Outside Speakers Supported by MRI

Academic Year 2012-2013

Seminars

Name	Seminar	Talk Title	Date of Visit	Home Institution
Karl Schwede	Algebraic Geometry	A Frobenius variant of Seshadri constants	9/25/2012	Penn State University
Paul Oestvaer	Algebraic Geometry/Topology	Motivic slices and the graded Witt ring	10/16/2012	University of Oslo
Junwu Tu	Algebraic Geometry	Mirror construction from gluing of Maurer-Cartan moduli spaces	10/23/2012	University of Oregon
Parker Lowrey	Algebraic Geometry	Grothendieck-Riemann-Roch for derived schemes	11/13/2012	University of Western Ontario
Yaim Cooper	Algebraic Geometry	Stable quotients and stable maps: A comparison	11/6/2012	Princeton University
Olivia Dumitrescu	Algebraic Geometry	On a notion of speciality of linear systems in P^n	11/27/2012	University of California-Davis
Nick Addington	Algebraic Geometry	Categories of massless D-branes and del Pezzo surfaces	4/1/2013	Duke University
Renzo Cavalieri	Algebraic Geometry	Toric Open GW Invariants and the Crepant Resolution Conjecture	4/16/2013	Colorado State University
Carolina Araujo	Algebraic Geometry	On Fano foliations	5/7/2013	IMPA
Wayne Raskind	Algebraic Geometry	A toric regulator for $K2$ of Mumford curves	5/21/2013	Wayne State University
Elena Berdysheva	Analysis and Operator Theory	Bernstein-Durrmeyer operators with arbitrary weight functions	8/14/2012	GUTech
Fedor Nazarov	Analysis and Operator Theory	The ball is a local minimizer of the optimal lattice packing in $R3$	9/7/2012	Kent State University
Sergey Khrushchev	Analysis and Operator Theory	Periods of Negative-regular Continued Fractions. Rational numbers	9/11/2012	International School of Economics and Kazakh-British Technical University
Petr Gurka	Analysis and Operator Theory	Moser constant of the cricital Sobolev embedding	9/18/2012	Czech University of Life Sciences
Petr Siegl	Analysis and Operator Theory	Spectra of graphene nanoribbons with armchair and zigzag boundary conditions	11/13/2012	University of Lisbon, Portugal
David Cruz-Uribe	Analysis and Operator Theory	Weighted norm inequalities for the maximal operator on variable Lebesgue spaces	1/10/2013	Trinity College
Lubos Pick	Analysis and Operator Theory	Higher-order Sobolev embeddings and isoperimetric inequalities	2/15/2013	Charles University
Roger Lewis	Analysis and Operator Theory	Hardy's inequality on domains and curvature	2/21/2013	University of Alabama at Birmingham
Osvaldo Mendez	Analysis and Operator Theory	A convergence property of first eigenfunctions of the p(.)-Laplacian	3/5/2013	Univ. of Texas at El Paso
Jakub Duda	Analysis and Operator Theory	On Existence of Ball Small Sets With Aronszajn Null Complements in Banach Spaces	4/26/2013	
Min Huang	Analysis and Operator Theory			University of Chicago

Xinfeng Liu	Applied Math	Computational studies for cell signaling and cancer stem cells	10/18/2012	University of South Carolina
Klaus Boehmer	Applied Math/PDE	Dew drops on spider webs: a symmetry breaking bifurcation for a parabolic differential-algebraic equation	10/26/2012	Phillips-University Marburg, Germany
Mingming Wu	Applied Math	Directed Cell Migration: Experiments and Modeling	3/12/2013	Cornell University
Bo Li	Applied Math	Variational Implicit Solvation of Biomolecules	3/28/2013	University of California - San Diego
William Holmes	Applied Math	Models of spontaneous, induced, and dynamic polarity establishment	4/18/2013	Univ of California - Irvine
Chun-Hsiung Hsia	Applied Math	On semilinear elliptic equations invovling Sobolev and Sobolev-Hardy critical nonlinearities with singularities on the boundary	4/19/2013	National Taiwan University
	Arithmetic Geometry			
Yared Nigussie	Combinatorics	Exact finite structure for Robertson-Seymour ideals	8/24/2012	Columbia University
William Kantor	Combinatorics	Mutually Unbiased Bases	10/24/2012	University of Oregon
James Wilson	Combinatorics	Exotic geometry is typical because of NP-complete problems	10/17/2012	Colorado State University
Anton Dochtermann	Combinatorics	Laplacian ideals, arrangements, and resolutions	3/1/2013	University of Miami
Eric Katz	Combinatorics	Log concavity of characteristic polynomials and Bergman complexes	3/8/2013	University of Waterloo
Chong Song	Differential Geometry	The KdV flow and geometric solitons	4/14/2013	Xiamen University
Natasa Sesum	Differential Geometry		4/24/2013	Rutgers
Joseph Rosenblatt	Ergodic Theory/Probability	Directional Behavior for Two-variable Commuting Actions	10/18/2012	University of Illinois
Yunping Jiang	Ergodic Theory/Probability	Symmetric invariant measures and symmetric rigidity	11/8/2012	CUNY
Ryan Peckner	Ergodic Theory/Probability	Uniqueness of the measure of maximal entropy for the squarefree flow	11/15/2012	Princeton
Paul Reschke	Ergodic Theory/Probability	Salem Numbers and Complex Surface Automorphisms	11/29/2012	University of Illinois - Chicago
Manfred Denker	Ergodic Theory/Probability	Von Mises statistics for a measure preserving transformation	2/28/2013	Pennsylvania State University
William Mance	Ergodic Theory/Probability	On the Hausdorff dimension of countable intersections of certain sets of normal numbers	3/7/2013	University of North Texas
Joseph Rosenblatt	Ergodic Theory/Probability	Norm Approximation in Ergodic Theory	3/21/2013	Universityof Illinois-Urbana-Champaign
Jonathan Chaika	Ergodic Theory/Probability	Some results that hold on every flat surface	4/8/2013	University of Chicago

Karl Petersen	Ergodic Theory/Probability	Seeing structure and complexity in subshifts	5/16/2013	University of North Carolina - Chapel Hill
Grigori Avramidi	Geometric Group Theory	Flat tori in the homology of some locally symmetric spaces	8/28/2012	University of Chicago
Suhyoung Choi	Geometric Group Theory	Deforming convex RP^3-structures on 3-orbifolds	10/25/2012	KAIST
Yulang Qing	Geometric Group Theory	Boundaries of a CAT(0) complex	10/1/2012	Tufts University
Moshe Cohen	Geometric Group Theory/Topology	Kauffman's clock lattice as a graph of perfect matchings: a formula for its height.	1/22/2013	Emmy Noether Mathematical Institute
Barry Minemyer	Geometric Group Theory	Isometric Embeddings of Polyhedra	2/20/2013	Binghamton University
Jeff Meyer	Geometric Group Theory	On the Totally Geodesic Commensurability Spectrum of an Arithmetic Hyperbolic Manifold	3/28/2013	University of Michigan
Gangotryi Sorcar	Geometric Group Theory	Non-contractibility of the Teichmuller space of negatively curved metrics on a non-locally symmetric negatively curved manifold	4/11/2013	Binghamton University
Mark Meilstrup	Geometric Group Theory	Reduced forms for one-dimensional Peano continua	4/16/2013	Southern Utah University
Cameron Hill	Logic	Remarks on locally-finite model theory	10/2/2012	Notre Dame
Saugata Basu	Logic	From combinatorial complexity to triangulations of monotone families	10/19/2012	Purdue
Dina Sinapova	Logic	Projecting Prikry type forcings	11/6/2012	University of Illinois-Chicago
Jeff Hirst	Logic	Three tales about Weak Konig's Lemma	11/20/2012	Appalachian State University
Isaac Goldbring	Logic	The theory of tracial von Neumann algebras does not have a model companion	1/29/2013	University of Illinois-Chicago
Jeremy Avigad	Logic	Computability and uniformity in analysis	4/2/2013	Carnegie-Mellon
Jana Marikova	Logic	Model completeness of o-minimal fields with convex valuations	4/8/2013	Western Illinois University
Omar Sanchez	Logic	Model theory of (partial) differential fields with an automorphism	5/31/2013	University of Waterloo
Kevin Ford	Number Theory	Sets S of primes with p in S and $q\vert(p-1)$ implying q in S	11/19/2012	UIUC
Micah Milinovich	Number Theory	Simple zeros of L-functions of modular forms	10/22/2012	University of Mississippi
Dimitris Koukoulopoulos	Number Theory	When the sieve works	1/14/2013	Montreal
Youness Lamzouri	Number Theory	Large characters sums	2/4/2013	York
Bruce Berndt	Number Theory	Unpublished Manuscripts Published with Ramanujan's Lost Notebook	2/28/2013	Universityof Illinois - Urbana-Champaign
Joachim Schwermer	Number Theory	On Lefschetz numbers and arithmetically defined hyperbolic 3-manifolds	4/1/2013	University of Vienna
Bendong Lou	PDE	A curvature flow equation in a band domain --- influence of inhomogeneous boundaries	7/6/2012	Tongji University

Allen Tesdall	PDE	Glancing weak Mach reflection	9/26/2012	CUNY - College of Staten Island	
Klaus Boehmer	PDE/APMA	Dew drops on spider webs: a symmetry breaking bifurcation for a parabolic differential-algebraic equation	10/26/2012	Philipps-University, Marburg, Germany	
Linlin Su	PDE	Clines with Partial Panmixia and an Environmental Pocket	11/14/2012	Worcester Polytechnic Institute	
David Ambrose	PDE	Interfacial Darcy Flow With and Without Surface Tension	11/28/2012	Drexel University	
Gabor Szekelyhidi	PDE	Blowing up extremal Kahler manifolds	3/13/2013	Notre Dame	
Feride Tiglay	PDE	Existence results and complete integrability of an evolution equation modeling liquid crystals	3/20/2013	Purdue	
Guozhen Lu	PDE	Recent development on sharp Moser-Trudinger and Adams inequalities in the Euclidean spaces and on the Heisenberg group	3/27/2013	Wayne State University	
Ben Weinkove	PDE	The Chern-Ricci flow	4/2/2013	Northwestern University	
Truyen Nguyen	PDE		4/9/2013	University of Akron	
Kiyoichi Oshiro	Ring Theory	On Faith's Conjecture	9/14/2012	Yamaguchi University, Japan	
Xiaoxiang Zhang	Ring Theory	On unit-regular rings	9/28/2012	Southeast University, Nanjing China	
Cosmin Roman	Ring Theory	Rudimentary rings	10/12/2012	The Ohio State University - Lima	
Surjeet Singh	Ring Theory	Right Artinian right serial rings	10/19/2012	Panjab University, Chandigarh, India and KSU, Riyadh, Saudi Arabia	
Andre Leroy	Ring Theory	Strongly McCoy rings	10/19/2012	Université d'Artois, Lens, France	
Pramod Kanwar	Ring Theory	Idempotents in ring extensions	11/30/2012	Ohio University - Zanesville	
Hans Schoutens	Ring Theory	Condense modules, ordinal length, and the Goldie dimension	1/25/2013	City University of New York	
Joseph Mastromatteo	Ring Theory	An alternative perspective on projectivity of modules	2/8/2013	Ohio University - Athens	
Jae Keol Park	Ring Theory	Essential Overring Extensions -- Beyond Maximal Rings of Quotients	2/22/2013	Busan National University	
Yaser Tolooei	Ring Theory	Reversible Modules	3/22/2013	Isfahan University of Technology	
Saleem Watson	Ring Theory	On rings of continuous functions	3/29/2013	California State University - Long Beach	
Barbara Osofsky	Ring Theory	Compatible Ring Structures on Injective Hulls of F.E. Rings	4/12/2013	Rutgers University	
Burcu Ungor	Ring Theory	A Generalization of (Dual) Rickart Modules	5/3/2013	Ankara University	
Noya Er	Ring Theory	A kernel functor defined by relative injectivity, and its application to some rings	5/3/2013	University of Rio Grande	

Name	Field	Title	Date	Institution
Ngo Viet Trung	Ring Theory	Krull dimension and monomial orders	5/14/2013	Institute of Mathematics - Vietnam
Paul Oestvaer	Topology	Motivic slices and the graded Witt ring	10/16/2012	University of Oslo
Duane Randall	Topology	On Homotopy Spheres	10/2/2012	Loyola University
Moshe Cohen	Topology/Geometric Group Theory	Kauffman's clock lattice as a graph of perfect matchings: a formula for its height.	1/22/2013	Emmy Noether Mathematical Institute
Nathan Dunfield	Topology	Integer homology 3-spheres with large injectivity radius	2/26/2013	University of Illinois - Urbana-Champaign
Martin Frankland	Topology	The homotopy of p-complete K-algebras	3/5/2013	University of Illinois - Urbana-Champaign
Michael Mandell	Topology	The homotopy theory of cyclotomic spectra	4/9/2013	Indiana University
Andrew Salch	Topology	Chromatic convergence and its discontents	4/30/2013	Wayne State University
Short Term Visitors				
Andrey Gogolev	Short Term Visitor		7/15/12 - 7/29/12	Binghamton University
Tim Burness	Short Term Visitor		9/8/12 - 9/23/12	University of Southamton
Yared Nigussie	Short Term Visitor		8/19/12 - 8/26/12	Columbia University
Pablo-Suarez Serrato	Short Term Visitor		9/30/12 - 10/7/12	UNAM
Paul Oestvaer	Short Term Visitor		10/14/12 - 10/18/12	University of Oslo
Sergey Shpectorov	Short Term Visitor		12/9/12-12/16/12	University Birmingham
Masashi Hamanaka	Short Term Visitor		3/18/13 - 3/24/13	Nagoya University
Joachim Schwermer	Short Term Visitor		3/31/13 - 4/6/13	Erwin Schrodinger Institute
Xing Liang	Short Term Visitor		4/2/13 - 4/8/13	University of Science and Technology of China
Christophe Pittet	Short Term Visitor		5/26/13 - 6/8/13	University Marseille
Ben Schmidt	Short Term Visitor		6/9/13 - 6/15/13	Michigan State
Chris Connell	Short Term Visitor		6/9/13 - 6/15/13	Indiana University
Long Term Visitors				
Yangjin Kim	Long Term Visitor		7/5/12 - 7/20/12	University of Michigan Dearborn
Elena Berdysheva	Long Term Visitor		7/21/12 - 8/7/12	GUTech
Youshan Tao	Long Term Visitor		9/12/12 - 9/26/12	Dong Hua University
Inger Haaland-Knutson	Long Term Visitor		7/24/12 - 8/7/12	University of Agder
Marcello Bernardara	Long Term Visitor		10/11/12 - 11/11/12	University of Toulouse
Stefan Haller	Long Term Visitor		8/20/12 - 9/20/12	University of Vienna
Sergey Khrushchev	Long Term Visitor		9/2/12 - 9/14/12	Kazakh-British Technical University
Pierre-Emmanuel Caprace	Long Term Visitor		10/28/12 - 11/6/12	University of Louvain
Huixia He	Long Term Visitor		11/15/12 - 1/15/13	Beijing University of Aeronautics and Astronautics (BUAA)
Neal Stoltzfus	Long Term Visitor		11/26/12 - 12/7/12	Louisiana State University
Yangjin Kim	Long Term Visitor		2/22/13 - 2/28/13	Konkuk University
Gabriel Navarro	Long Term Visitor		3/16/13 - 3/30/13	Universitat de Valencia

Ian Leary	Long Term Visitor		3/27/13 - 4/11/13	Southampton University
William Evans	Long Term Visitor		5/1/13 - 5/15/13	University of Wales
Carolina Araujo	Long Term Visitor		5/1/13-5/15/13	IMPA
Katia Consani	Long Term Visitor		5/2/13 - 5/12/13	Johns Hopkins University
Blerta Shtylla	Long Term Visitor		6/2/13 - 6/17/13	
Distinguished Visitors				
Gregory Margulis	Zassenhaus Lecturer		10/23/12 - 10/27/12	Yale University
Fanghua Lin	Distinguished Visitor		8/19/12 - 9/1/12	Courant Institute of Mathematical Sciences
Bela Bollobas	Distinguished Visitor		10/15/12 - 10/21/12	The University of Memphis and Cambridge University
Michele Brion	Distinguished Visitor		11/12/12 - 12/6/12	Institut Fourier
M.S. Raghunathan	Distinguished Visitor		3/13/13-4/13/13	Indiana Institute of Technology Bombay
Alain Connes	Distinguished Visitor		5/2/13 - 5/12/13	College de France, IHES