



5. *Effective estimates on integral quadratic forms: Masser's conjecture, generators of orthogonal groups, and bounds in reduction theory* (with Gregory A. Margulis)  
**Geometric and Functional Analysis**, accepted for publication.

## ACADEMIC GRANTS AND AWARDS

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- Gamelin Endowed Postdoctoral Fellowship, MSRI, 2015
- Silver Medal of PhD Thesis, New World Mathematics Awards, 2015
- AMS Simons Travel Grant, the Simons Foundation, Jul 2014 - Jun 2016
- Collaboration Grants for Mathematicians, the Simons Foundation, Sep 2016 - Aug 2021

## INVITED ACADEMIC TALKS

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### *Conference Talks*

1. International Conference on Banach Spaces and Operator Spaces, **Nankai University**, China, Jul 2007
2. AMS sectional meeting, **Holy Cross College**, Apr 2011
3. International Conference on Abstract Harmonic Analysis, **Nankai University**, China, Jun 2011
4. AMS sectional meeting, **Boston College**, Apr 2013
5. Dynamics on Homogeneous Spaces and Applications, **Université Lyon 1**, France, Jun 2013
6. ICM Satellite Conference on Quadratic Forms and Related Topics, **Gyeongju**, Korea, Aug 2014
7. Introductory Workshop: Geometric and Arithmetic Aspects of Homogeneous Dynamics, **MSRI**, Feb 2015
8. Advances in Homogeneous Dynamics, **MSRI**, May 2015

### *Colloquia*

1. Department colloquium, **Wesleyan University**, Oct 2014
2. Brandeis-Harvard-Mit-Northeastern Joint Mathematics Colloquium, **Brandeis University**, Mar 2016

### *Seminars*

1. Ergodic theory seminar, **Erwin Schrödinger Institute**, Austria, Jul 2010
2. Ergodic theory and statistical mechanics seminar, **Princeton University**, Feb 2011
3. Number theory seminar, **University of Illinois at Urbana-Champaign**, Feb 2011
4. Group actions and dynamics seminar, **Yale University**, Mar 2012
5. Ergodic theory and statistical mechanics seminar, **Princeton University**, May 2012
6. Math department seminar, **Fudan University**, China, May 2012
7. Math department seminar, **Nankai University**, China, May 2012
8. Math department seminar, **Peking University**, China, May 2012
9. Math department seminar, **Shandong University**, China, Jun 2012
10. Math department seminar, **Xiamen University**, China, Jul 2012
11. Algebra seminar, **The State University of New York, Buffalo**, Oct 2012
12. Dynamics seminar, **Université de Rennes 1**, France, Nov 2012
13. Dynamics seminar, **Université Paris-Sud 11 (Orsay)**, France, Nov 2012
14. Groups and geometry seminar, **Université de Geneve**, Switzerland, Dec 2012
15. Number theory seminar, **École polytechnique fédérale de Lausanne**, Switzerland, Jun 2013
16. Group actions and dynamics seminar, **Yale University**, Oct 2013
17. Dynamics and analysis seminar, **Wesleyan University**, Oct 2013
18. Applied analysis seminar, **The University of Massachusetts Amherst**, Oct 2013

19. Linear analysis seminar, **Texas A&M University**, Nov 2013
20. Group actions and dynamics seminar, **Texas A&M University**, Nov 2013
21. Group actions and dynamics seminar, **The University of Texas at Austin**, Nov 2013
22. Ergodic theory seminar, **The Hebrew University of Jerusalem**, Israel, Dec 2013
23. Groups, dynamics and related topic seminar, **Technion**, Israel, Dec 2013
24. Group actions and dynamics seminar, **Yale University**, Jan 2014
25. Algebra seminar, **Wesleyan University**, Feb 2014
26. Ergodic theory and dynamics seminar, **University of Illinois at Urbana-Champaign**, Mar 2014
27. "Every topics" seminar, **Brandies University**, Mar 2014
28. IMS number theory seminar, **The Chinese University of Hong Kong**, Hong Kong, Jun 2014
29. Group actions and dynamics seminar, **The University of Texas at Austin**, Sep 2014
30. Postdoc seminar, **MSRI**, Apr 2015
31. Group actions and dynamics seminar, **The University of Texas at Austin**, Apr 2015
32. Group, Lie and number theory seminar, **University of Michigan**, Oct 2015
33. Geometry seminar, **University of Michigan**, Oct 2015

## ACADEMIC SERVICES

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### *Journal Refereeing*

**International Mathematics Research Notices**  
**Compositio Mathematica**  
**Dynamical Systems and Ergodic Theory**  
**Journal of Modern Dynamics**

### *Conference Organization*

**AMS Sectional Meeting**: special session in homogeneous dynamics at Stony Brook University (co-organizer, March 2016)

### *Seminar/Colloquia Organization*

**The Coven/Wood Lecture Series in Mathematics** at Wesleyan University (co-organizer, Spring 2016)  
**Mathematics Colloquia** at Wesleyan University (organizer, Fall 2015, Spring 2016)  
**Analysis Seminar** at Wesleyan University (co-organizer, since Fall 2015)  
**Topology et al. Seminar** at Wesleyan University (co-organizer, since Fall 2015)  
**Group Actions and Dynamics Seminar** at UT Austin (co-organizer, Fall 2014)

### *Other Services*

**Graduate Preliminary Exam Committee** for Cameron Bishop

## TEACHING EXPERIENCES

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### *Yale University*

**Math 115, Calculus of Functions of One Variable II**: Fall 2010, Fall 2011  
**Math 120, Calculus of Functions of Several Variables**: Spring 2013, Spring 2014

### *The University of Texas at Austin*

**M427L, Advanced Calculus for Applications II:** Fall 2014

*Wesleyan University*

**Math 222, Multivariable Calculus:** Fall 2015, Fall 2016

**Math 223, Linear Algebra:** Spring 2016, Spring 2017

**Math 228, Discrete Mathematics:** Fall 2015

**Math 231, An Introduction to Probability:** Fall 2016

**Math 514, Analysis I:** Spring 2017

**Math 516, Analysis II:** Spring 2016