CUNY Mathematics Seminars Bulletin - CUNY Ph.D. Program in Mathematics
------------- Fall 2017 | No. 16 | Monday, December 4th, 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, as reported by the organizer. 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.

Monday, December 4th

The Adams Spectral Sequence Seminar
Meets: 2:30PM – 4:00PM, Rm. 4214.03
Speaker: NA

Graduate Student Colloquium
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium
Meets: 4:00PM – 4:45PM, Rm. 6495
No meeting today.

TUESDAY, December 5th

Non-Linear Analysis Seminar Studies
Website: https://sites.google.com/site/gcnonlinear/
Meets: 11:45AM – 1:45PM, Rm. 5417
Speaker: NA

BEAG Seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/Flyer/
Meets: 12:00PM - 2:00PM, Rm. 4214.03
Speaker: Yu Hai
Title: Summary of the semester, plans for spring

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meets: 1:30PM – 3:00PM, Rm. 3309
Speaker: Yu Hai
Title: “Mostow Rigidity”

Hyperbolic Geometry Seminar
Website: http://wfs.gc.cuny.edu/dwhite2/www/hypgeo/index.html
Meets: 3:00PM - 4:00PM, Rm. 4214.03
Speaker: Francesco Preta (New York University)
Title: “On Bers’ Embedding of Deformation Spaces (continued)”

**CUNY Geometry & Topology Seminar**  
Website: [http://comet.lehman.cuny.edu/behrstock/seminar/](http://comet.lehman.cuny.edu/behrstock/seminar/)  
Meets: 4:15PM - 6:15PM, Rm. 3308  
Speaker: Wenyu Pan (Yale)  
Title: “Local Mixing and Abelian Covers of Finite Volume Hyperbolic Manifolds”

**CUNY Probability Seminar**  
Website: [https://probability.commons.gc.cuny.edu/](https://probability.commons.gc.cuny.edu/)  
Meets: 4:15PM – 5:30PM, Rm. 5417  
Speaker: Dan Pirjol (JPM)  
Title: “Large Deviations for Time-Averaged Diffusions and Asian Options”

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**WEDNESDAY, December 6th**

**Almost Complex Geometry**  
Website:  
[https://sites.google.com/site/gradcenterseminars/current-seminars/almost-complex-geometry](https://sites.google.com/site/gradcenterseminars/current-seminars/almost-complex-geometry)  
Meets: 11:45AM – 1:45PM, Rm. 6417  
Speaker: Mahmound Zeinalian  
Title: TBA

**Dynamics and Complex Analysis Research Seminar**  
Website:  
[https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxzdW1tZXJ5dW55YW5nGd4OjM2YW5nNGUwY2M4OvQW](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxzdW1tZXJ5dW55YW5nGd4OjM2YW5nNGUwY2M4OvQW)  
Meets: 2:15PM – 3:45PM, Rm. 4214.03  
Speaker: Pablo Roldan Gonzalez (Yeshiva University)  
Title: “3:1 resonance in the Sun-Jupiter-Asteroid system”

**K-Theory Seminar**  
Website: [https://www.zeinalian.com/seminar/](https://www.zeinalian.com/seminar/)  
Meets: 2:00PM – 4:00PM, Rm. 5417  
Speaker: Micah Miller  
Title: ”The Atiyah Class for Coherent Sheave”

**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: Joel Zablow  
Title: “Braid Relations and Deep Braiding”

**Models of Peano Arithmetic**  
Website: [https://boolesrings.org/victoriagitman/cuny-logic-seminars/cuny-mopa-seminar/](https://boolesrings.org/victoriagitman/cuny-logic-seminars/cuny-mopa-seminar/)  
Meets: 5:15PM - 6:15PM, Rm. 6495  
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)
THURSDAY, December 7th

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: 11:45AM – 1:45PM, Rm. 3212  
Speaker:  
Title: NA  

Student Set Theory Seminar  
Website:  
Meets: 12:00PM – 1:45PM, Rm. 4214.03  
Speaker:  
Title: NA  

Discrete Geometry and Topological Combinatorics Student Seminar  
Meets: 12:45PM – 1:45PM, Rm. 4422  
Speaker:  
Title: NA  

Algebraic and Numerical Computations  
Meets: 2:00PM – 6:15PM, Rm. 3307  
Speaker:  
Title: NA  

Symbolic-Numeric Computing Seminar  
Website: [http://qcpages.gc.cuny.edu/~aovchinnikov/seminar.html](http://qcpages.gc.cuny.edu/~aovchinnikov/seminar.html)  
Meets: 2:00PM – 4:00PM, Rm. 9116  
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: 3:00PM – 5:00PM, Rm. 6496  
Speaker: Nan Li (New York City Tech)  
Title: “Quantitative Estimates on the Singular Sets of Alexandrov Spaces”  
Speaker: Luca Di Cerbo (Stony Brook University)  
Title: TBA  

New York Number Theory Seminar  
Website: [http://www.math.rutgers.edu/~bumby/nyntsem/](http://www.math.rutgers.edu/~bumby/nyntsem/)  
Meets: 3:00PM - 4:00PM, Rm. 4419  
Speaker:  
Title: NA  

Dynamics and Analysis Student Seminar
Meets: 4:15PM – 6:15PM, Rm. 4214.03
Speaker:
Title: NA

Research Training Group in Number Theory Seminar
Website: http://www.math.columbia.edu/~goldfeld/ScheduleJointNTS29.html
Meets: 4:00PM – 4:45PM, Rm. 4102
Speaker: Akshay Venkatesh (Stanford University)
Title: “Diophantine Problems and the Torelli Map”
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/ScheduleJointNTS29.html
Meets: 5:30PM - 7:00PM, Rm. 4102
Speaker: Akshay Venkatesh (Stanford University)
Title: “Diophantine Problems and the Torelli Map”
Tea: 5:00PM – 5:30PM in Rm. 4102

Phenomenology Reading Group
Meets: 6:30PM – 8:00PM, Math Thesis Room
Speaker:
Title: NA

FRIDAY, December 8th

Manhattan Algebra Day
Website: http://web.stevens.edu/algebraic/MADAY2017/
Meets: 10:00AM – 5:30PM, Science Center (Rm. 4102)

Number Theory Student Seminar
Meets: 10:00AM – 11:30M, Rm. 4419
Speaker:
Title: NA

Set Theory Seminar
Website: https://boolesrings.org/victoriagitman/cuny-set-theory-seminar/
Meets: 10:00AM - 12:00PM, Rm. 6417
Speaker: Ruizhi Yang (Fudan University)
Title: “On unary union”

Kolchin Seminar in Differential Algebra
Website: https://ksda.ccny.cuny.edu/gradcenter.html
Meets: 10:15AM – 11:30AM, Rm. 5382
Speaker: Joel Nagloo (Bronx Community College CUNY)
Title: “Towards Strong Minimality and the Fuchsian Triangle Group Part II”

Extremal Length Seminar
Website: http://userhome.brooklyn.cuny.edu/gardiner/notes.html
Meets: 10:00AM - 12:00PM, Rm. 4214.03
Speaker:
Title: NA
New York Applied Algebra Colloquium
Website: https://sites.google.com/site/nyalg2/
Meets: 11:00AM - 12:00PM, Rm. 3209
Speaker: NA

New York Combinatorics Seminar
Website: http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar/index.html
Meets: 11:45AM - 12:45PM, Rm. 4419
Speaker: Kerry Ojakian (BCC, CUNY)
Title: “Extremal cop-win graphs”

Student Seminar of Algebraic and Numerical Algorithms
Meets: 11:45AM - 1:45PM, Rm. 3212
Speaker: NA

Study Group in Number Theory
Meets: 11:45AM - 1:45PM, Rm. 6494
Speaker: NA

Data Science and Applied Topology
Website: http://cunygc.appliedtopology.nyc/
Meets: 11:45AM - 12:45PM, Rm. 3309
Speaker: Michael Ferguson
Title: “Sketches of a Platypus”

Model Theory Seminar
Website: https://boolesrings.org/victoriagitman/cuny-model-theory-seminar/
Meets: 12:30PM - 1:45PM, Rm. 6417
Speaker: NA

Study Group on Spherical Varieties
Website: http://bvans.net/ws
Meets: 1:30PM – 3:30PM, Rm. 4124.03
Speaker: Bart Van Steirteghem (MEC & GC)
Title: TBA

Study Group on Hodge Theory and Complex Algebraic Geometry
Website: https://sites.google.com/site/fyemath/home/complex-working-seminars-on-algebraic-geometry-and-hodge-theory
Meets: 1:30PM – 3:30PM, Rm. 4124.03
Speaker: NA

Complex Analysis and Dynamics Seminar
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html
Meets: 2:00PM - 3:30PM, Rm. 5417
Speaker: Zeno Huang (College of Staten Island and Graduate Center of CUNY)
Title: “On Weil-Petersson Geometry on Universal Teichmuller Space”
CUNY Logic Workshop
Website: https://boolesrings.org/victoriagitman/cuny-logic-workshop/
Meets: 2:00PM – 3:30PM, Rm. 6417
Speaker: Russell Miller (CUNY)
Title: “Classification and Measure for Countable Structures”

Dynamical System Ideas and Applications
Meets: 2:00PM – 4:00PM, Rm. 4422
Speaker:
Title: NA

Kolchin Afternoon Seminar in Differential Algebra
Website: https://ksda.ccny.cuny.edu/gradcenter.html
Meets: 2:00PM – 4:00PM, Rm. 5382
Speaker:
Title: NA

Collaborative Number Theory Seminar
Website: http://qcpages.qc.cuny.edu/~msabitova/CNTS.html
Meets: 2:00PM – 4:00PM, Rm. 3209
Speaker:
Title: NA

CUNY Representation Theory Seminar
Website: https://sites.google.com/site/cunyrt/
Meets: 2:15PM – 3:15PM, Rm. 3212
Speaker:
Title: NA

Mathematical Physics and Fourier Analysis Seminar
Website: https://sites.google.com/site/mathphysseminar/
Meets: 2:15PM – 3:15PM, Rm. 3309
No meeting today.

Algebra and Cryptography Seminar
Website: http://www.sci.ccny.cuny.edu/~shpil/algcryp.html
Meets: 2:30PM – 3:30PM, Rm. 3307
No meeting because of Manhattan Algebra Day.

Applied Mathematics Seminar
Meets: 4:00PM – 5:00PM, Rm. 4419
Speaker:
Title: NA

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2017
Meets: 4:00PM – 5:00PM, Rm. 5417
No meeting because of Manhattan Algebra Day.

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
MONDAY, December 11th

The Adams Spectral Sequence Seminar
Meet: 2:30PM – 4:00PM, Rm. 4214.03
Speaker: NA
Title: NA

Graduate Student Colloquium
Website: https://sites.google.com/site/gradcenterseminars/current-seminars/graduate-student-colloquium
Meet: 4:00PM – 4:45PM, Rm. 6495
No meeting today.

TUESDAY, December 12th

Non-Linear Analysis Seminar Study
Website: https://sites.google.com/site/gcnonlinear/
Meet: 11:45AM – 1:45PM, Rm. 5417
Speaker: NA
Title: NA

BEAG Seminar (Beginners Explorations in Algebraic Geometry)
Website: https://lagcc-cuny.digication.com/beag/Flyer/
Meet: 12:00PM - 2:00PM, Rm. 4214.03
No meeting today.

Geometry & Topology Student Seminar
Website: http://www.math.csi.cuny.edu/abhijit/studentseminar/
Meet: 1:30PM – 3:00PM, Rm. 3309
Speaker: Yu Hai
Title: "Mostow Rigidity"

Hyperbolic Geometry Seminar
Website: http://wfs.gc.cuny.edu/dwhite2/www/hypgeo/index.html
Meet: 3:00PM - 4:00PM, Rm. 4214.03
Speaker: TBA
Title: TBA

CUNY Geometry & Topology Seminar
Website: http://comet.lehman.cuny.edu/behrstock/seminar/
Meet: 4:15PM - 6:15PM, Rm. 3308
Speaker: NA
Title: NA

CUNY Probability Seminar
Website: https://probability.commons.gc.cuny.edu/
Meet: 4:15PM – 5:30PM, Rm. 5417
Speaker: NA
WEDNESDAY, December 13th

**Almost Complex Geometry**
Website: [https://sites.google.com/site/gradcenterseminars/current-seminars/almost-complex-geometry](https://sites.google.com/site/gradcenterseminars/current-seminars/almost-complex-geometry)
Meets: 11:45AM – 1:45PM, Rm. 6417
Speaker: NA
Title: NA

**Dynamics and Complex Analysis Research Seminar**
Website: [https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbmNzdWJ2ZWNyb3NlcmZhcm5qYXQoNjM2Y2RiNTQ0Y2QxOWI](https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbmNzdWJ2ZWNyb3NlcmZhcm5qYXQoNjM2Y2RiNTQ0Y2QxOWI)
Meets: 2:15PM – 3:45PM, Rm. 4214.03
Speaker: TBA
Title: TBA

**K-Theory Seminar**
Website: [https://www.zeinalian.com/seminar/](https://www.zeinalian.com/seminar/)
Meets: 2:00PM – 4:00PM, Rm. 5417
No meeting today.

**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: NA
Title: NA

**Models of Peano Arithmetic**
Website: [https://boolesrings.org/victoriagitman/cuny-logic-seminars/cuny-mopa-seminar/](https://boolesrings.org/victoriagitman/cuny-logic-seminars/cuny-mopa-seminar/)
Meets: 5:15PM - 6:15PM, Rm. 6495
Speaker: NA
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: NA
Title: NA

THURSDAY, December 14th

**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: 11:45PM – 1:45PM, Rm. 3212
Speaker: NA
Title: NA
**Student Set Theory Seminar**  
Website:  
Meets: 12:00PM – 1:45PM, Rm. 4214.03  
Speaker:  
Title: NA

**Discrete Geometry and Topological Combinatorics Student Seminar**  
Meets: 12:45PM – 1:45PM, Rm. 4422  
Speaker:  
Title: NA

**Algebraic and Numerical Computations**  
Meets: 2:00PM – 6:15PM, Rm. 3307  
Speaker:  
Title: NA

**Symbolic-Numeric Computing Seminar**  
Website: [http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html](http://qcpages.qc.cuny.edu/~aovchinnikov/seminar.html)  
Meets: 3:00PM – 4:00PM, Rm. 9116  
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: 3:00PM – 4:00PM, Rm. 6496  
Speaker:  
Title: NA

**New York Number Theory Seminar**  
Website: [http://www.math.rutgers.edu/~bumby/nyntsem/](http://www.math.rutgers.edu/~bumby/nyntsem/)  
Meets: 3:00PM - 4:00PM, Rm. 4419  
Speaker:  
Title: NA

**Dynamics and Analysis Student Seminar**  
Meets: 4:15PM – 6:15PM, Rm. 4214.03  
Speaker:  
Title: NA

**Research Training Group in Number Theory Seminar**  
Meets: 4:00PM – 4:45PM, Columbia University Rm. 622  
Speaker: Dipendra Prasad (Tata Institute, Mumbai)  
Title: “A MOD-p Artin Tate Conjecture and Generalized Herbrand-Ribet”  
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**  
Meets: 5:30PM - 7:00PM, Columbia University Rm. 417  
Speaker: Dipendra Prasad (Tata Institute, Mumbai)  
Title: “A MOD-p Artin Tate Conjecture and Generalized Herbrand-Ribet”
Tea: 5:00PM – 5:30PM in Math Lounge on the 5th Floor

**Phenomenology Reading Group**
Meets: 6:30PM – 8:00PM, Math Thesis Room
Speaker:
Title: NA
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**FRIDAY, December 15th**

**Number Theory Student Seminar**
Meets: 10:00AM – 11:30M, Rm. 4419
Speaker:
Title: NA

**Set Theory Seminar**
Website: [https://boolesrings.org/victoriagitman/cuny-set-theory-seminar/](https://boolesrings.org/victoriagitman/cuny-set-theory-seminar/)
Meets: 10:00AM - 12:00PM, Rm. 6417
Speaker:
Title: NA

**Kolchin Seminar in Differential Algebra**
Website: [https://ksda.ccny.cuny.edu/gradcenter.html](https://ksda.ccny.cuny.edu/gradcenter.html)
Meets: 10:15AM – 11:30AM, Rm. 5382
Speaker:
Title: NA

**Extremal Length Seminar**
Website: [http://userhome.brooklyn.cuny.edu/gardiner/notes.html](http://userhome.brooklyn.cuny.edu/gardiner/notes.html)
Meets: 10:00AM - 12:00PM, Rm. 4214.03
Speaker:
Title: NA

**New York Applied Algebra Colloquium**
Website: [https://sites.google.com/site/nyalq2/](https://sites.google.com/site/nyalq2/)
Meets: 11:00AM - 12:00PM, Rm. 3209
Speaker:
Title: NA

**New York Combinatorics Seminar**
Website: [http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar/index.html](http://userhome.brooklyn.cuny.edu/skingan/CombinatoricsSeminar/index.html)
Meets: 11:45AM - 12:45PM, Rm. 4419
Speaker:
Title: NA

**Student Seminar of Algebraic and Numerical Algorithms**
Meets: 11:45AM - 1:45PM, Rm. 3212
Speaker:
Title: NA

**Study Group in Number Theory**
Meets: 11:45AM - 1:45PM, Rm. 6494
Speaker:
Data Science and Applied Topology  
Website: http://cunygc.appliedtopology.nyc/  
Meets: 11:45AM - 12:45PM, Rm. 3309  
Speaker:  
Title: NA

Model Theory Seminar  
Website: https://boolesrings.org/victoriagitman/cuny-model-theory-seminar/  
Meets: 12:30PM - 1:45PM, Rm. 6417  
Speaker:  
Title: NA

Study Group on Spherical Varieties  
Website: http://bvans.net/ws  
Meets: 1:30PM – 3:30PM, Rm. 4124.03  
Speaker:  
Title: NA

Study Group on Hodge Theory and Complex Algebraic Geometry  
Website: https://sites.google.com/site/fyemath/home/complex-working-seminars-on-algebraic-geometry-and-hodge-theory  
Meets: 1:30PM – 3:30PM, Rm. 4124.03  
Speaker:  
Title: NA

Complex Analysis and Dynamics Seminar  
Website: http://qcpages.qc.cuny.edu/~zakeri/seminar.html  
Meets: 2:00PM - 3:30PM, Rm. 5417  
Speaker:  
Title: NA

CUNY Logic Workshop  
Website: https://boolesrings.org/victoriagitman/cuny-logic-workshop/  
Meets: 2:00PM – 3:30PM, Rm. 6417  
Speaker:  
Title: NA

Dynamical System Ideas and Applications  
Meets: 2:00PM – 4:00PM, Rm. 4422  
Speaker:  
Title: NA

Kolchin Afternoon Seminar in Differential Algebra  
Website: https://ksda.ccny.cuny.edu/gradcenter.html  
Meets: 2:00PM – 4:00PM, Rm. 5382  
Speaker:  
Title: NA

Collaborative Number Theory Seminar  
Website: http://qcpages.qc.cuny.edu/~msabitova/CNTS.html  
Meets: 2:00PM – 4:00PM, Rm. 3209
CUNY Representation Theory Seminar
Website: https://sites.google.com/site/cunyrt/
Meets: 2:15PM – 3:15PM, Rm. 3212
Speaker: NA
Title: NA

Mathematical Physics and Fourier Analysis Seminar
Website: https://sites.google.com/site/mathphysseminar/
Meets: 2:15PM - 3:15PM, Rm. 3309
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

Applied Mathematics Seminar
Meets: 4:00PM – 5:00PM, Rm. 4419
Speaker: NA
Title: NA

NY Group Theory Seminar
Website: https://sites.google.com/site/nygrouptheory/fall2017
Meets: 4:00PM – 5:00PM, Rm. 5417
Speaker: NA
Title: NA

Commutative Algebra & Algebraic Geometry Seminar
Webpage: http://websupport1.citytech.cuny.edu/Faculty/hschoutens/CAAG.html
Meets: 4:00PM – 5:00PM, Rm. 6417
Speaker: NA
Title: NA

The Weekly Seminar Bulletin will be on hiatus until February 5th, 2018.