

CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
----- **Fall 2013 | No. 11 | Tuesday, NOV. 12, 2013** -----

Unless otherwise noted, all seminars meet at the CUNY Graduate Center, 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.

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TUESDAY, NOV. 12TH

Differential Geometry Seminar

website: <http://qcpages.qc.cuny.edu/~dlee2/seminar.html>

Meets: 2:45PM - 4:00PM, Rm. 3207

Speaker: Hung Tran (Cornell Univ.)

Title: "The Weyl Tensor of Gradient Ricci Solitons"

Computational Logic Seminar

website: <http://nylogic.org/computational-logic-seminar>

Meets: 2:00PM - 4:00PM, Rm. 3309

Speaker: Melvin Fitting (Lehman College & The CUNY Graduate Center)

Title: "Realization Semantically"

Hyperbolic Geometry Seminar

website: <http://wfs.qc.cuny.edu/CArettines/hypgeo/index.html>

Meets: 3:00PM - 4:00PM, Rm. 4214-03

Speaker: Mr. Maxime Fortier Bourque (CUNY Graduate Center)

Title: "Inserting Long Cylinders in a Surface: the Effect on Fenchel-Nielsen Coordinates"

CUNY Probability Seminar

website: <http://www.math.csi.cuny.edu/probability/>

Meets: 4:15PM - 5:30PM, Rm. 5417 (please note special place today)

Speaker: Dmitry Ostrovsky (Lehigh Univ.)

Title: "Barnes Beta Distributions and Selberg Integral"

CUNY Geometry and Topology Seminar

website: <http://comet.lehman.cuny.edu/behstock/seminar/>

Meets: 4:00PM - 6:00PM, Rm. 3212

Speaker: Sara Maloni (Brown Univ.)

Title: "Combinatorial Methods on Actions on Character Varieties"

Study Group in Number Theory

Meets: 5:00PM - 6:30PM, Rm. 4214-03

Speaker: Joseph Lewittes (Lehman College & The CUNY Graduate Center)

Title: "Binary Quadratic Forms, IV"

WEDNESDAY, NOV. 13TH

Dynamics and Complex Analysis Student Seminar

website: <http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/StudentSeminars.htm>

Meets: 10:30AM - 12:00PM, Rm. 4214.03

Speaker: Mr. Marten Fels (CUNY Graduate Center)
Title: "Topological Entropy and the Mandelbrot Set, Tiozzo's Paper III"

Dynamics and Analysis Learning Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ResearchSeminars.htm>

Meets: 1:30PM - 3:00PM, Rm. 4214.03

Speaker: Ms. Yunchun Hu (CUNY Graduate Center)

Title: "One-point Symmetry and Symmetric Conjugacy"

Extremal Length Geometry Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ExtLengthSeminar.htm>

Meets: 3:00PM - 4:55PM, Rm. 4214-03

Speaker: Zhe Wang (Bronx Comm. College)

Title: "Quadratic Differentials on Gardiner's Book VI"

Models of Peano Arithmetic Seminar [MOPA Seminar]

website: <http://nylogic.org/MOPA>

Meets: 6:30PM - 8:00PM, Rm. 4214-03

Speaker: Alf Dolich (Kingsborough Comm. College)

Title: "How to make a Full Satisfaction Class"

THURSDAY, NOV. 14TH

Impromptu Seminar in Arithmetic Geometry

Meets: 11:00AM - 1:00PM, Rm. 4214-03

Speakers and topics will vary each week

Non-Linear Analysis Seminar & Study Group

website: <http://www.math.csi.cuny.edu/~mlucia/GCactivities>

Meets: 2:00PM - 4:00PM, Rm. 5417

Speaker: Mr. Ran Ji (CUNY Graduate Center)

Title: "The Asymptotic Dirichlet Problems on Manifolds with Negative Curvature"

New York Number Theory Seminar

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

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

Speaker: Kevin O'Bryan (College of Staten Island & The CUNY Graduate Center)

Title: "A Problem Motivated by Pade Approximation"

RTG New York Joint Columbia-CUNY-NYU Number Theory Seminar

website: <http://wfs.qc.cuny.edu/lzspiro/www/#jointsem>

Meets: 4:00PM - 4:45PM, Rm. C197 at Graduate Center

Speaker: Ben Howard (Boston College)

Title: "The Supersingular Locus of the $GU(2,2)$ Shimura Variety"

Tea: 5:00PM - 5:30PM, Rm. C197

Note: The RTG talk is aimed at graduate students and post-docs; regular faculty are requested not to attend

Computer Science Colloquium

website: <http://cslogic.info/colloquium/>

Meets: 4:15PM - 5:30PM, Rm. 9204/9205

Speaker: John Paisley (Columbia Univ.)

Title: "Bayesian Nonparametric Tree-Structured Topic Models and Big Data"

Followed by a wine and cheese reception in Rm. 4102 (Science Center), or Rm. 4214 (Math Lounge)

New York Joint Columbia-CUNY-NYU Number Theory Seminar

website: <http://wfs.gc.cuny.edu/lspiro/www/#jointsem>

Meets: 5:30PM - 7:00PM, Rm. C197 at Graduate Center

Speaker: Ben Howard (Boston College)

Title: "The Supersingular Locus of the GU (2,2) Shimura Variety"

Tea: 5:00PM - 5:30PM, Rm.C197

FRIDAY, NOV. 15TH

Set Theory Seminar

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

Meets: 10:00AM - 11:45AM, Rm. 6417

Speaker: Victoria Gitman (City College)

Title: "A Jónsson ω 1-Like Model of Set Theory"

Kolchin Seminar in Differential Algebra

website: <http://www.sci.cny.cuny.edu/~ksda/gradcenter.html>

Meets: 10:15AM - 11:45AM, Rm. 5382

Speaker: David Marker (Univ. of Illinois at Chicago)

Title: "Logarithmic-Exponential Series"

Number Theory Student Seminar

Meets: 10:00AM - 11:30AM, Rm. 8405

No meeting today (Integers Conference in Georgia)

New York Algebra Colloquium

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

Meets: 12:00PM, Rm. 3209 (please note special time)

Speaker: Catherine Pfaff (France)

Title: "Lone Axes in Outer Space"

New York Combinatorics Seminar

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

Meets: 11:30AM - 12:30PM, Rm. 4422

Speaker: Mohammad Nikouei (Stevens Institute of Technology)

Title: "Length Function for Weyl Groups of Extended Affine Root Systems of Type $A_{1\$}$ "

Model Theory Seminar

website: <http://nylogic.org/model-theory>

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

Speaker: Yevgeniy Vasilyev (Memorial Univ. of Newfoundland & Christopher Newport Univ.)

Title: "On Dense Independent Subsets of Geometric Structures"

Mathematical Aspects of Cryptography Student Seminar [AKA "Crypto Seminar"]

website: <https://sites.google.com/site/gccryptostudents/>
Meets: 1:00PM - 2:30PM, Rm. 8405
Speaker: Ms. Lisa Bromberg (CUNY Graduate Center)
Title: "Cycle Detection"

Complex Analysis and Dynamics Seminar

website: <http://qcpages.qc.cuny.edu/~zakeri/seminar.html>
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: Zhe Wang (Bronx Comm. College)
Title: "Motions on the Riemann Sphere"

CUNY Logic Workshop

website: <http://nylogic.org/workshop>
Meets: 2:00PM - 3:30PM, Rm. 6417
Speaker: Alice Medvedev (City College)
Title: TBA

CUNY Representation Theory Seminar

website: <https://sites.google.com/site/cunyr/>
Meet: 2:00PM - 3:00PM, Rm. 3209
Speaker: Venkatraman Lakshmibai (Northeastern)
Title: "Flag Varieties - Finite and Affine"

Algebra & Cryptography Seminar

website: <http://www.sci.ccny.cuny.edu/~shpil/algcryp.html>
Meets: 2:30PM - 3:30PM, Rm. 8405
Speaker: Delaram Kahrobaei (CityTech & The CUNY Graduate Center)
Title: "A CCA Secure Cryptosystem Using Matrices Over Group Rings"

Kolchin Afternoon Seminar in Differential Algebra

website: <http://www.sci.ccny.cuny.edu/~ksda/gradcenter.html>
Meets: 2:00PM - 5:00PM, Rm. 5382
Speaker: TBA
Title: TBA

Group Theory Student Seminar

Meets: 2:30PM - 3:30PM, Rm. 7395
Speaker: TBA
Title: TBA

Algebraic Number Theory Study Group

Meets: 3:30PM - 5:00PM, Rm. 4214-03
Speaker: TBA
Title: TBA

Commutative Algebra & Algebraic Geometry Seminar

website: <http://websupport1.citytech.cuny.edu/faculty/lghezzi/Ghezzi/Seminar.html>
Meets: 4:00PM - 5:00PM, Rm. 6417
Speaker: Janet Striuli (Fairfield Univ.)
Title: "Constructing Totally Reflexive Modules"

Mathematical Physics and Harmonic Analysis Seminars

website: <https://wfs.gc.cuny.edu/AParzygnat/mathphysarmanal.html>.

Meets: 4:00PM - 5:30PM, Rm. 8405
Speaker: Zhendong Sun (South China Univ. of Technology)
Title: "Stabilizing Design of Switched Linear System"

New York Group Theory Seminar [a.k.a. Magnus Group Theory Seminars]

website: <http://www.grouptheory.org/>
Meets: 4:00PM - 5:00PM, Rm. 5417
Speaker: Tim Riley (Cornell Univ.)
Title: "In words, Alas, Drown I"
Tea: 3:30PM - 4:00PM, Rm. 4214 (Math Lounge)

MONDAY, NOV. 18TH

Student Topology Seminar

website: <https://sites.google.com/site/jeremykennethmiller/home/student-topology-seminar>
Meets: 6:05PM - 7:05PM, Rm. 4214-03
Speaker: Martin Bendersky (Hunter College & The CUNY Graduate Center)
Title: "Formal Group Laws and MU"

TUESDAY, NOV. 19TH

Hyperbolic 3-Manifolds Reading Group

website: <http://www.math.csi.cuny.edu/abhijit/studentseminar/>
Meets: 12:00PM - 1:30PM, Rm. 3212
Speaker: Mr. Joe Quinn (CUNY Graduate Center)
Title: "Examples, III"

Differential Geometry Seminar

website: <http://qcpages.qc.cuny.edu/~dlee2/seminar.html>
Meets: 2:45PM - 4:00PMpm; Rm. 3207
Speaker: TBA
Title: TBA

Computational Logic Seminar

website: <http://nylogic.org/computational-logic-seminar>
Meets: 2:00PM - 4:00PM, Rm. 3309
Speaker: Che-Ping Su (The Univ. of Melbourne)
Title: "Paraconsistent Justification Logic"

CUNY Geometry and Topology Seminar

website: <http://comet.lehman.cuny.edu/behstock/seminar/>
Meets: 4:00PM - 6:00PM, Rm. 3212
Speaker: Liam Watson (UCLA)
Title: TBA

Study Group in Number Theory

Meets: 5:00PM - 6:30PM, Rm. 4214-03
Speaker: Joseph Lewittes (Lehman College & The CUNY Graduate Center)

Title: "Indefinite Quadratic Forms/Continued Fractions, I"

WEDNESDAY, NOV. 20TH

Dynamics and Complex Analysis Student Seminar

website: <http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/StudentSeminars.htm>

Meets: 10:30AM - 12:00PM, Rm. 4214.03

Speaker: Mr. Nishan Chatterjee (CUNY Graduate Center)

Title: "Symmetric Structures on a Closed Curve, Gardiner-Sullivan's paper, III":

Dynamics and Analysis Learning Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ResearchSeminars.htm>

Meets: 1:30PM - 3:00PM, Rm. 4214.03

Speaker: Yunping Jiang (Queens College & The CUNY Graduate Center)

Title: "Asymptotical Conformal Invariant Measures"

Extremal Length Geometry Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ExtLengthSeminar.htm>

Meets: 3:00PM - 4:55PM, Rm. 4214-03

Speaker: Tao Chen (Queensborough Comm. College)

Title: "Quadratic Differentials on Hubbard's Book I"

Models of Peano Arithmetic Seminar [MOPA Seminar]

website: <http://nylogic.org/MOPA>

Meets: 6:30PM - 8:00PM, Rm. 4214-03

Speaker: TBA

Title: TBA

THURSDAY, NOV. 21TH

Impromptu Seminar in Arithmetic Geometry

Meets: 11:00AM - 1:00PM, Rm. 4214-03

Speakers and topics will vary each week

Non-Linear Analysis Seminar & Study Group

website: <http://www.math.csi.cuny.edu/~mlucia/GCactivities>

Meets: 2:00PM - 4:00PM, Rm. 5417

Speaker: TBA

Title: TBA

New York Number Theory Seminar

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

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

Speaker: Allison Lewko (Columbia Univ. & Institute for Advanced Study)

Title: "On Sets of Large Doubling, Lambda (4) Sets, and Error-Correcting Codes"

RTG New York Joint Columbia-CUNY-NYU Number Theory Seminar

website: <http://wfs.gc.cuny.edu/lspirowww/index.html#jointsem>

Meets: 4:00PM - 4:45PM, Rm. 622, at Columbia Univ.

Speaker: TBA

Title: TBA

Tea: 5:00PM - 5:30PM, Rm. 5TH Floor math Lounge

Note: The RTG talk is aimed at graduate students and post-docs; regular faculty are requested not to attend

Computer Science Colloquium

website: <http://cslogic.info/colloquium/>

Meets: 4:15PM - 5:30PM, Rm. 9204/9205

Speaker: David Sontag (New York Univ.)

Title: "Method-of-Moment Algorithms for Learning Bayesian Networks"

Followed by a wine and cheese reception in Rm. 4102 (Science Center) or Rm. 4214 (Math Lounge)

New York Joint Columbia-CUNY-NYU Number Theory Seminar

website: <http://wfs.gc.cuny.edu/lspirowww/index.html#jointsem>

Meets: 5:30PM - 7:00PM, Rm. 312 at Columbia Univ.

Speaker: TBA

Title: TBA

Tea: 5:00PM - 5:30PM, Rm. 5TH floor Math Lounge

FRIDAY, NOV. 22TH

Kolchin Seminar in Differential Algebra

website: <http://www.sci.cny.cuny.edu/~ksda/gradcenter.html>

Meets: 10:15AM - 11:45AM, Rm. 5382

Speaker: James Freitag (Univ. of California at Berkeley)

Title: TBA

Number Theory Student Seminar

Meets: 10:00AM - 11:30AM, Rm. 8405

No meeting today

New York Algebra Colloquium

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

Meets: 10:30AM - 11:30AM, Rm. 3209

Speaker: Kiumars Kaveh (Univ. of Pittsburgh)

Title: TBA

New York Combinatorics Seminar

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

Meets: 11:30AM - 12:30PM, Rm. 4422

Speaker: Melvyn Nathanson (Lehman College & The CUNY Graduate Center)

Title: "Cantor Polynomials for Semigroup Sectors"

Model Theory Seminar

website: <http://nylogic.org/model-theory>

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

Speaker: Alice Medvedev (City College)

Title: TBA

Collaborative Number Theory Seminar

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

Meets: 2:00PM - 3:00PM, Rm. 3209

Speaker: Brian Smithling (Johns Hopkins Univ.)

Title: "Spin Conditions for Local Models"

Complex Analysis and Dynamics Seminar

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

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

Speaker: Diogo Pinheiro (Brooklyn College)

Title: "A Renormalization Scheme for the Focal Decompositions of a Family of Mechanical Systems"

CUNY Logic Workshop

website: <http://nylogic.org/workshop>

Meets: 2:00PM - 3:30PM, Rm. 6417

Speaker: Tamar Lando (Columbia Univ.)

Title: TBA

Algebra & Cryptography Seminar

website: <http://www.sci.ccnyc.cuny.edu/~shpil/algcryp.html>

Meets: 2:30PM - 3:30PM, Rm. 8405

Speaker: TBA

Title: TBA

Kolchin Afternoon Seminar in Differential Algebra

website: <http://www.sci.ccnyc.cuny.edu/~ksda/gradcenter.html>

Meets: 2:00PM - 5:00PM, Rm. 5382

Speaker: TBA

Title: TBA

Mathematical Physics and Harmonic Analysis Seminars

website: <https://wfs.qc.cuny.edu/AParzygnat/mathphysharmanal.html>.

Meets: 4:00PM - 5:30PM, Rm. 8405

Speaker: Mr. Amol Deshmukh (CUNY Graduate Center)

Title: "Homotopy and Holonomy"

New York Group Theory Seminar [a.k.a. Magnus Group Theory Seminars]

website: <http://www.grouptheory.org/>

Meets: 4:00PM - 5:00PM, Rm. 5417

Speaker: Jason Manning (SUNY Buffalo)

Title: TBA

Tea: 3:30PM - 4:00PM, Rm. 4214 (Math Lounge)

TUESDAY, NOV. 26TH

Hyperbolic 3-Manifolds Reading Group

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

Meets: 12:00PM - 1:30PM, Rm. 3212

No meeting today

Differential Geometry Seminar

website: <http://qcpages.qc.cuny.edu/~dlee2/seminar.html>

Meets: 2:45PM - 4:00PM, Rm. 3207

Speaker: TBA

Title: TBA

Computational Logic Seminar

website: <http://nylogic.org/computational-logic-seminar>

Meets: 2:00PM - 4:00PM, Rm. 3309

Speaker: TBA

Title: TBA

CUNY Geometry and Topology Seminar

website: <http://comet.lehman.cuny.edu/behstock/seminar/>

Meets: 4:00PM - 6:00PM, Rm. 3212

No meeting today

Study Group in Number Theory

Meets: 5:00PM - 6:30PM, Rm. 4214-03

Speaker: Joseph Lewittes (Lehman College & The CUNY Graduate Center)

Title: "Indefinite Quadratic Forms/Continued Fractions, I"

WEDNESDAY, NOV. 27TH [Note: Friday schedule at GC]

Dynamics and Complex Analysis Student Seminar

website: <http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/StudentSeminars.htm>

Meets: 10:30AM - 12:00PM, Rm. 4214.03

No meeting today

Dynamics and Analysis Learning Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ResearchSeminars.htm>

Meets: 1:30PM - 3:00PM, Rm. 4214.03

No meeting today

Extremal Length Geometry Seminar

website:

<http://qcpages.qc.cuny.edu/~yjiang/HomePageYJ/LinkPages/ExtLengthSeminar.htm>

Meets: 3:00PM - 4:55PM, Rm. 4214-03

No meeting today

THURSDAY, NOV. 28TH

Thanksgiving Holyday -- GC is closed today

FRIDAY, NOV. 29TH [Note: No classes at GC today]

Kolchin Seminar in Differential Algebra

website: <http://www.sci.ccny.cuny.edu/~ksda/gradcenter.html>

Meets: 10:15AM - 11:45AM, Rm. 5382

No meeting today

Number Theory Student Seminar

Meets: 10:00AM - 11:30AM, Rm. 8405

No meeting today (Integers Conference in Georgia)

New York Algebra Colloquium

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

Meets: 10:30AM - 11:30AM, Rm. 3209

No meeting today

Mathematical Physics and Harmonic Analysis Seminars

website: <https://wfs.gc.cuny.edu/AParzygnat/mathphysharmanal.html>.

Meets: 4:00PM - 5:30PM, Rm. 8405

Speaker: Quanlei Fang (Bronx Comm. College)

Title: "Schatten- Von-Neumann Classes"

SPECIAL EVENTS:

THURSDAY, NOV. 21ST - FRIDAY, NOV. 22ND

TWELFTH NORTHEAST PROBABILITY SEMINAR

The Twelfth Northeast Probability Seminar (NEPS) will be held at Martin E. Segal Theatre Center CUNY at CUNY Graduate Center, Coordinator: Prof. Jay Rosen (College of Staten Island and The CUNY Graduate Center), This year's invited speakers are: Martin Hairer (University of Warwick); Marius Junge (UIUC); Ashkan Nikeghbali (University of Zurich); and Ruth Williams (UCSD). For more info, see: <http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar>. more information see: <http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar>

FRIDAY, DEC. 13TH – SUNDAY, DEC. 15TH

RUTGERS - CUNY SYMPOSIUM ON GEOMETRIC ANALYSIS

First Rutgers-CUNY Symposium on Geometric Analysis, to take place on Dec. 13 at Graduate Center of CUNY, and Dec. 14-15 at Rutgers University. This event is organized by Profs. Jian Song, Xiaowei Wang from Rutgers University and Profs Zeno Huang and Marcello Lucia of CUNY. For more detail, please go to: <http://www.math.csi.cuny.edu/~huang/ru-cuny.pdf>

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