osullivan/Research/number_theory.html)  
Meets: 11:45AM - 1:45PM, Rm. 3307  
Speaker: Dan White, Bryn Mawr College  
Title: NA

**Data Science and Applied Topology**  
Website: [http://cunygc.appliedtopology.nyc/](http://cunygc.appliedtopology.nyc/)  
Meets: 11:45AM - 1:45PM, Rm. 3209  
Speaker:  
Title: NA

**Model Theory Seminar**  
Website: [https://nylogic.github.io/model-theory-seminar.html](https://nylogic.github.io/model-theory-seminar.html)  
Meets: 12:30PM - 1:45PM, Rm. 6417  
Speaker: Rebecca Coulson, West Point Military Academy  
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

Collaborative Number Theory Seminar
Website: http://qcpages.gc.cuny.edu/~msabitova/CNTS.html
Meets: 2:00PM – 3:30PM, Rm. 6494
Speaker:
Title: NA

Complex Analysis and Dynamics Seminar
Website: http://qcpages.gc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: Fabio Tal, Universidade de Sao Paulo
Title: NA

CUNY Logic Workshop
Website: https://nylogic.github.io/logic-workshop.html
Meets: 2:00PM – 3:45PM, Rm. 6417
Speaker: Cameron Freer, Harvard University
Title: NA

Discrete Geometry Seminar
Website: https://geometrynyc.wixsite.com/home/nyc-geometry-seminar
Meets: 2:00PM – 4:00PM, Rm. 4419
Speaker: Steven Hoehner, Farmingdale State College
Title: An almost sharp concentration inequality for random polytopes and Dirichlet-Voronoï tiling numbers

Harmonic Analysis and PDE’s Seminar
Website: https://sites.google.com/site/mathphysseminar/
Meets: 2:00PM – 4:00PM, Rm. 3309
Speaker:
Title: NA
No presentation today

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
BEAG seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/SPRING_2019
Meets: 3:00PM – 4:00PM, Rm. 4433
Speaker: Jorge Pineiro
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/new-york-group-theory-seminar/spring-2019
Meets: 4:00PM – 5:30PM, Rm. 5417
Speaker: Jennifer Taback, Bowdoin College
Title: Growth and medium-scale curvature in solvable Baumslag-Solitar groups

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:15PM – 5:15PM, Rm. 6417
Speaker:
Title: NA

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