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2	Visitors Supported by MRI				
3	2016-2017				
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5	<b>Seminars</b>				
6	Name	Seminar	Talk Title	Date of Visit	Home Institution
7	Botong Wang	Algebraic Geometry	Enumeration of points, lines, planes, etc.	11/1/2016	University of Wisconsin-Madison
8	Natalie Hobson	Algebraic Geometry	Quantum Kostka and the rank on problem for $sl(2m)$	11/22/2016	University of Georgia
9	Christian Schnell	Algebraic Geometry	Pushforwards of pluricanonical bundles and morphisms to abelian varieties	11/29/2016	Stony Brook University
10	Stefano Urbinati	Algebraic Geometry	Tropical compactifications, Mori Dream Spaces and Minkowski bases	1/31/2017	Universita' degli Studi di Padova
11	Jose Rodriguez	Algebraic Geometry	Regenerating multidegrees of multiprojective varieties	4/4/2017	University of Chicago
12	Philip Engel	Algebraic Geometry	Enumerating Triangulations	4/18/2017	Harvard University
13	Eugene Gorsky	Algebraic Geometry	Knot invariants and Hilbert schemes	4/25/2017	UC Davis
14					
15	Pavel Drabek	Analysis and Operator Theory	Convergence to travelling waves in the Fisher-Kolmogorov equation with a non-Lipschitzian reaction term	7/26/2016	University of West Bohemia
16	Malcolm Brown	Analysis and Operator Theory	Uniqueness for an inverse problem in electromagnetism with partial data	10/27/2016	University of Wales/Cardiff University
17	Lorena Lopez-Hernan	Analysis and Operator Theory	Dynamics of diffeomorphisms in dimension two around a formal invariant curve	11/17/2016	Universidade Federal de Minas Gerais
18	Hans Parshall	Analysis and Operator Theory	Spherical configurations in dense sets	11/22/2016	University of Georgia
19	Lyonell Boulton	Analysis and Operator Theory	Wild behaviour of a family of backward-forward operators	12/1/2016	Heriot-Watt University
20	Yunyun Yang	Analysis and Operator Theory	Distributions in Spaces with Thick Points	1/11/2017	West Virginia University
21	Brian Simanek	Analysis and Operator Theory	Relative Asymptotics of Orthogonal Polynomials	1/24/2017	Baylor University
22	Steven Senger	Analysis and Operator Theory	Sharpness of Falconer's exponent for two points, and related problems on three points.	2/2/2017	University of Delaware
23	Oscar Dominguez Bonilla	Analysis and Operator Theory	Besov Spaces with Smoothness Close to Zero in Harmonic Analysis	2/7/2017	Universidad Complutense de Madrid, Spain
24	Betsy Stoval	Analysis and Operator Theory	Uniformizing curvature-dependent bounds in harmonic analysis	3/21/2017	University of Wisconsin
25	Stephanie Petermichl	Analysis and Operator Theory	Characterization of multi-parameter BMO via higher order commutators	3/27/2017	University of Toulouse

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26	Frederic Fauvet	Analysis and Operator Theory	Explicit linearization of one-dimensional germs through tree expansions	4/13/2017	Strasbourg University
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28	Jingwei Hu	Applied Math	A fast spectral method for the Boltzmann collision operator with general collision kernels	9/14/2016	Purdue University
29	Lauren Childs	Applied Math	Containing emerging epidemics: a quantitative comparison of quarantine and symptom monitoring	2/3/2017	Virginia Tech
30	Thomas Woolley	Applied Math	Cellular blebs: pressure-driven, axisymmetric, membrane protrusions	2/9/2017	University of Oxford
31	Tau-Mu Yi	Applied Math	Stochastic Spatial Dynamics in Cell Polarity: The Good, The Bad, and The Ugly	3/9/2017	UC Santa Barbara
32	Lexing Ying	Applied Math	Tensor network skeletonization	3/24/2017	Stanford University
33	Peter Hinow	Applied Math	Tiny Giants - Mathematical Looks at Zooplankton Speaker: Peter Hinow	3/29/2017	University of Wisconsin - Milwaukee
34	Yang Yang	Applied Math	Bound-preserving discontinuous Galerkin method for compressible miscible displacements in porous media	4/6/2017	Michigan Technological University
35					
36	Oanh Nguyen	Combinatorics	Roots of random polynomials	9/8/2016	Yale University
37	Sivaguru Sritharan	Combinatorics	An Invitation to Stochastic Navier-Stokes Equation: Solvability, Ergodicity, Large Deviations and Control Theory	9/29/2016	Air Force Institute of Technology
38	David Renfrew	Combinatorics	Eigenvalues of large non-Hermitian random matrices with a variance profile	10/6/2016	SUNY Binghamton
39	Stephen Ge	Combinatorics	The eigenvalue spacing of iid random matrices	10/20/2016	UCLA
40	David Herzog	Combinatorics	Scalings and saturation in infinite-dimensional control problems with applications to stochastic partial differential equations	11/3/2016	Iowa State
41	Joseph Najnudel	Combinatorics	On the maximum of the Riemann zeta function on random intervals of the critical line	11/10/2016	University of Cincinnati
42	Alon Nishry	Combinatorics	Gaussian complex zeros on the hole event: the emergence of a forbidden region	11/17/2016	University of Michigan
43	Jozsef Balogh	Combinatorics	On some geometric applications of the container method	12/1/2016	University of Illinois at Urbana-Champaign
44	Tobias Johnson	Combinatorics	Galton-Watson fixed points, tree automata, and interpretations	12/8/2016	NYU

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45	Ramon Van Handell	Combinatorics	Chaining, interpolation, and convexity	1/26/2017	Princeton University
46	Matt Junge	Combinatorics	The bullet problem with discrete speeds	3/2/2017	Duke University
47	Lutz Warnke	Combinatorics	Upper tails for arithmetic progressions in random subsets	3/9/2017	Georgia Tech
48	Shaked Koplewitz	Combinatorics	Surjectivity and cokernels of random matrices, and the Cohen Lenstra Heuristics.	4/27/2017	Yale University
49					
50	William Heinzer	Commutative Algebra	Normal Noetherian local domains that are not catenary	10/10/2016	Purdue University
51	Olgur Celikbas	Commutative Algebra	On the torsion of tensor products of modules	11/7/2016	West Virginia University
52	Warren McGovern	Commutative Algebra	Spaces of Maximal Ideals and Z-Ultrafilters	1/23/2017	Florida Atlantic University
53	Neil Epstein	Commutative Algebra	How well-behaved is your ring map? The Ohm-Rush content function reconsidered.	2/13/2017	George Mason University
54					
55	Javier Ribon	Complex Analysis	Local intersection dynamics	11/17/2016	Universidad Federal Fluminense
56	Loredana Lanzani	Complex Analysis	On the role of integration by parts in the analysis of the Cauchy-Leray integral	4/25/2017	Syracuse University
57					
58	Paolo Piccione	Differential Geometry	Infinitely many solutions to the Yamabe problem on noncompact manifolds	10/19/2016	Sao Paulo University
59	Xiangwen Zhang	Differential Geometry	Minkowski formulae and Alexandrov's theorems in spacetimes	3/23/2017	UC Irvine
60	Lizhen Ji	Differential Geometry	The Schottky problem from the metric geometric perspective	4/6/2017	University of Michigan
61	Albert Chau	Differential Geometry	The Kahler Ricci flow on complete non-compact Kahler manifolds and applications	4/11/2017	University of British Columbia
62	Xiaodong Cao	Differential Geometry	Einstein four-manifolds with pinched sectional curvature	4/13/2017	Cornell University
63	Chao Xia	Differential Geometry	Inverse anisotropic curvature flow	4/25/2017	Xiamen University
64					
65	Keith Burns	Ergodic Theory	Mixing properties of the Weil-Petersson geodesic flow	9/15/2016	Northwestern University
66	Vladimir Finkelshtein	Ergodic Theory	Diophantine approximation problems for groups of toral automorphisms	9/22/2016	University of Illinois-Chicago
67	Dong Chen	Ergodic Theory	Two types of KAM-nondegenerate nearly integrable systems with positive metric entropy	10/20/2016	Penn State

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68	Tomasz Downarawicz	Ergodic Theory	Solution to the inverse of Sarnak's conjecture	11/10/2016	Wroclaw University
69	Ronnie Pavlov	Ergodic Theory	Weakened specification properties and intrinsic ergodicity for subshifts	11/10/2016	University of Denver
70	Harry Bray	Ergodic Theory	A measure of maximal entropy for geodesic flows of nonstrictly convex Hilbert geometries	2/9/2017	University of Michigan
71	Donald Robertson	Ergodic Theory	Families of mild mixing interval exchange transformations	2/23/2017	University of Utah
72	Felipe Ramirez	Ergodic Theory	Some questions about inhomogeneous approximation	3/2/2017	Wesleyan
73	May Mei	Ergodic Theory	Spectral Properties of Continuum Fibonacci Schrodinger Operators	4/13/2017	Denison University
74	Ayse Sahin	Ergodic Theory	Symbolic and Ergodic Actions of the discrete Heisenberg group	5/25/2017	Wright State University
75	Joel Moreira	Ergodic Theory	Quasi-disjointness	6/1/2017	Northwestern University
76					
77	Michael Gekhtman	Geometry, Combinatorics, and Integrable Systmes	Dilogarithm identities in cluster algebras from Hamiltonian/Lagrangian point of view	1/12/2017	University of Notre Dame
78	Chen He	Geometry, Combinatorics, and Integrable Systmes	Localization and equivariant cohomology of real Grassmannians	1/19/2017	Northeastern
79	Greg Muller	Geometry, Combinatorics, and Integrable Systmes	Bases for cluster algebras	3/2/2017	University of Michigan
80	Pavlo Pylyavskyy	Geometry, Combinatorics, and Integrable Systmes	Solitonic behavior in tropical T-systems	3/9/2017	University of Minnesota
81	Lauren Wililams	Geometry, Combinatorics, and Integrable Systmes	Newton-Okounkov bodies and cluster duality for the Grassmannian	3/23/2017	University of California - Berkeley
82	Michael Shapiro	Geometry, Combinatorics, and Integrable Systmes	Cluster algebras and Poisson structures	4/20/2017	Michigan State University
83					
84	Mark Pengitore	Geometric Group Theory	Precise Residual Finiteness of Lattices in Nilpotent Lie Groups	9/29/2016	Purdue University
85	Samuel Lin	Geometric Group Theory	Curvature Free Rigidity for Higher Rank Three-manifolds	10/25/2016	Michigan State University
86	Lien-Yung Kao	Geometric Group Theory	Entropy, Critical Exponent, and Immersed Surfaces in Hyperbolic 3-Manifolds	1/31/2017	University of Notre Dame
87	Caglar Uyanik	Geometric Group Theory	Geometry and dynamics of free group automorphisms	2/9/2017	University of Illinois - Chicago
88	Devin Murray	Geometric Group Theory	The morse boundary determines CAT(0) groups up to quasi-isometry	2/23/2017	Brandeis University

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89	Tyrone Ghaswala	Geometric Group Theory	Mapping class groups, coverings, braids and groupoids	3/2/2017	University of Waterloo
90	Grigori Avramidi	Geometric Group Theory	Topology of ends of finite volume, nonpositively curved manifolds	3/21/2017	University of Munster
91	Ivan Levcovitz	Geometric Group Theory	Divergence of CAT(0) cube complexes and right-angled Coxeter groups	3/30/2017	City University of New York
92	Matthew Haulmark	Geometric Group Theory	A classification theorem for boundaries of groups with isolated flats	4/20/2017	University of Wisconsin - Milwaukee
93	Rachel Skipper	Geometric Group Theory	The congruence subgroup problem for a family of branch groups	4/27/2017	Binghamton University
94	Stephen Stadler	Geometric Group Theory	On the theorem of Fary-Milnor	5/30/2017	Universität München
95					
96	Patrick Brosnan	K-Theory and Motivic Homotopy Theory	Perverse obstructions to flat regular compactifications	1/17/2017	University of Maryland
97	Deepam Paterl	K-Theory and Motivic Homotopy Theory	Enriched Hodge structures on complex analytic thickenings	2/9/2017	Purdue University
98	Teena Gerhardt	K-Theory and Motivic Homotopy Theory	Computations in algebraic K-theory	2/21/2017	Michigan State University
99	Anna Marie Bohman	K-Theory and Motivic Homotopy Theory	Some tools for understanding topological coHochschild homology	2/28/2017	Vanderbilt
100	Bogdan Gheorghe	K-Theory and Motivic Homotopy Theory	The motivic cofiber of tau	3/2/2017	Wayne State University
101					
102	Michael Collins	Lie Groups and Representation Theory	Bounds for Finite Linear Groups: From Jordan and Minkowski to a Question of Serre	10/6/2016	Oxford University
103	Jose Rodriguez	Lie Groups and Representation Theory	Harish-Chandra bimodules for rational Cherednik algebra	1/25/2017	Northeastern University
104	Chen Wan	Lie Groups and Representation Theory	Multiplicity one theorem for the Ginzburg-Rallis model	2/20/2017	University of Minnesota
105	Alex Weekes	Lie Groups and Representation Theory	Highest weights and cohomology rings	4/11/2017	Perimeter Institute for Theoretical Physics
106	Valerio Toledano Laredo	Lie Groups and Representation Theory	Quasi-Coxeter Categories, the Casimir connection and quantum Weyl groups	4/26/2017	Northeastern University
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108	Allen Gehret	Logic			University of Illinois-Champaign-Urbana
109	Erik Walsberg	Logic	First order expansions of the ordered real additive group	1/30/2017	University of Illinois-Champaign-Urbana
110	Erin Caulfield	Logic	Classifying expansions of the real field by complex subgroups	2/28/2017	University of Illinois-Champaign-Urbana

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111	William Simmons	Logic	Mining effective information from nonconstructive proofs in differential algebra	3/7/2017	University of Pennsylvania
112	Margaret Thomas	Logic	Smooth parameterization in o-minimal structures	4/11/2017	University of Konstanz
113	James Freitag	Logic	Model theory and Painleve equations	4/18/2017	University of Illinois - Chicago
114	Charles Steinhorn	Logic	Asymptotic classes, measurable structures, and beyond	6/7/2017	Vassar College
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117	Ben Hayes	Noncommutative Geometry and Operator Algebras	Fuglede-Kadison determinants and sofic entropy	10/26/2016	Vanderbilt University
118	Marcel Bischoff	Noncommutative Geometry and Operator Algebras	Generalized orbifold construction for conformal nets	11/3/2016	Vanderbilt University
119	Adam Fuller	Noncommutative Geometry and Operator Algebras	Boundary Representations of Operator Spaces	12/1/2016	Ohio University
120	Yang Liu	Noncommutative Geometry and Operator Algebras	Scalar curvature in the conformal geometry of Connes-Landi deformation	2/14/2017	Max Planck Institute of Mathematics
121	Alan Wiggins	Noncommutative Geometry and Operator Algebras	Results and Problems on Perturbations of $\text{II}_1$ Factors	2/21/2017	University of Michigan - Dearborn
122	Farzad Fathizadeh	Noncommutative Geometry and Operator Algebras	The term $a_4$ in the heat kernel expansion of noncommutative tori	2/28/2017	Cal Tech
123	Brent Nelson	Noncommutative Geometry and Operator Algebras	Free transport for interpolated free group factors	3/7/2017	UC Berkeley
124	Michael Hartglass	Noncommutative Geometry and Operator Algebras	Weighted graphs as compact quantum metric spaces	4/18/2017	UC Riverside
125					
126	Brad Rodgers	Number Theory	Sums in short intervals and decompositions of arithmetic functions	1/30/2017	University of Michigan
127	Ralf Schmidt	Number Theory	The paramodular conjecture and the representation theory of $\text{GSp}(4)$	2/13/2017	University of Oklahoma
128	Jay Jorgenson	Number Theory	Modular Dedekind symbols associated to Fuchsian groups and higher-order Eisenstein series	2/27/2017	City College of New York
129	Kestutis Cesnavicius	Number Theory	The Manin constant in the semistable case	3/6/2017	UC Berkeley
130	Liyang Zhang	Number Theory	Quantum Unique Ergodicity of Degenerate Eisenstein Series on $\text{GL}(n)$	4/3/2017	Yale University
131	Bao Le Hung	Number Theory	Congruences between automorphic forms	4/17/2017	University of Chicago
132	Baiying Liu	Number Theory	On the local converse theorem for $\text{GL}_n$	4/24/2017	Purdue University
133					
134	Blair Davey	PDE	Recent progress on Landis' conjecture	10/4/2016	City College New York

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135	Peter Polacik	PDE	Propagating terraces in the dynamics of parabolic equations	10/18/2016	University of Minnesota
136	Ming Chen	PDE			University of Pittsburgh
137	Philip Korman	PDE	Exact multiplicity of solutions for some semilinear Dirichlet problems	11/15/2016	University of Cincinnati
138	Sebastian Picard	PDE			Columbia University
139	Anna Ghazaryan	PDE	Existence of fronts a population model for mussel-algae interaction.	3/7/2017	Miami University
140	Changyou Wang	PDE	High dimensional Ginzburg-Landau equations under weak anchoring boundary conditions	3/28/2017	Purdue University
141	Kesh Govinder	PDE	Applications of symmetry methods to differential equations	2/14/2017	MBI
142	Qiliang Wu	PDE		2/21/2017	Michigan State University
143	Arnd Scheel	PDE	Growing stripes	2/28/2017	University of Minnesota
144	Jungping Shi	PDE	Existence, uniqueness and stability of positive steady state solution to nonlocal Fisher type equations	3/8/2017	College of William and Mary
145	Jiaping Wang	PDE	Geometry of shrinking Ricci solitons	4/20/2017	University of Minnesota
146					
147	Corey Jones	Quantitative Algebra/Quantative Topology	Classification of planar algebras by skein theory	9/8/2016	Australian National University
148	Noah Snyder	Quantitative Algebra/Quantative Topology	Radford's theorem and the belt trick	9/29/2017	Indiana University
149	Alexei Davydov	Quantitative Algebra/Quantative Topology	Commutative algebra in braided tensor categories	10/27/2016	Ohio University
150	Marcel Bischoff	Quantitative Algebra/Quantative Topology	Extensions of modular tensor categories and subtheories in conformal field theory	11/3/2016	Vanderbilt University
151	Pat Gilmer	Quantitative Algebra/Quantative Topology	An application of TQFT to modular representation theory	12/1/2016	Lousiana State University
152	Eric Rowell	Quantitative Algebra/Quantative Topology	Classifying Unitary Braided Fusion Categories	12/8/2016	Texas A & M University
153	Diana Hubbard	Quantitative Algebra/Quantative Topology	An annular refinement of the transverse element in Khovanov homology	3/30/2017	University of Michigan

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154	Julia Plavnik	Quantitative Algebra/Quantative Topology	Gauging the symmetry of modular categories	4/4/2017	Texas A & M University
155	Siu-Hung Ng	Quantitative Algebra/Quantative Topology	Arithmetic invariants of modular categories	5/25/2017	Louisiana State University
156					
157	Bulent Sarac	Ring Theory	On the Structure of Ideals in Skew Polynomial Rings over HNP Rings	9/2/2016	Hacettepe University
158	Emilia Wijayanti	Ring Theory	On the class of $\Lambda$ -modules	9/16/2016	Universitas Gadjah Mada
159	Sergio Zamora-Erazo	Ring Theory	On additive classes and rings	9/30/2016	UAM
160	Nguyen Tu Cuong	Ring Theory	On the index of reducibility in Noetherian modules	10/14/16	Institute of Mathematics, Vietnam Academy of Science and Technology
161	Shehzad Ahmed	Ring Theory	An Algebraic Consequence of Determinacy	10/28/16	Ohio University
162	Shehzad Ahmed	Ring Theory	The Automatic Continuity Problem for Banach Algebras	2/24/17	Ohio University
163	Dan Bossaller	Ring Theory	Algebras having bases whose elements are invertible relative to a family of local units (preliminary report)	3/24/17	Ohio University
164	Asiyeh Rafieipour	Ring Theory	On MDS and Near-MDS Codes	4/7/17	University of Kashan
165	Javier Ronquillo	Ring Theory	Urysohn Space and Distance Matrices	4/7/17	Ohio University
166	Jae Park	Ring Theory	Quasi-Baer Module Hulls and Applications	4/21/17	Pusan National University
167	Surjeet Singh	Ring Theory	Almost Relative Injective Modules	5/12/17	Punjab University
168	S. K. Jain	Ring Theory	When are nonnegative matrices product of nonnegative idempotent matrices?	5/12/17	Ohio University
169					
170	Ben McMillan	Topology	The geometry and conservation laws of scalar parabolic differential equations	10/25/2016	Simons Center Stony Brook
171	Sam Nariman	Topology	Friedlander-Milnor's problem for diffeomorphism groups	11/15/2016	Northwestern University
172	Anna Marie Bohman	Topology	Some tools for understanding topological coHochschild homology	2/28/2017	Vanderbilt University
173	Teena Gerhardt	Topology	Computations in algebraic K-theory	2/21/2017	Michigan State University
174	Qayum Khan	Topology	Stable existence of incompressible 3-manifolds in 4-manifolds	2/3/2017	St. Louis University
175	Matt Rathburn	Topology	Complete classification of generalized crossing changes between Genus One Fibered Knots	3/21/2017	CSU Fullerton
176	Carolyn Yarnall	Topology	A new formulation of the slice filtration	4/11/2017	University of Kentucky
177	Daniel Visscher	Topology	Anosov geodesic flows on surfaces embedded in $\mathbb{R}^3$	4/25/2017	University of Michigan



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178	Shi Wang	Topology	Simplicial volume of nonpositively curved manifolds	5/11/2017	Indiana University
179					
180	Vanessa Robins	Topology-Geometry-Data	Persistent homology analysis of x-ray micro-CT images of porous and granular materials.	10/11/2016	Australian National University
181	Eric Goubault	Topology-Geometry-Data	Recent Advances in Directed Algebraic Topology	11/1/2016	Ecole Polytechnic
182	Sara Kalisnik	Topology-Geometry-Data	Tropical Coordinates on the Space of Persistence Barcodes	11/15/2016	Brown University
183	Henry Adams	Topology-Geometry-Data	Vietoris-Rips complexes of circles, ellipses, and higher-dimensional spheres	2/7/2017	Colorado State
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186	<b>Short Term Visitors</b>				
187	Min Tang	Short Term Visitor		7/5/16-7/9/16	Jiao Tong University
188	Keith Burns	Short Term Visitor		9/11/16-9/15/16	Northwestern University
189	Ravindra Girivaru	Short Term Visitor		9/25/16-9/30/16	University of Missouri - St. Louis
190	Brian Malcolm Brown	Short Term Visitor		10/25/16-10/30/16	University of Wales and Cardiff University
191	Javier Ribon	Short Term Visitor		11/12/16-11/20/16	Universidade Federal Fluminense
192	Lorena Lopez-Hernanz	Short Term Visitor		11/12/16-11/20/16	Universidade Federal de Minas Gerais
193	Lyonell Boulton	Short Term Visitor		11/27/16-12/11/16	Heriot-Watt University
194	Tobias Johnson	Short Term Visitor		12/6/16-12/12/16	NYU
195	Patrizio Frosinni	Short Term Visitor		4/1/17-4/8/17	University of Bologna
196					
197	<b>Long Term Visitors</b>				
198	Younghwan Son	Long Term Visitor		8/2/16-8/13/16	Postech, Korea
199	Alexander Gorokhovskiy	Long Term Visitor		8/7/16-8/28/16	University of Colorado
200	Karoly Simon	Long Term Visitor		1/30/17-2/18/17	Budapest University of Technology and Economics
201	Renhao Cui	Long Term Visitor		1/10/17-5/10/17	Harbin Normal University
202	Mahbubul Majumdar	Long Term Visitor		4/16/17-5/21/17	BRAC University
203	Marcus Slupinski	Long Term Visitor		5/15/17-6/15/17	University de Strasbourg
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206	<b>Distinguished Visitors</b>				
207	Shing Tung-Yau	Rado Lecturer		1/18/17-1/20/17	Harvard University

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208	Ravi Vakil	Zassenhaus Lecturer		3/20/17 - 3/22/17	Stanford University
209	James Carlson	Distinguished Lecturer		Autumn Semester	
210	Sergei Lando	Distinguished Lecturer		Spring Semester	High School of Economics
211	Jean-Michel Bismut	Distinguished Visitor		4/4/17-4/25/17	Universite Paris-Sud