

**CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics**  
----- **Spring 2017 | No. 10 | Monday, April 10<sup>th</sup>, 2017** -----

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 three 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](mailto:mathseminars@gc.cuny.edu).

**MONDAY, APRIL 10TH**

Spring Break at GC, no meeting today.

---

**TUESDAY, APRIL 11TH**

Spring Break at GC, no meeting today.

---

**WEDNESDAY, APRIL 12TH**

Spring Break at GC, no meeting today.

---

**THURSDAY, APRIL 13TH**

Spring Break at GC, no meeting today.

---

**FRIDAY, APRIL 14TH**

Spring Break at GC, no meeting today.

---

**MONDAY, APRIL 17TH**

Spring Break at GC, no meeting today.

---

**TUESDAY, APRIL 18TH**

Spring Break at GC.

**BEAG seminar (Beginners Explorations in Algebraic Geometry)**

Meets: 12:00PM – 2:00PM, Rm. 4214.03

Speaker: Johann Thiel (City Tech)

Title: "The Weierstrass p-function"

---

**WEDNESDAY, APRIL 19TH**

**Dynamics and Analysis Student Seminar**

Meets: 10:30AM – 12:00PM, Rm. 4214.03

Speaker: TBA

Title: TBA

**Dynamics and Complex Analysis Research Seminar**

Website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/2017SpringWedSeminar.pdf>

Meets: 2:00PM – 4:00PM, Rm. 4214.03

Speaker: Christian Wolf (City College and CUNY Graduate Center)

Title: "On computability of rotation sets and their entropy"

**NYC Dynamics Seminar at CUNY & Yeshiva University**

Website: <http://nycdynamics.org/>

Meets: 5:00PM – 7:00PM,

Speaker: TBA

Title: TBA

**Models of Peano Arithmetic**

Website: <https://boolesrings.org/victoriagitman/cuny-mopa-seminar/>,  
[www.nylogic.org/mopa](http://www.nylogic.org/mopa)

Meets: 6:15PM - 8:00PM, Rm. 4214.03

Speaker: Athar Abdul-Quader (CUNY)

Title: "Interstructure lattices and Coded Sets II"

**NYC Category Theory Seminar**

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

Speaker: TBA

Title: TBA

-----

**THURSDAY, APRIL 20TH**

(GC follows Monday schedule)

**Reading Seminar on Quasi-Conformal Mappings**

Meets: 12:00PM – 1:30PM, Rm. 4214.03

Speaker: TBA

Title: TBA

**Algebraic and Numerical Computations**

Meets: 2:00PM – 6:15PM, Rm. 3307

Speaker: TBA

Title: TBA

**CUNY Geometric Analysis Seminar**

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

Meets: 3:00PM – 4:00PM, Rm. 6496

Speaker: TBA

Title: TBA

**New York Number Theory Seminar**

Website:

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

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

Speaker: TBA

Title: TBA

### **Symbolic-Numeric Computing Seminar**

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

Meets: 1:30PM – 4:00PM, Rm. 9116

Speaker: TBA

Title: TBA

### **Research Training Group in Number Theory Seminar**

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS28.html>

Meets: 4:00PM – 4:45PM, Columbia University Rm. 622

Speaker: Marcus du Sautoy (Oxford University)

Title: "Zeta Functions of Groups"

Tea: 5:00PM - 5:30PM, in Math Lounge on the 5th floor

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/ScheduleJointNTS28.html>

Meets: 5:30PM – 7:00PM, Columbia University Rm. 312

Speaker: Marcus du Sautoy (Oxford University)

Title: "Zeta Functions of Groups"

Tea: 5:00PM - 5:30PM, in Math Lounge on the 5th floor

### **Phenomenology Reading Group**

Meets: 6:30PM – 8:00PM, Rm. 4214.03

Speaker: TBA

Title: TBA

---

## **FRIDAY, APRIL 21ST**

### **Number Theory Student Seminar**

Meets: 10:00AM – 11:30M, Rm. 4419

Speaker: TBA

Title: TBA

### **Set Theory Seminar**

Website: <https://boolesrings.org/victoriagitman/cuny-set-theory-seminar/>,

<http://nylogic.org/set-theory>

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

Speaker: Filippo Calderoni (University of Turin)

Title: "The quandary of quandles part 2: The embeddability is more than complete"

### **Kolchin Seminar in Differential Algebra**

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

Meets: 10:00AM – 11:30AM, Rm. 5382

Speaker: Anand Pillay (Notre Dame University) (12:30–13:45 p.m, Room 6417)

Title: TBA

This is jointly organized with the Model Theory Seminar.

### **Extremal Length Seminar**

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

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

Speaker: TBA

Title: TBA

### **New York Applied Algebra Colloquium**

Website: <https://sites.google.com/site/nyalg2/>

Meets: 11:00AM - 12:00PM, Rm. 3209

Speaker: TBA

Title: TBA

### **New York Combinatorics Seminar**

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

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

Speaker: TBA

Title: TBA

April 22, 2017 (Saturday): Graph Theory Day 73

Organized by Ezra Halleck (City Tech), Kerry Ojakian (BCC), Louis Quintas (Pace Univ.)

### **Automorphic Forms Student Seminar**

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

Meets: 12:00PM – 1:30PM, Rm. 4214.03

Speaker: TBA

Title: TBA

### **Model Theory Seminar**

Website: <https://boolesrings.org/victoriagitman/cuny-model-theory-seminar/>,  
<http://nylogic.org/model-theory>

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

Speaker: TBA

Title: TBA

### **Algebraic Geometry Student Seminar**

Meets: 2:00PM – 4:00PM, Rm. 5212

Speaker: TBA

Title: TBA

### **Complex Analysis and Dynamics Seminar**

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

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

Speaker: Diana Davis (Williams College)

Title: "Interval Exchange Transformations from Tiling Billiards"

### **CUNY Logic Workshop**

Website: <https://boolesrings.org/victoriagitman/cuny-logic-workshop/>,  
<http://nylogic.org/workshop>

Meets: 2:00PM – 3:45PM, Rm. 6417

Speaker: TBA

Title: TBA

### **Dynamical System Ideas and Applications**

Meets: 10:00AM – 12:00PM, 2:00PM – 4:00PM, Rm. 4208

Speaker: TBA

Title: TBA

### **Kolchin Afternoon Seminar in Differential Algebra**

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

Meets: 2:00PM – 4:00PM, Rm. 5382

Speaker: TBA

Title: TBA

### **CUNY Representation Theory Seminar**

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

Meets: 2:00PM – 3:30PM, Rm. 3209

Speaker: TBA

Title: TBA

### **Algebra and Cryptography Seminar**

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

Meets: 2:30PM – 3:30PM, Rm. 3307

Speaker: TBA

Title: TBA

### **Collaborative Number Theory Seminar**

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

Meets: 3:00PM – 4:30PM, Rm. 3212

Speaker: Kimball Martin (University of Oklahoma)

Title: "Atkin-Lehner signs and congruences mod 2"

### **Applied Mathematics Seminar**

Meets: 4:00PM – 5:00PM, Rm. 6421

Speaker: TBA

Title: TBA

### **NY Group Theory Seminar**

Website: <https://sites.google.com/site/nygrouptheory/spring-2017>

Meets: 4:00PM – 5:30PM, Rm. 5417

Speaker: Khalid Bou-Rabee

Title: TBA

### **Commutative Algebra & Algebraic Geometry Seminar**

Webpage: [http://websupport1.citytech.cuny.edu/faculty/Selhitti/index\\_files/Page350.htm](http://websupport1.citytech.cuny.edu/faculty/Selhitti/index_files/Page350.htm)

Meets: 4:15PM – 5:15PM, Rm. 6417

Speaker: Sam van Gool (CUNY Graduate Center)

Title: TBA

### **Mathematical Physics, Fourier Analysis**

Website: [http://wfs.qc.cuny.edu/myarmolinksy/friday\\_seminar.html](http://wfs.qc.cuny.edu/myarmolinksy/friday_seminar.html)

Meets: 4:15PM - 5:15PM (talk) and 5:15PM -5:30PM (discussion) Rm. 4422

Speaker: Joey Iverson (University of Maryland)

Title: TBA

---

## MONDAY, APRIL 24TH

### Graduate Student Colloquium

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

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

Speaker: Benjamin Steinberg

Title: TBA

### Student Set Theory Seminar

Meets: 5:00PM – 6:30PM, Rm. 3307

Speaker: TBA

Title: TBA

-----

## TUESDAY, APRIL 25TH

### BEAG seminar (Beginners Explorations in Algebraic Geometry)

Meets: 12:00PM – 2:00PM, Rm. 4214.03

Speaker: TBA

Title: TBA

### Non-Linear Analysis Seminar Study

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

Meets: 12:45PM – 1:45PM, Rm. 5417

Speaker: TBA

Title: TBA

### Geometry & Topology Student Seminar

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

Meets: 1:30PM – 3:00PM, Rm. 3309

Speaker: TBA

Title: TBA

### Hyperbolic Geometry Seminar

Website: <http://wfs.gc.cuny.edu/dwhite2/www/hypgeo/index.html>

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

Speaker: Nicholas Vlamis (University of Michigan)

Title: TBA

Joint Meeting with CUNY Geometry and Topology Seminar in Room 3212 at 4:15pm.

### CUNY Geometry & Topology Seminar

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

Meets: 4:15PM - 6:15PM, Rm.3212

Speaker: TBA

Title: TBA

### CUNY Probability Seminar

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

Meets: 4:15PM – 5:30PM, Rm. 5417

Speaker: TBA

Title: TBA

**Study Group in Number Theory**

Meets: 5:00PM - 6:30PM, Rm. 4214.03

Speaker: TBA

Title: TBA

---

**WEDNESDAY, APRIL 26TH**

**Dynamics and Analysis Student Seminar**

Meets: 10:30AM – 12:00PM, Rm. 4214.03

Speaker: TBA

Title: TBA

**Dynamics and Complex Analysis Research Seminar**

Website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/2017SpringWedSeminar.pdf>

Meets: 2:00PM – 4:00PM, Rm. 4214.03

Speaker: Yunping Jiang (Queens College and CUNY Graduate Center)

Title: "Period doubling and period merging and renormalization in the tangent family."

**NYC Dynamics Seminar at CUNY & Yeshiva University**

Website: <http://nycdynamics.org/>

Meets: 5:00PM – 7:00PM, Yeshiva University, 215 Lexington Ave, Room 506

Speaker: Anton Solomko (University of Bristol)

Title: "On rank and isomorphism of von Neumann special flows"

**Models of Peano Arithmetic**

Website: <https://boolesrings.org/victoriagitman/cuny-mopa-seminar/>,  
[www.nylogic.org/mopa](http://www.nylogic.org/mopa)

Meets: 6:15PM - 8:00PM, Rm. 4214.03

Speaker: Athar Abdul-Quader (CUNY)

Title: "Interstructure lattices and Coded Sets III"

**NYC Category Theory Seminar**

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

Speaker: TBA

Title: TBA

---

**THURSDAY, APRIL 27TH**

**Reading Seminar on Quasi-Conformal Mappings**

Meets: 12:00PM – 1:30PM, Rm. 4214.03

Speaker: TBA

Title: TBA

**Algebraic and Numerical Computations**

Meets: 2:00PM – 6:15PM, Rm. 3307

Speaker: TBA

Title: TBA

### **CUNY Geometric Analysis Seminar**

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

Meets: 3:00PM – 4:00PM, Rm. 6496

Speaker: Liming Sun (Rutgers University)

Title: "Prescribed scalar curvature plus mean curvature flows in compact manifolds with boundary of negative conformal invariant"

### **New York Number Theory Seminar**

Website:

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

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

Speaker: TBA

Title: TBA

### **Symbolic-Numeric Computing Seminar**

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

Meets: 1:30PM – 4:00PM, Rm. 9116

Speaker: TBA

Title: TBA

### **Research Training Group in Number Theory Seminar**

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS28.html>

Meets: 4:00PM – 4:45PM, Rm. 4102

Speaker: Carlos Moreno (CUNY)

Title: "Ramifications Old and New of the Quadratic Reciprocity Law"

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/ScheduleJointNTS28.html>

Meets: 5:30PM – 7:00PM, Rm. 4102

Speaker: Carlos Moreno (CUNY)

Title: "Ramifications Old and New of the Quadratic Reciprocity Law"

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

### **Phenomenology Reading Group**

Meets: 6:30PM – 8:00PM, Rm. 4214.03

Speaker: TBA

Title: TBA

---

## **FRIDAY, APRIL 28TH**

### **Number Theory Student Seminar**

Meets: 10:00AM – 11:30M, Rm. 4419

Speaker: TBA

Title: TBA

### **Set Theory Seminar**



Website: <https://boolesrings.org/victoriagitman/cuny-set-theory-seminar/>,  
<http://nylogic.org/set-theory>  
Meets: 10:00AM - 12:00PM, Rm. 6417  
Speaker: Corey Switzer (CUNY)  
Title: TBA

### **Kolchin Seminar in Differential Algebra**

Website: <https://ksda.ccny.cuny.edu/gradcenter.html>  
Meets: 10:00AM – 11:30AM, Rm. 5382  
Speaker: TBA  
Title: TBA

### **Extremal Length Seminar**

Website: <http://userhome.brooklyn.cuny.edu/gardiner/notes.html>  
Meets: 10:00AM - 12:00PM, Rm. 4214.03  
Speaker: TBA  
Title: TBA

### **New York Applied Algebra Colloquium**

Website: <https://sites.google.com/site/nyalg2/>  
Meets: 11:00AM - 12:00PM, Rm. 3209  
Speaker: TBA  
Title: TBA

### **New York Combinatorics Seminar**

Website: <http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar/index.html>  
Meets: 11:45AM - 12:45PM, Rm. 4419  
Speaker: Apoorva Khare (Stanford University)  
Title: "The critical exponent: a novel graph invariant"

### **Automorphic Forms Student Seminar**

Website: <https://sites.google.com/site/gradcenterseminars/current-seminars/automorphic-forms-and-l-functions-student-seminar>  
Meets: 12:00PM – 1:30PM, Rm. 4214.03  
Speaker: TBA  
Title: TBA

### **Model Theory Seminar**

Website: <https://boolesrings.org/victoriagitman/cuny-model-theory-seminar/>,  
<http://nylogic.org/model-theory>  
Meets: 12:30PM - 1:45PM, Rm. 6417  
Defense of Dissertation  
Speaker: TBA  
Title: TBA

### **Algebraic Geometry Student Seminar**

Meets: 2:00PM – 4:00PM, Rm. 5212  
Speaker: TBA  
Title: TBA

### **Complex Analysis and Dynamics Seminar**

Website: <http://qcpages.qc.cuny.edu/~zakeri/seminar.html>  
Meets: 2:00PM - 3:30PM, Rm. 5417

Speaker: TBA  
Title: TBA

### **CUNY Logic Workshop**

Website: <https://boolesrings.org/victoriagitman/cuny-logic-workshop/>,  
<http://nylogic.org/workshop>  
Meets: 2:00PM – 3:45PM, Rm. 6417  
Speaker: TBA  
Title: TBA

### **Dynamical System Ideas and Applications**

Meets: 10:00AM – 12:00PM, 2:00PM – 4:00PM, Rm. 4208  
Speaker: Steve Smale (University of California, Berkeley)  
Title: "The Problem of the Mathematics of the Cell Cycle and The Emergence of Function"

### **Kolchin Afternoon Seminar in Differential Algebra**

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

### **CUNY Representation Theory Seminar**

Website: <https://sites.google.com/site/cunyrt/>  
Meets: 2:00PM – 3:30PM, Rm. 3209  
Speaker: Apoorva Khare (Stanford University)  
Title: "Highest weight modules to first order"

### **Algebra and Cryptography Seminar**

Website: <http://www.sci.ccny.cuny.edu/~shpil/algcryp.html>  
Meets: 2:30PM – 3:30PM, Rm. 3307  
Speaker: Alexander A. Mikhalev (Moscow State University)  
Title: "Combinatorics of Lyndon--Shirshov and Sturmian words"

### **Collaborative Number Theory Seminar**

Website: <http://qcpages.qc.cuny.edu/~msabitova/CNTS.html>  
Meets: 3:00PM – 4:30PM, Rm. 3212  
Speaker: TBA  
Title: TBA

### **Applied Mathematics Seminar**

Meets: 4:00PM – 5:00PM, Rm. 6421  
Speaker: TBA  
Title: TBA

### **NY Group Theory Seminar**

Website: <https://sites.google.com/site/nygrouptheory/spring-2017>  
Meets: 4:00PM – 5:30PM, Rm. 5417  
Speaker: Bob Gilman  
Title: TBA

### **Commutative Algebra & Algebraic Geometry Seminar**

Webpage: [http://websupport1.citytech.cuny.edu/faculty/Selhitti/index\\_files/Page350.htm](http://websupport1.citytech.cuny.edu/faculty/Selhitti/index_files/Page350.htm)  
Meets: 4:15PM – 5:15PM, Rm. 6417

No meeting today.

**Mathematical Physics, Fourier Analysis**

Website: [http://wfs.gc.cuny.edu/myarmolinksy/friday\\_seminar.html](http://wfs.gc.cuny.edu/myarmolinksy/friday_seminar.html)

Meets: 4:15PM - 5:15PM (talk) and 5:15PM -5:30PM (discussion) Rm. 4422

Speaker: Tobias Schaefer (College of Staten Island, GC CUNY)

Title: TBA

---

###