

	A	B	C	D	E
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2	Outside Speakers Supported by MRI				
3	Academic Year 2014-2015				
4					
5	Seminars				
6	Name	Seminar	Talk Title	Date of Visit	Home Institution
7	Matthew Ballard	Algebraic Geometry	Wall Crossing in Moduli Problems and Semi-Orthogonal Decompositions	10/7/2014	University of South Carolina
8	Nick Addington	Algebraic Geometry	On Derived Categories of Moduli Spaces of Torsion Sheaves on K3 Surfaces	9/30/2014	Duke University
9	Dawei Chen	Algebraic Geometry	Effective Divisors on Moduli Space of Curves	10/14/2014	Boston College
10	Zhengyu Zong	Algebraic Geometry	On the remodeling conjecture for toric Calabi-Yau 3-orbifolds	10/21/2014	Columbia University
11	Maksym Fedorchuk	Algebraic Geometry	A Semi-Ampleness Criterion for Divisors on the Moduli Space of Stable Pointed Rational Curves	9/16/2014	Boston College
12	Deepam Patel	Algebraic Geometry	Motivic structures on higher homotopy of non-nilpotent spaces	11/4/2014	Purdue University
13	Angela Gibney	Algebraic Geometry		11/18/2014	University of Georgia
14	Aurel Mihai Fulger	Algebraic Geometry	Positivity for higher (co)dimensional numerical cycle classes	11/25/2014	Princeton University
15	Amin Gholampour	Algebraic Geometry	Rank 2 Donaldson-Thomas theory vertex	2/17/2015	University of Maryland
16	Edwin Leon Cardenal	Algebraic Geometry	p-adic and Archimedean Zeta Functions for Analytic Mappings	3/10/2015	CIMAT/CONACYT
17	Matthew Satriano	Algebraic Geometry	Toric Stacks and Applications to Cycle Theory	3/24/2015	Johns Hopkins
18	Wilberd van der Kallen	Algebraic Geometry	Cohomological finite generation and bifunctors	3/28/2015	University of Utrecht
19					
20	Vldimir Gurarii	Analysis and Operator Theory	Fractional Calculus in the Complex Plane and Curious Consequences for linear ODE's with analytic coefficients	7/8/2014	Swinburne University of Technology
21	Michael Ganzburg	Analysis and Operator Theory	Polynomial Inequalities on Measurable Sets with k-Concave Weighted Measures	10/14/2014	Hampton University
22	Peter Takac	Analysis and Operator Theory	Nonlinear spectral analysis and the Fredholm alternative for the p-Laplacian	10/21/2014	Universitat Rostock
23	Petr Gurka	Analysis and Operator Theory	On p, q -trigonometric functions	11/18/2014	University of Life Sciences
24	Werner Linde	Analysis and Operator Theory	Riemann-Liouville Operators of Varying Order	11/4/2014	University of Delaware
25	Gerald Dunne	Analysis and Operator Theory	Resurgence, trans-series and non-perturbative physics	11/13/2014	University of Connecticut

	A	B	C	D	E
26	Galyna Livshyts	Analysis and Operator Theory	On the perimeter of a convex set	1/27/2015	Kent State University
27	Olivier Bouillot	Analysis and Operator Theory		3/23/2015	Laboratoire d'informatique Gaspard-Monge
28					
29	Shawn Ryan	Applied Math	Effective Properties and Collective Dynamics in Bacterial Suspensions	10/7/2014	Kent State University
30	Min Tang	Applied Math	The Role of Pressure, Cell Multiplication, and Active Motion in Tumor Growth Models	10/23/2014	Shang Hai Jiao Tong University
31	Guang Lin	Applied Math	Sensitivity Analysis, Uncertainty Quantification and Multiscale Modeling of Complex Biological Systems	11/18/2014	Purdue University
32	Michael Renardy	Applied Math	Controllability of linearized compressible flows	1/15/2015	Virginia Tech
33	Bill Symes	Applied Math	Mathematical Aspects of Seismic Inference	2/24/2015	Rice University
34	Fang Li	Applied Math	Global Dynamics of the Lotka-Volterra Competition System with Nonlocal Diffusion	3/3/2015	East China Normal University
35	Peter Kramer	Applied Math	Computational Approaches for Some Stochastic Models in Microbiology	3/26/2015	Rensselaer Polytechnic Institute
36	Jiaxu Li	Applied Math	An integrated model towards closed loop control of plasma glucose level	4/17/2015	University of Louisville
37	Peter Thomas	Applied Math	New approaches to dimension reduction for stochastic conductance based neural models	4/23/2015	Case Western Reserve University
38	Shawn Ryan	Applied Math	Collective Dynamics in Ant Raids	4/28/2015	Kent State University
39	Zhiliang Xu	Applied Math	A RKDG Method with Conservation Constraint to Improve CFL Condition for Solving Conservation Laws and an Energetic Variational Approach to Model Biofilm	4/30/2015	University of Notre Dame
40					
41	Ofer Zeitouni	Combinatorics	Double Roots of Random Littlewood Polynomials	9/22/2014	Weizmann Inst & NYU
42	Yared Nigussie	Combinatorics	Modelling SAT by Tree Ideals	10/9/2014	Columbia University
43	Jun Yin	Combinatorics	Anisotropic local laws for random matrices	10/17/2014	University of Wisconsin- Madison
44	Elliot Paquette	Combinatorics	Stationary Random Graphs and the Hyperbolic Poisson Voronoi Tessellation	10/23/2014	Weizmann Institute
45	Jack Hanson	Combinatorics	Rate of convergence of the mean for sub- additive ergodic sequences	10/30/2014	Indiana University

	A	B	C	D	E
46	Wesley Pegden	Combinatorics	Apollonian structure in the Abelian Sandpile	11/6/2014	Carnegie Mellon University
47	Ori Parzanchevski	Combinatorics	High dimensional expanders	11/20/2014	Princeton
48	Mark Meckes	Combinatorics	Typical marginals of convex bodies	11/13/2014	Case Western Reserve University
49	Boris Buhk	Combinatorics	Subsequences in words and in permutations	2/19/2015	Carnegie Mellon University
50	Deepak Bal	Combinatorics	Monochromatic cycle partitions of random graphs	4/30/2015	Miami University
51					
52	William Heinzer	Commutative Algebra	Blowing Up Finitely Supported Ideals in a Regular Local Ring	10/13/2014	Purdue University
53	Sylvia Wiegand	Commutative Algebra	Building examples using power series over Noetherian rings	12/1/2014	University of Nebraska-Lincoln
54	Evan Houston	Commutative Algebra	Noetherian domains with only finitely many star operations	2/3/2015	UNC Charlotte
55	Jay Shapiro	Commutative Algebra	The Dedekind-Mertens Theorem for power series rings and a content function for arbitrary algebras over a ring	3/30/2015	George Mason University
56	Greg Oman	Commutative Algebra	Rings whose multiplicative endomorphisms are power functions	3/23/2015	University of Colorado - Colorado Springs
57					
58	Lee Kenard	Differential Geometry	Cohomology operations and positive sectional curvature	11/25/2014	UC Santa Barbara
59	Gabor Szekelyhidi	Differential Geometry	Hessian quotient equations on compact Kahler manifolds	3/4/2015	University of Notre Dame
60	Weiyi Zhang	Differential Geometry	Geometric structures, Gromov norm and Kodaira dimensions	3/12/2015	University of Warwick
61	Gordon Heier	Differential Geometry	On semi-positive holomorphic sectional curvature and rational connectedness	3/6/2015	University of Houston
62	Christine Breiner	Differential Geometry	Compactness theory for biharmonic maps into spheres	4/2/2015	Fordham University
63	Ling Xiao	Differential Geometry	Entire downward translating solitons to the mean curvature flow in Minkowski space.	4/23/2015	Rutgers University
64					
65	Vaughn Climenhaga	Ergodic Theory	Tower constructions from specification properties	8/21/2014	University of Houston
66	Ian Melbourne	Ergodic Theory	Mixing for dynamical systems with infinite measure	8/28/2014	University of Warwick

	A	B	C	D	E
67	Ilya Vinogradov	Ergodic Theory	Effective Ratner Theorem for $ASL(2, \mathbb{R})$ and the gaps of the sequence $n\sqrt{\cdot}$ modulo 1	9/11/2014	Bristol
68	Lei Yang	Ergodic Theory	Equidistribution of Evolution of Curves in Homogeneous Space Under Diagonal Flow	9/18/2014	Yale University
69	Anush Tserunyan	Ergodic Theory	Finite generating partitions for continuous actions of countable groups	10/28/2014	University of Illinois-Urbana-Champaign
70	Yair Hartman	Ergodic Theory	The Furstenberg entropy realization problem	10/23/2014	Weizmann Institute
71	Joseph Rosenblatt	Ergodic Theory	Coboundaries	11/6/2014	UIPUI
72	Brandon Seward	Ergodic Theory	Krieger's finite generator theorem for ergodic actions of countable groups	2/5/2015	University of Michigan
73	Bill Mance	Ergodic Theory	Unexpected distribution phenomenon resulting from Cantor series expansions	2/26/2015	University of North Texas
74	Sergii Bezuglyi	Ergodic Theory	Homeomorphic measures on Cantor sets and dimension groups	3/12/2015	University of Iowa
75					
76	Russell Ricks	Geometric Group Theory		9/25/2014	University of Michigan
77	Bena Tshishiku	Geometric Group Theory	Point-Pushing and Nielsen Realization	10/9/2014	University of Chicago
78	Rebecca Winarski	Geometric Group Theory		11/18/2014	Wittenberg University
79	Jack Calcut	Geometric Group Theory	Connected sum at infinity	12/9/2014	Oberlin College
80	Christian Lange	Geometric Group Theory	Local topology and geometry of orbifolds	3/31/2015	University of Cologne
81	Stephen Stadler	Geometric Group Theory	Non-smoothable $CAT(0)$ groups in dimension 4	4/3/2015	University of Cologne
82	Gangotryi Sorcar	Geometric Group Theory	Teichmüller space of Complex Hyperbolic Manifolds	4/9/2015	Binghamton University
83	Spencer Dowdall	Geometric Group Theory	Hyperbolic free group extensions and contracting orbits in Outer space	4/23/2015	UIUC
84	Grigori Avramidi	Geometric Group Theory		5/12/2015	University of Utah
85	Christoforos Neofytidis	Geometric Group Theory	Groups presentable by products and an ordering of Thurston geometries by maps of non-zero degree	5/12/2015	Binghamton University
86	Indira Chatterji	Geometric Group Theory		5/26/2015	University of Nice
87					
88	Daniel Ramras	K-Theory and Motivic Homotopy Theory	Ring spectra and representation spaces of discrete groups	9/25/2014	IUPUI
89	Kun Wang	K-Theory and Motivic Homotopy Theory	Some structural results for Farrell's twisted Nil-gr	10/16/2014	Vanderbilt
90	Michael Andrews	K-Theory and Motivic Homotopy Theory	Non-nilpotent elements in motivic homotopy theory	11/4/2014	MIT
91	Dmitri Pavlov	K-Theory and Motivic Homotopy Theory	Rectification of homotopy coherent algebraic structures to strict ones	11/13/2014	University of Gottingen

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92	Saul Glasman	K-Theory and Motivic Homotopy Theory	The Cyclotomic Hodge Filtration	11/20/2014	MIT
93	Burt Totaro	K-Theory and Motivic Homotopy Theory	The Chow ring of a finite group	11/21/2014	UCLA
94	Aaron Mazel-Gee	K-Theory and Motivic Homotopy Theory	Model-categorical aspects of infinity-categories	12/2/2014	UC Berkeley
95	Emanuele Dotto	K-Theory and Motivic Homotopy Theory	Model-categorical aspects of infinity-categories	12/11/2014	MIT
96	Michel Brion	K-Theory and Motivic Homotopy Theory	Linearization of line bundles	3/10/2015	Institut Fourier
97					
98	Moshe Adrian	Lie Theory	On the local converse problem for $GL(n,F)$	11/5/2014	University of Toronto
99	Johnny Commes	Lie Theory			Boise State University
100	Solomon Friedberg	Lie Theory	Higher Theta Functions	4/22/2015	Boston College
101	Raul Gomez	Lie Theory	Generalized and degenerate Whittaker models associated to nilpotent orbits	4/1/2015	Cornell University
102					
103	Erik Walsberg	Logic	Dimensions of Definable Metric Spaces	9/23/2014	UCLA
104	Anush Tserunyan	Logic	Finite generating partitions for continuous actions of countable groups	10/28/2014	University of Illinois-Urbana-Champaign
105	Gennady Puninsky	Logic	Decidability of the theory of all modules over a ring	1/13/2015	
106	Geoffrey Hellman	Logic	Second-order Reflection in Modal-Structural Interpretations (of set theories)	3/10/2015	University of Minnesota
107	Michael Rathjen	Logic	Strong type theories: Their set and proof-theoretic sides	4/14/2015	University of Leeds
108	John Baldwin	Logic	Model theory and set theory	4/21/2015	University of Chicago
109	Philipp Hieronymi	Logic	A tame Cantor set	5/5/2015	University of Illinois-Urbana-Champaign
110					
111	Krista Maxson	Math Education	College Credit Plus and the Flipped Classroom	4/9/2015	Shawnee State University
112	Jessica Ellis	Math Education	The features of successful college calculus programs: An overview of the CSPCC project's main findings	4/23/2015	Colorado State University
113	Angela Kubena	Math Education	Calculus at UMichigan	5/21/2015	University of Michigan
114					
115	Sandro Bettin	Number Theory	The twisted second moment of the Dirichlet L-functions	10/6/2014	The Centre de Recherches Mathématiques
116	Min Lee	Number Theory	Shifted multiple Dirichlet series and spectral moments of Rankin-Selberg L-functions	10/20/2014	University of Bristol (UK)

	A	B	C	D	E
117	Matthew Young	Number Theory	Weyl-type hybrid subconvexity bounds for twisted L-functions and Heegner points on shrinking sets	10/27/2014	Texas A & M
118	Ian Whitehead	Number Theory	Toward a Casselman-Shalika Formula for Metaplectic Kac-Moody Groups	11/10/2014	University of Minnesota
119	Dani Szpruch	Number Theory	The Langlands Shahidi method and the metaplectic exceptional representations	11/24/2014	University of Indiana
120	Wissam Raji	Number Theory	Unimodularity of zeros of period polynomials of Hecke Eigenforms	2/9/2015	American University of Beirut
121	Nigel Pitt	Number Theory	A cuspidal analogue of Titchmarsh's divisor problem	3/23/2015	University of Maine
122	Paul Pollock	Number Theory	Two analytic problems on CM elliptic curves	3/9/2015	University of Georgia
123	Guangshi Lu	Number Theory	Average behavior of certain arithmetic functions	3/24/2015	Shandong University
124	Baiying Liu	Number Theory	On cuspidality of global Arthur packets of quasi-split classical groups	4/13/2015	University of Utah
125					
126	Sze-Bi Hsu	PDE	On the Dynamics of a Reaction-Diffusion System Modeling Two Species Competition in an Unstirred Chemostat with Internal Storage	9/14/2014	National Tsing-Hua University
127	Junping Shi	PDE	New Bifurcation Theorems and Their Applications	10/15/2014	College of William and Mary
128	Alex Himonas	PDE	Norm Inflation and ill-posedness for CH and related equations.	10/22/2014	Notre Dame
129	Bei Hu	PDE	A PDE Free Boundary Problem for Corporate Bond with Credit Rating Migration	10/21/2014	Notre Dame
130	Chongchun Zeng	PDE	Traveling water waves with compactly supported vorticity	12/3/2014	Georgia Tech
131	Yuriko Renardy	PDE	A viscoelastic constitutive model that predicts thixotropic yield stress behavior for large relaxation time	1/14/2015	Virginia Tech
132	Yaobin Ou	PDE	Global classical solutions to the vacuum free boundary problem of full compressible Navier-Stokes equations with large data	2/11/2015	Tsinghua University
133	Huihui Zeng	PDE	Global Solutions to the Gas-Vacuum Interface Problem with Physical Singularity of Compressible Euler Equations with Damping	2/11/2015	Tsinghua University

	A	B	C	D	E
134	Gabor Szekelyhidi	PDE	Hessian quotient equations on compact Kahler manifolds	3/4/2015	University of Notre Dame
135	Pierre-Emmanuel Jabin	PDE	Weak solutions for compressible advection models	3/11/2015	University of Maryland
136	Huang Feimin	PDE	Sonic-Subsonic Limit of Approximate Solutions to Multidimensional Steady Euler Equations	3/26/2015	Chinese Academy of Sciences
137	Wenxiong Chen	PDE	Direct methods of moving planes, moving spheres, and blowing-ups for the fractional Laplacian	4/1/2015	Yeshiva University
138					
139	Ashish Srivastava	Ring Theory	Modules invariant under automorphisms of their covers and envelopes.	8/8/2014	University of St. Louis
140	Ahmad Haghany	Ring Theory	How Far is a Ring from Being Co-Noetherian	9/26/2014	Isfahan University of Technology
141	Tung Khanh Nguyen	Ring Theory	Automorphism-Invariant Modules	10/10/2014	University of Padova
142	Sudesh Khanduja	Ring Theory	On a Theorem of Ore	10/31/2014	Indian Institute of Science
143	Jae Keol Park	Ring Theory	Compatible ring structures on injective hulls - Revisited	11/7/2014	Pusan National University
144	Yuval Ginosar	Ring Theory	Isotropy in group cohomology	11/14/2014	University of Haifa
145	Gangyong Lee	Ring Theory	Characterizations and direct sums of unit endoregular modules	1/23/2015	Sungkyunkwan University
146	Mohammed Alkdhfi	Ring Theory	Valuations on commutative rings with zero divisors	4/3/2015	Al-Imam University
147	Juan Garcia-Rozas	Ring Theory	Relative Gorenstein dimensions, Foxby classes and applications	4/10/2015	University of Almeria, Spain
148					
149	Michael Donovan	Topology	Koszul duality and unstable spectral sequence operations	10/14/2014	MIT
150	Kun Wang	Topology	Some structural results for Farrell's twisted Nil-groups	10/16/2014	Vanderbilt
151	Michael Ching	Topology	Monads, nilpotency and Goodwillie calculus	10/28/2014	Amherst College
152	Nick Gurski	Topology	K-theory for 2-categories	10/21/2014	Sheffield
153	Michael Andrews	Topology	Non-nilpotent elements in motivic homotopy theory	11/4/2014	MIT
154	Luis Pereira	Topology	Calculus of algebras over a spectral operad	11/18/2014	University of Virginia
155	Jon Beardsley	Topology	Ravenel's $X(n)$ Spectra as Iterated Hopf-Galois Extensions	11/25/2014	Johns Hopkins University
156	Aaron Mazel-Gee	Topology	Model-categorical aspects of infinity-categories	12/2/2014	UC Berkeley

	A	B	C	D	E
157	Gabriel Valenzuela	Topology	Homological algebra of complete and torsion modules	12/9/2014	Weslyan University
158	Michael Shulman	Topology	Spectral sequences in homotopy type theory	1/13/2015	University of San Diego
159	Fedor Manin	Topology	Volume distortion in homotopy groups: a safari	1/27/2015	University of Chicago
160					
161	Larry Wasserman	Topology-Geometry-Data	Statistical Inference for Topology	11/4/2014	Carnegie Mellon University
162	Konstantin Mischaikow	Topology-Geometry-Data	A Database of Dynamic Signatures for Switching	1/29/2015	Rutgers University
163	Carina Curto	Topology-Geometry-Data	Topological and algebraic approaches to the analysis of neural data	2/27/2015	Penn State University
164	Justin Curry	Topology-Geometry-Data	Sheaves as a Foundation for Persistence	3/9/2015	Duke University
165	Katherine Turner	Topology-Geometry-Data	Reconstruction of compact sets using cone fields	3/24/2015	University of Chicago
166	Dejan Slepcev	Topology-Geometry-Data	Variational problems on graphs and their continuum limits	3/31/2015	Carnegie Mellon University
167					
168	Short Term Visitors				
169					
170	Graham Denham	Short Term Visitor		7/22/14 - 7/25/14	University of Western Ontario
171	Max Forester	Short Term Visitor		7/20/14 - 7/25/14	University Oklahoma
172	Wouter van Limbeek	Short Term Visitor		8/17/14 - 8/23/14	University of Chicago
173	Yared Nigussie	Short Term Visitor		10/8/14 - 10/19/14	Columbia University
174	Burt Totaro	Short Term Visitor		11/20/14 - 11/23/14	UCLA
175	Zhizhang Xie	Short Term Visitor		11/9/14 - 11/14/14	University of Texas A & M
176	Jae Keol Park	Short Term Visitor		11/5/14 - 11/22/14	Pusan National University
177	Dmitri Pavlov	Short Term Visitor		11/10/14 - 11/15/14	University of Gottingen
178	Wissam Raji	Short Term Visitor		2/7/15-2/13/15	American University of Beirut
179					
180					
181	Long Term Visitors				
182	Inger Haaland-Knutson	Long Term Visitor		7/8/14 - 7/23/14	University of Agder
183	Joachim Schwermer	Long Term Visitor	On arithmetically defined hyperbolic manifolds and their cohomology	9/28/14 - 10/22/14	University of Vienna
184	Bahram Rangipour	Long Term Visitor		11/23/14 - 12/20/14	University of New Brunswick
185	Wilberd van der kallen	Long Term Visitor	Some mathematical aspects of Rubik's cube	4/18/15 - 5/18/15	Universiteit Utrecht
186	Marcus Slupinski	Long Term Visitor		6/1/15 - 6/30/15	University de Strasbourg

	A	B	C	D	E
187					
188	Distinguished Visitors				
189	Pengfei Guan	Rado Lecturer	Minimal Surfaces and Free Boundary Models	9/29/14 - 10/1/14	University of Texas at Austin
190	Dani Wise	Zassenhaus Lecturer	The Cubical Route to Understanding Groups	4/20/15 - 4/22/15	McGill University
191	Alain Connes	Distinguished Visiting Professor	Geometry and the Quantum	4/26/15 - 5/8/15	Collège de France, IHES, The Ohio State University Distinguished Professor of Mathematics
192	Sir Michael Berry	Distinguished Visitor	Lecture 1 Divergent series: from Thomas Bayes's bewilderment to today's resurgence via the rainbow Lecture 2: Seeing and hearing the Riemann zeros, primes, random-matrix ensembles, random waves... Lecture 3: Curl forces and beyond Lecture 4: Nature's optics and our understanding of light Lecture 5: The singularities of light: intensity, phase, polarization Lecture 6: How quantum physics democratized music	4/12/15 - 4/24/15	University of Bristol
193	Pengfei Guan	Distinguished Visitor	Nonlinear Parabolic Equations and Isoperimetric Type Inequalities	4/20/15 - 5/1/15	McGill University