

**CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics**

----- Fall 2021 | Monday, December 13, 2021-----

***Seminar bulletin is on hiatus until January 31, 2022.***

*Most seminars are remote for Fall 2021.*

*Unless otherwise noted, you must go to the seminar website for connecting information.*

Seminars are listed below in chronological order and show information for the current week and the following week's seminars based on the information provided by the seminar organizer.

Always check the seminar's website (if provided) for the most current information including updates and abstracts. Special Events, if any, are listed at the end.

If you would like to sign up or change your email address to receive the weekly Seminar Bulletin, please visit: <https://gc.listserv.cuny.edu/Scripts/wa-gc.exe?SUBED1=MATHSEMINARGC&A=1>

All other matters related to the seminars should be sent to [mathseminars@gc.cuny.edu](mailto:mathseminars@gc.cuny.edu).

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**Monday, December 13**

**Student Research Seminar- Graduate Student Colloquium**

Website: [Seminars and Colloquia - 2021-2022 \(google.com\)](#)

Meets: 4:15PM-6:15PM, Online

Speaker: Alexey Ovchinnikov

Title: NA

Online- Contact Organizer: Mondal, Sayantika [smondal@gradcenter.cuny.edu](mailto:smondal@gradcenter.cuny.edu) and Jarvis, Samantha [sjarvis@gradcenter.cuny.edu](mailto:sjarvis@gradcenter.cuny.edu).

**Models of Peano Arithmetic**

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

Meets: 2:00PM- 3:00PM, Online (Different time and day)

Speaker: Cezary Cieřliński, University of Warsaw

Title: On the principle of disjunctive correctness

Online- Contact Organizer: Victoria Gitman ([vgitman@nylogic.org](mailto:vgitman@nylogic.org))

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**Einstein Chair Seminar**

Website: [Einstein Chair Mathematics Seminar \(cuny.edu\)](http://cuny.edu)

Meets: 6:30PM –8:00PM, Online

Speaker: Stephen Wolfram, Wolfram Research, Inc.

Title: Mathematics and Metamathematics of our Physics Project

Online - See Seminar Website

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**WEDNESDAY, December 15**

**The New York City Category Theory Seminar**

Website: [Category Theory Seminar \(cuny.edu\)](http://cuny.edu)

Meets: 7:00PM- 8:30PM, Online

Speaker: Samantha Jarvis, The CUNY Graduate Center

Title: Language as an Enriched Category.

Online - See Seminar Website

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

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>  
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM- 6:30PM, Online

Speaker: David Hansen, Max Planck Institute for Mathematics, Bonn

Title: LOCAL SHIMURA VARIETIES AND THEIR COHOMOLOGY

NOTE: The RTG talk is aimed at graduate students and post-docs.

Online - See Seminar Website

### **New York Joint Columbia-CUNY-NYU Number Theory Seminar**

Website: <http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS37.html>  
[\[math.columbia.edu\]](http://math.columbia.edu)

Meets: 5:30PM - 6:30PM, Online

Speaker: David Hansen, Max Planck Institute for Mathematics, Bonn

Title: LOCAL SHIMURA VARIETIES AND THEIR COHOMOLOGY

Online - See Seminar Website

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## **FRIDAY, December 17**

### **Automorphic Forms and Representations Study Group**

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

Meets: 9:30AM – 11:00AM, Online

Speaker:

Title: NA

Online - See Seminar Website

### **Extremal Length Seminar**

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

Meets: 9:00AM - 10:30AM, Online

Speaker:

Title: NA

Contact Organizer: Fred Gardiner ([frederick.gardiner@gmail.com](mailto:frederick.gardiner@gmail.com))

### **CUNY Representation Theory Seminar**

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

Meets: 10:00AM – 11:00AM, Online

Speaker:

Title: NA

Contact Organizer: Joshua Sussan ([jsussan@mec.cuny.edu](mailto:jsussan@mec.cuny.edu))

### **Seminar in Logic, Games and Philosophy- Philog Seminar**

Website: <https://philog.arthurpaulpedersen.org/>

Meets: 10:00AM - 11:00AM, Online

Speaker:

Title: NA

Online - See Seminar Website

### **Working Seminar on Nonlinear PDE**

Meets: 11:00AM - 12:00PM, Online

Speaker:

Title: NA

Online - Contact Organizer: [Marcello.Lucia@csi.cuny.edu](mailto:Marcello.Lucia@csi.cuny.edu)

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

Website: <https://sites.google.com/view/kolchin2021>

Meets: 11:10AM- 12:10PM, Online (Different day)

Speaker: Omar León Sánchez, University of Manchester

Title: A Poisson basis theorem for symmetric algebras

Online - See Seminar Website

Please note that this talk is on Friday, and not on Thursday as usual.

### **Data Science and Applied Topology**

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

Meets: 11:45AM - 12:45PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

### **Almost Complex Geometry**

Website: <http://qcpages.qc.cuny.edu/~swilson/ACGsem.html>

Meets: 12:00PM – 1:30PM, Online

Speaker:

Title: NA

Online - See Seminar Website

### **New York Combinatorics Seminar**

Website: [Seminar \(nycombinatorics.org\)](http://Seminar(nycombinatorics.org))

Meets: 12:00PM – 1:00PM, Online

Speaker: Sean English, University of Illinois at Urbana Champaign

Title: Lower Bounds on Generalized Ramsey Numbers via Color Energy

Contact Organizer: Sandra Kingan ([skingan@brooklyn.cuny.edu](mailto:skingan@brooklyn.cuny.edu))

### **Harmonic Analysis and PDE's Seminar**

Website: [http://math.hunter.cuny.edu/vmartine/seminar\\_HA-PDE\\_2021-fall.html](http://math.hunter.cuny.edu/vmartine/seminar_HA-PDE_2021-fall.html)

Meets: 1:00PM – 2:15PM, Online

Speaker: Peter Balazs, Director of Director of the Acoustics Research Institute, Austrian Academy of Sciences

Title: NA

Online - See Seminar Website.

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

Website: [Digication ePortfolio :: BEAG :: SPRING 2021](#)

Meets: 2:00PM – 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

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

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

Meets: 2:00PM - 3:00PM, Hyflex - (meaning in person Room 5417 & remote)

Speaker: David Aulicino, Brooklyn College and Graduate Center of CUNY

Title: Siegel-Veech Constants of Cyclic Covers of Marked Tori

Contact Organizer: Saeed Zakeri (Saeed.Zakeri@qc.cuny.edu)

### **CUNY Logic Workshop**

Website: [Logic Workshop | NYlogic](#)

Meets: 2:00PM - 3:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website.

**Set Theory Seminar**

Website: <https://nylogic.github.io/set-theory-seminar.html>

Meets: 2:00PM- 3:00PM, Online

Speaker:

Title: NA

Contact Organizer: Victoria Gitman ([vgitman@nylogic.org](mailto:vgitman@nylogic.org))

**Commutative Algebra & Algebraic Geometry Seminar**

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

Meets: 4:00PM – 5:00PM, Online

Speaker:

Title: NA

Online- Contact Organizer: Hans Schoutens ([hschoutens@citytech.cuny.edu](mailto:hschoutens@citytech.cuny.edu))

**NY Group Theory Seminar**

Website: [NY Group Theory Cooperative - Fall 2021 \(google.com\)](#)

Meets: 4:00PM- 5:00PM, Online

Speaker:

Title: NA

Online - See Seminar Website