Appendix C

Outside Speakers Supported by MRI
Academic Year 2011 - 2012

Name	Seminar	Talk Title	Date of Visit	Home Institution
Aaron Pixton	Algebraic Geometry	Divisors on the moduli space of stable n-pointed curves of genus 0	11/8/2011	Princeton University
Matthew Satriano	Algebraic Geometry	When is a variety a quotient of a smooth variety by a finite group?	11/22/2011	University of Michigan
Dragos Oprea	Algebraic Geometry	On the strange duality conjecture for abelian surfaces	1/24/2012	UCSD
Roi Docampo	Algebraic Geometry	Jacobian discrepancies and rational singularities	2/21/2012	University of Utah
Kuimars Kaveh	Algebraic Geometry	Okounkov bodies: interplay between algebraic geometry and convex geometry	2/28/2012	University of Pittsburgh
Ivan Soprunov	Algebraic Geometry	Application of Toric Euler-Jacobi theorem to algebraic codes.	5/8/2012	Cleveland State University
Dan Isaksen	Algebraic Geometry	Joint Topology and Algebraic Geometry seminar: Sums-of-squares formulas and motivic cohomology	5/15/2012	Wayne State
Elena Berdysheva	Analysis and Operator Theory	On Turan's problem for $\ell 1$-radial, positive definite functions	9/6/2012	University of Hehenheim
Ales Nekvinda	Analysis and Operator Theory	Optimal Estimates for the Hardy Averaging Operator and its Associate Operator	10/19/2011	Czech Technical University of Prague
Abdoul Ousmane Watt	Analysis and Operator Theory	Polynomials with a Parabolic Majorant and the Duffin-Schaeffer Inequality	10/18/2011	Ecole Ppolytechnique de Thies
Mark Rudelson	Analysis and Operator Theory	Non-asymptotic theory of random matrices: the extreme singular values	11/8/2011	University of Michigan
Nick Anghel	Analysis and Operator Theory	Magnetic Schrodinger Operators with Discrete Spectrum on Kahler Manifolds	11/15/2011	University of North Texas
Osvaldo Mendez	Analysis and Operator Theory	The $p\,(\cdot)$-Laplacian: Modular setting. Eigenvalues and their stability	11/17/2011	University of Texas
Juan Manfredi	Analysis and Operator Theory	Solutions of Nonlinear PDES in the Sense of Averages	1/31/2012	University of Pittsburgh
Alexander Getmanenko	Analysis and Operator Theory	Sheaf theory and the Laplace-transformed Schroedinger equation	1/26/2012	University of Tokyo
Dmitry Ryabogin	Analysis and Operator Theory	On problems of Bonnesen and Klee	2/7/2012	Kent State University
Zelijko Cuckovic	Analysis and Operator Theory	Compactness of Hankel operators on convex domains	2/14/2012	University of Toledo
Olga Holtz	Analysis and Operator Theory	Szegő's theorem for matrix orthogonal polynomials	4/5/2012	Universityof California-Berkeley, Technische Universitat Berlin

Hrushikesh N. Mhaskar	Analysis and Operator Theory	Function approximation on data defined manifolds	4/10/2012	California State University
Nageswari Shanmugalingam	Analysis and Operator Theory	Regularity properties of sets of quasiminimal boundary surfaces	4/17/2012	University of Cincinnati
Benjamin Jaye	Analysis and Operator Theory	Existence and regularity of positive solutions to elliptic equations of Schrödinger type	5/8/2012	Kent State University
David Edmunds	Analysis and Operator Theory	Remarks on entropy numbers	5/22/2012	University of Sussex, Cardiff University
Stephane Malek	Analysis and Operator Theory	On q-Gevrey asymptotics for singularly perturbed q-difference-differential problems with irregular singularity	6/19/2012	University of Lille
Ute Ebert	Applied Math	Finger branching in growing sparks and lightning	11/10/2011	CWI
Pak Wing Fok	Applied Math	Mathematical Models of Atherosclerosis	2/23/2012	University of Delaware
Mary Pugh	Applied Math	Thin Liquid Films with Driving	3/8/2012	University of Toronto
Tong Li	Applied Math	Global Dynamics and Traveling Waves of Chemotaxis Models	4/19/2012	University of Iowa
Olga Vasilyeva	Applied Math	Persistence and competition in habitats with unidirectional flow	4/25/2012	University of Ottawa
Sungmun Cho	Arithmetic Geometry	Local Densities of Quadratic Forms and Group Schemes in Residue Characteristic 2	3/27/2012	Purdue
Alan Frieze	Combinatorics	On a Greedy 2-Matching Algorithm and Hamilton Cycles in Random Graphs with Minimum Degree at Least Three	10/19/2011	Carnegie Mellon
Dominic Dotterrer	Combinatorics	The (co)filling problem in polyhedra	11/2/2011	University of Toronto
Joel Spencer	Combinatorics	Two Needles in Exponential Haystacks	12/7/2012	Courant Institute
Yared Nigussie	Combinatorics	A topological minor embedding of finite trees with a `semi-gap'-condition	1/13/2012	East Tennessee State University
Sukhada Fadnavis	Combinatorics	A generalization of the birthday problem	2/1/2012	Stanford University
Patricia Hersh	Combinatorics	Regular CW Complexes, Total Positivity, and Bruhat Order	4/18/2012	North Carolina State
Robert Jamison	Combinatorics	Antimatroids and Altomare Proof Systems from the Point of View of Closure	5/17/2012	Clemson University, UIUC
Sarah Rundell	Combinatorics	The Coloring Complex of a Hypergraph	5/16/2012	Denison
Julien Keller	Differential Geometry	A canonical flow in Kahler geometry	9/22/2011	Universite, d'Aix-Merseille I
Lan Hsuan Huang	Differential Geometry	On the spacetime positive mass theorem in dimension less than eight	11/8/2011	Columbia University
Pablo Suarez-Serrato	Differential Geometry	On the minimal volume of higher graph manifolds	1/10/2012	University of Wisconsin - Madison & CUHK
Zhizhang Wang	Differential Geometry	A prescribed Gauss-Kronecker curvature problem on the product of two unit spheres	4/10/2012	McGill University

Lluis Alseda	Ergodic Theory/Probability	Attractors for unimodal quasiperiodically forced maps (in collaboration with M. Misiurewicz)	10/27/2011	Universitat Autonoma de Barcelona
Jimmy Tseng	Ergodic Theory/Probability	Points with dense orbits and nondense orbits, respectively, for pairs of maps	11/3/2011	University of Illinois at Urbana-Champaign
Yitzhak Katznelson	Ergodic Theory/Probability	Chromatic numbers and recurrence properties of sequences of integers	12/1/2011	Stanford University
Artem Dudko	Ergodic Theory/Probability	Computability of Julia sets: a survey.	2/16/2012	University of Toronto
Lior Fishman	Ergodic Theory/Probability	Diophantine Approximation for Kleinian Groups	4/26/2012	University of North Texas
David Simmons	Ergodic Theory/Probability	Diophantine Approximation for Kleinian Groups	4/26/2012	University of North Texas
Illie Ugarcovici	Ergodic Theory/Probability	The structure and spectrum of Heisenberg odometers	5/24/2012	DePaul University
Andrew Parrish	Ergodic Theory/Probability	Pointwise Convergence of Averages of $L1$ Functions on Sparse Sets	5/31/2012	University of Illinois at Urbana-Champaign
Pedro Ontaneda	Geometric Group Theory	Smooth Hyperbolization	10/18/2011	SUNY at Binghamton
Robin Lassonde	Geometric Group Theory	On well-quasi-ordered topological ideals of graphs	11/16/2011	University of Michigan
Thomas Koberda	Geometric Group Theory	Right-angled Artin subgroups of right-angled Artin groups	12/13/2011	Harvard
Jim Davis	Geometric Group Theory	Smith Theory	2/28/2012	Indiana University
Philip Ording	Geometric Group Theory	Constructing Heegaard diagrams for knots	5/17/2012	Medgar Evers College, CUNY
Ellen Henke	Group Theory	Minimal fusion systems	12/14/2011	Copenhagen University
Alexandre Turull	Group Theory	Endoisomorphisms and blocks	5/29/2012	University of Florida
Jacob Carson	Logic	Computational Complexity of Automatic Structures	11/15/2011	Notre Dame
Chris Conidis	Logic	Proving that every Artinian ring is Noetherian without proving that every Artinian ring has finite length	11/29/2011	Waterloo
Steve Flood	Logic	Reverse mathematics and a packed Ramsey's theorem	11/22/2011	Notre Dame
Rebecca Steiner	Logic	Orbit Relation and Isomorphism Type for Computable Trees Under Predecessor	1/24/2012	CUNY
Aleksandra Kwaitkowska	Logic	The homeomorphism group of the Cantor set, ample generics, and the projective Fraisse limit	3/27/2012	UIUC
Vincent Guingona	Logic	VC-Density over Indiscernible Sequences	4/10/2012	Notre Dame
Kostyantyn Slutskyy	Logic	Graev metrics on free products and HNN extensions of groups with two-sided invariant metrics	4/3/2012	UIUC
Damir Dzafarov	Logic	New results on the strength of Ramsey's theorem for pairs	4/24/2012	Notre Dame

Charles Steinhorn	Logic	Partial and total orders in o-minimal structures with an application to economics	5/8/2012	Vassar
Abhishek Saha	Number Theory	Determination of modular forms by Fourier coefficients	9/19/2011	ETH
Kenneth Ward	Number Theory	An asymptotic relation of class number and genus for abelian extensions of a function field	10/3/2011	Oklahoma State
Amy DeCelles	Number Theory	Number theoretic applications of the automorphic spectral theory of higher rank groups	10/18/2011	Goshen
Nathan Jones	Number Theory	An alternative view of primitivity of Dirichlet characters	12/5/2011	University of Mississippi
Ricotta Guillaume	Number Theory	Height of Heegner points	2/9/2012	Universite Bordeaux 1
Henry Kim	Number Theory	Application of the strong Artin conjecture to the class number problem	3/12/2012	University of Toronto
Ben Brubaker	Number Theory	Demazure operators and Iwahori Whittaker functions	4/30/2012	MIT
Meijun Zhu	PDE	Differential equations with negative power nonlinearity	11/9/2011	University of Oklahoma
Zhongwei Shen	PDE	Recent Progress on Elliptic Homogenization Problems	12/7/2011	University of Kentucky
Jiakun Liu	PDE	Light reflection problem and nonlinear optimization	2/1/2012	Princeton University
Junfang Li	PDE	A new mean curvature type of flow and its fully nonlinear version	1/25/2012	University of Alabama Birmingham
Emmanuele DiBenedetto	PDE	On the local behavior of solutions of logarithmically singular parabolic equations	2/22/2012	Vanderbilt University
Dehua Wang	PDE	Global solutions of a simplified Ericksen-Leslie system of nematic liquid crystals	4/11/2012	University of Pittsburgh
Louis Rowen	Ring Theory	Specht's Conjecture: Finite generation of T-ideals of affine PI-algebras	9/22/2011	Bar-Ilan University
Greg Oman	Ring Theory	Modules whose proper homomorphic images are of smaller cardinality	10/14/2011	University of Colorado
Surender Jain	Ring Theory	Almost Injective Modules-A Brief Survey	10/21/2011	King Abdulaziz University and Ohio University
Najat Mathni	Ring Theory	Identities on (θ,ϕ)-derivations and θ-centralizers of rings	11/4/2011	King Abdulaziz University and Ohio University
Jae K. Park	Ring Theory	Group Actions on Quasi-Baer and Principally Quasi-Baer Rings	1/27/2012	Busan National University
Jose E. Simental	Ring Theory	Characterizing rings by the extent of injectivity and projectivity of their modules	3/2/2012	
Chris Holston	Ring Theory	Rings whose modules have maximal or minimal projectivity domain	4/20/2012	Ohio University

Gene Abrams	Ring Theory	Leavitt path algebras: Connections and applications	5/11/2012	University of Colorado
Murtaza A. Quadri	Ring Theory	Generalized derivations and commutativity of prime rings	5/31/2012	A.M.U. India
John Oprea	Topology	LS category, the fundamental group and Bochner-type estimates	10/28/2011	Cleveland State University
Ron Fintushel	Topology	Surgery on nullhomologous tori and smooth structures on 4-manifolds	11/1/2011	Michigan State University
Grigori Avramidi	Topology	Isometries of aspherical manifolds	11/9/2011	University of Chicago
Steve Ferry	Topology	Volume Growth, DeRham Cohomology, and the Higson Compactification	11/22/2011	Rutgers University
Dave Constantine	Topology	Group actions and compact Clifford-Klein forms of homogeneous spaces	12/2/2011	University of Chicago
Ian Hambleton	Topology	Co-compact discrete group actions and the assembly map	2/21/2012	McMaster University
Randy McCarthy	Topology	On the Algebraic K-theory of Brave New Tensor Algebras	4/3/2012	University of Illinois at Urbana-Champaign
Short Term Visitors				
Rodolphe Richard	Short Term Visitor		9/8/11 - 9/15/11	Ecole Polytechnique Federal de Lausanne
Christophe Pittet	Short Term Visitor		9/27/11 - 10/2/11	University Marseille
Joseph Marssano	Short Term Visitor		10/9/11 - 10/22/11	University of Chicago
Federico Pellarin	Short Term Visitor		10/8/11 - 10/15/11	University Saint-Etienne
Dominic Dotterrer	Short Term Visitor		11/1/11 - 11/5/11	University of Toronto
Yitzhak Katznelson	Short Term Visitor		11/28/11 - 12/2/11	Stanford
Pablo Suarez-Serrato	Short Term Visitor		1/9/12 - 1/14/12	Universidad Nacional Autonoma de Mexico
Yared Nigussie	Short Term Visitor		1/13/12 - 1/18/12	East Tennessee State University
Julianne Rainbolt	Short Term Visitor		1/29/12 - 2/3/12	St. Louis University
Yulong Xing	Short Term Visitor		2/15/12 - 2/25/12	University of Tennessee
Amalendu Krishna	Short Term Visitor		3/18/12 - 3/25/12	Tata Institute
Xuming Xie	Short Term Visitor		3/18/12 - 3/23/12	Morgan State University
Tetsu Mizumachi	Short Term Visitor		3/19/12 - 3/24/12	Kyushu University
Ruben Sanchez-Garcia	Short Term Visitor		4/21/12 - 4/28/12	University of Southampton
Jianya Liu	Short Term Visitor		4/30/12 - 5/16/12	Shandong University
Robert Jamison	Short Term Visitor		5/16/12 - 5/12/12	Clemson University
Andrew Woldar	Short Term Visitor		5/23/12 - 5/28/12	Villanova University
Alexandre Turull	Short Term Visitor		5/24/12 - 5/30/12	University of Florida
Francesco Fumagalli	Short Term Visitor		5/24/12 - 5/27/12	University of Firenze
Sabarish Chakravarty	Short Term Visitor		5/26/12 - 6/2/12	University of Colorado
Stephane Malek	Short Term Visitor		6/15/12 - 6/24/12	Universite de Lille

Long Term Visitors				
Stefan Haller	Long Term Visitor		8/25/11 - 9/25/11	University of Vienna
Eric Babson	Long Term Visitor		12/7/11 - 1/14/12	UC Davis
Chiu-Chu Melissa Liu	Long Term Visitor		1/8/12 - 1/13/12	Columbia University
Matthias Lesch	Long Term Visitor		1/1/12 - 1/16/12	Universitat Bonn
Avraham Soffer	Long Term Visitor		3/5/12 - 3/31/12	Rutgers University
Allan Pinkus	Long Term Visitor		4/15/12 - 4/28/12	Technion - Israel Institute of Technology
Sui-Cheong Lau	Long Term Visitor		4/23/12 - 4/28/12	IPMU
Florin Radulescu	Long Term Visitor		5/4/12 - 5/31/12	University of Rome Tor Vergata
Andrew Salch	Long Term Visitor		5/12/12 - 5/26/12	Wayne State University
David Edmunds	Long Term Visitor		5/16/12 - 5/25/12	University of Sussex
Bahram Rangipour	Long Term Visitor		5/20/12 - 6/6/12	University of New Brunswick
Distinguished Visitors				
Persi Diaconis	Zassenhaus Lecturer		10/17/11 - 10/19/11	Stanford University
Elon Lindenstrauss	Rado Lecturer		2/27/12 - 3/2/12	The Hebrew University of Jerusalem
Hillel Furstenberg	Distinguished Visitor		10/29/11 - 12/9/11	The Hebrew University of Jerusalem
Philip Hall	Distinguished Visitor		11/2/11 - 11/16/11	Imperial College London
Richard Lyons	Distinguished Visitor		5/6/12 - 5/16/12	Rutgers University
Alain Connes	Distinguished Visitor		5/7/12 - 5/18/12	College de France, IHES