

	A	B	C	D	E
1					
2	Visitors Supported by MRI				
3	2018-2019				
4					
5	Seminars				
6	Name	Seminar	Talk Title	Date of Visit	Home Institution
7	Rachel Webb	Algebraic Geometry	The Abelian-Nonabelian Correspondence for Quasimap I-functions	9/4/18-9/5/18	University of Michigan
8	Harry Richman	Algebraic Geometry	Equidistribution of tropical Weierstrass points	10/15/18-10/16/18	University of Michigan
9	Daniel Hast	Algebraic Geometry	Rational points and unipotent fundamental groups	10/21/18-10/24/18	Rice University
10	Brooke Ullery	Algebraic Geometry	Measures of irrationality for algebraic varieties	11/26/18-1/28/18	Harvard University
11	Graham Denham	Algebraic Geometry	Arrangements, matroids, and CSM classes	1/20/19-1/12/19	Western University
12	David Jensen	Algebraic Geometry	Linear Systems on General Curves of Fixed Gonality	2/18/19-2/20/19	University of Kentucky
13	Eric Riedl	Algebraic Geometry	Hyperbolicity of hypersurfaces in projective space	3/18/19-3/19/19	Notre Dame
14	Dennis Tseng	Algebraic Geometry	Equivariant Degenerations of Plane Curve Orbits	4/15/19-4/19/19	Harvard University
15	Changjian Su	Algebraic Geometry	Motivic Chern classes and Iwahori invariants of principal series	4/8/19-4/10/19	University of Toronto
16					
17	Osvaldo Mendez	Analysis and Operator Theory	Musiak-Orlicz-Nakano spaces, a compactness theorem and applications	8/15/18-8/19/18	University of Texas El Paso
18	Anna Kaminska	Analysis and Operator Theory	Geometric properties of noncommutative symmetric spaces of measurable operators and unitary matrix ideals	10/15/18-10/17/18	University of Memphis
19	Leonid Slavin	Analysis and Operator Theory	Dimension-free estimates for semigroup BMO and related classes	10/22/18-10/24/18	University of Cincinnati
20	John Dever	Analysis and Operator Theory	Space and Time Scaling Exponents on Fractals and Compact Metric Spaces	11/6/2018	Bowling Green State University
21	Gerald Dunne	Analysis and Operator Theory	Resurgent Extrapolation and Summation: Painleve I	12/17/18-12/19/18	University of Connecticut
22	Yumeng Ou	Analysis and Operator Theory	Recent developments on Falconer's distance set problem	2/21/19-2/22/19	CUNY New York
23	Jana Bjorn	Analysis and Operator Theory	Sobolev spaces and p-harmonic functions on metric spaces - How and why?	2/4/19-2/6/19	Linkoping Univ
24	Anders Bjorn	Analysis and Operator Theory	Boundary regularity for the nonlinear p -parabolic and porous medium equations	3/11/19-3/12/19	Linkoping Univ
25	Lubos Pick	Analysis and Operator Theory	Moser meets Gauss	4/27/19-5/5/19	Charles University

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26	Lenka Slavickova	Analysis and Operator Theory	The Hörmander multiplier theorem: some recent developments	5/8/19-5/10/19	University of Missouri
27	Oswaldo Mendez	Analysis and Operator Theory	A question regarding the uniform convexity of Lebesgue spaces of variable integrability.	5/18/19-5/24/19	University of Texas El Paso
28					
29	Ilse Ipsen	Applied Math		9/10/18-9/12/18	North Carolina State University
30	Hans Kaper	Applied Math		9/19/18-9/21/18	
31	Amit Singer	Applied Math		9/24/18-9/25/18	Princeton University
32	Ning Wei	Applied Math	The dual effect of ephaptic coupling on cardiac conduction with heterogeneous expression of connexin 43	10/17/18-10/19/18	Purdue University
33	Lili Ju	Applied Math	Conservative Explicit Local Time-stepping Schemes for the Shallow Water Equations	10/3/18-10/5/18	University of South Carolina
34	William Kath	Applied Math	Special Applied Math Seminar Series	10/17/18-10/19-18	Northwestern University
35	Juan Cheng	Applied Math	Symmetry-preserving and positivity-preserving Lagrangian schemes for compressible multi-material fluid flows	11/7/18-11/9/18	Univ of Applied Physics and Computational Mathematics, Beijing
36					
37	Sebastian Cioaba	Combinatorics	The smallest eigenvalues of Hamming, Johnson and other graphs	10/3/18-10/5/18	University of Delaware
38	Thomas Leble	Combinatorics	The Sine-beta process: DLR equations and applications	10/17/18-10/19/18	New York University
39	Tomasz Tkocz	Combinatorics	On the cover time of the emerging giant	10/24/18-10/25/18	Carnegie Mellon University
40	Shirshendu Chatterjee	Combinatorics	Detection of Anomalous Path in a Noisy Network	10/31/18-11/2/18	CUNY City college
41	Giorgios Petridis	Combinatorics	Counting isosceles trapezoids	11/7/18-11/8/18	University of Georgia
42	Jiaoyang Huang	Combinatorics	Invertibility of adjacency matrices for random d-regular graphs	11/14/18-11/16/18	Harvard University
43	Michael Damron	Combinatorics	Lower bounds for fluctuations in first-passage percolation	11/28/18-11/30/18	Georgia Tech
44	Yuvel Peled	Combinatorics	Enumeration and randomized constructions of hypertrees	12/4/18-12/7/18	Courant Institute, New York University
45	Elizabeth Meckes	Combinatorics	On the eigenvalues of Brownian motion on $U(n)$	2/7/2019	Case Western Reserve University
46	Jack Hanson	Combinatorics	Universality of the time constant for critical first-passage percolation on the triangular lattice	4/3/19-4/5/19	CUNY, City College
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48	William Heinzer	Commutative Algebra	Complete Ideals of 2-dimensional Noetherian Regular Domains	10/7/18-10/9/18	Purdue University
49	Byung Gyun Kang	Commutative Algebra	Krull dimension of power series rings	1/23/19-2/2/19	Pohang University of Science and Technology, South Korea
50	Carmelo Finocchiaro	Commutative Algebra	A survey on spectral spaces	3/29/19-4/2/19	University of Padova
51	Paolo Zanardo	Commutative Algebra	Products of idempotent matrices, PRINC domains, comaximal factorization domains	4/6/19-4/11/19	University of Padova
52					
53	Jun Zhang	Differential Geometry	Statistical Manifold and Entropy-Based Inference	9/26/18-9/28/18	University of Michigan
54	Xin Zhou	Differential Geometry	Multiplicity One Conjecture in Min-max theory	2/28/19-3/1/19	University of California Santa Barbara and Institute for Advanced Study
55	Xiaodong Wang	Differential Geometry	On the size of compact Riemannian manifolds with nonnegative Ricci curvature and convex boundary	3/6/19-3/8/19	Michigan State University
56	Gabe Kahn	Differential Geometry	Complex geometry and optimal transport	3/21/19-3/25/19	University of Michigan
57	Man Chun Lee	Differential Geometry	Hermitian manifolds with non-positive curvature	4/2/19-4/6/19	University of British Columbia
58					
59	Asaf Katz	Ergodic Theory	Quantitative disjointness of nilflows and horospherical flows	9/12/18-9/14/18	University of Chicago
60	Disheng Xu	Ergodic Theory	Rigidity of higher rank smooth abelian action with hyperbolicity	9/26/18-9/28/18	University of Chicago
61	Manuel Luethi	Ergodic Theory	Primitive rational points on expanding horospheres	10/7/18-10/13/18	ETH-Zurich
62	Ahn Le	Ergodic Theory	Subsequences of multiple correlations	10/31/18-11/2/18	Northwestern University
63	Zhenqi Wang	Ergodic Theory	Smooth Local Rigidity of Algebraic Actions	11/7/18-11/8/18	Michigan State University
64	Sebastian Donoso	Ergodic Theory	Quantitative multiple recurrence in ergodic theory	11/30/18-12/17/18	Universidad de O'Higgins
65	Aurelia Dymek	Ergodic Theory	Proximity of generalized \mathbf{B} -free systems	2/28/2019	Nicolaus Copernicus Univ
66	Florian Richter	Ergodic Theory	Uniform distribution of polynomial and non-polynomial sequences in nilmanifolds	2/20/19-2/24/19	Northwestern University
67	Farruh Shahidi	Ergodic Theory		4/7/19-4/8/19	Penn State University
68					
69	Melissa Sherman-Bennett	Geometry, Combinatorics, and Integrable Systmes	Combinatorics of cluster structures in Schubert varieties	11/1/18-11/3/18	UC Berkeley, Harvard

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70	Christopher Eur	Geometry, Combinatorics, and Integrable Systmes	Divisors on matroids and their volumes	10/17/18-10/19/18	UC Berkeley
71	Takeshi Ikeda	Geometry, Combinatorics, and Integrable Systmes	K-theory Schubert calculus of the maximal orthogonal Grassmannian and set-valued decomposition tableaux	10/24/18-10/26/18	Virginia Tech
72	Cesar Cuenca	Geometry, Combinatorics, and Integrable Systmes	q-analogues of representation-theoretic measures	2/6/19-2/8/19	MIT
73	Ben Wormleighton	Geometry, Combinatorics, and Integrable Systmes	Approaching quasi-period collapse via orbifold singularities	2/27/19-3/1/19	UC Berkeley
74	Rahul Singh	Geometry, Combinatorics, and Integrable Systmes	The Conormal Variety of a Cominuscule Schubert Variety	3/6/19-3/10/19	Northeastern
75	Steven Karp	Geometry, Combinatorics, and Integrable Systmes	Combinatorics of the amplituhedron	3/28/19-3/29/19	University of Michigan
76	Fu Liu	Geometry, Combinatorics, and Integrable Systmes	Combinatorics of nested Braid fans	4/3/19-4/5/19	UC Davis
77					
78	Damian Osajda	Geometric Group Theory	A combination theorem for combinatorially non-positively curved complexes of hyperbolic groups	11/30/18-12/5/18	Univ of Wroclaw and McGill University
79	Thang Nguyen	Geometric Group Theory	Quasi-isometric rigidity of warped cones and expanders	11/2/18-11/6/18	New York University
80	Kasia Jankiewicz	Geometric Group Theory	Cubical dimension of small cancellation groups	11/15/18-11/17/18	University of Chicago
81	Christoforos Neofytidis	Geometric Group Theory	The simplicial volume of mapping tori of 3-manifolds	2/4/19-2/6/19	University of Geneva
82	Arie Levit	Geometric Group Theory	Surface groups and flexibly stable	3/17/19-3/20/19	Yale University
83	Ignat Soroko	Geometric Group Theory	Groups of type FP: their quasi-isometry classes and homological Dehn functions	3/24/19-3/27/19	Louisiana State University
84	Harrison Bray	Geometric Group Theory	The shape of Thurston's master teapot	4/1/19-4/13/19	University of Michigan
85					
86	Liang Xiao	Harmonic Analysis and Automorphic Form	Bloch--Kato conjecture for some Rankin-Selberg motives	2/18/19-2/20/19	University of Connecticut
87	Tasho Kaletha	Harmonic Analysis and Automorphic Form	Supercuspidal L-packets	4/1/19-4/3/19	University of Michigan
88					
89	Manuel Rivera	Homotopy Theory	Singular chains and the fundamental group	10/17/18-10/19/18	University of Miami
90	Keely Grossnickle	Homotopy Theory	Overlapping Discs Filtration in the Commutative Operad	11/7/18-11/9/18	Kansas State University
91	Kristine Bauer	Homotopy Theory	The algebraic De Rham complex and calculus	10/29/18-10/31/18	University of Calgary

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92	Mark Johnson	Homotopy Theory	Higher homotopy operations as obstructions	10/31/18-11/2/18	Penn State Altoona
93	Daniel Davis	Homotopy Theory	An application of continuous homotopy fixed points to chromatic homotopy theory	11/14/18-11/15/18	University of Louisiana
94	Brenda Johnson	Homotopy Theory	Functor Precalculus	11/28/18-12/2/18	Union College
95	John Berman	Homotopy Theory		12/5/18-12/10/18	University of Texas at Austin
96	Alexander Rolle	Homotopy Theory	Classifying spaces of projective linear groups	12/12/18-12/14/18	Western Ontario
97					
98	Akhil Mathew	K-Theory and Motivic Homotopy Theory	p-adic K-theory and topological cyclic homology	11/15/2018	University of Chicago
99	Alexander Rolle	K-Theory and Motivic Homotopy Theory	Classifying spaces of projective linear groups	12/12/18-12/14/18	Western Ontario
100	Alexander Engel	K-Theory and Motivic Homotopy Theory	Injectivity of cross products on the Higson-Roe sequence	2/11/19-2/22/19	University of Regensburg
101	Pablo Pelaez	K-Theory and Motivic Homotopy Theory	Comparing Milnor and effective K-theory	3/12/19-3/19/19	UNAM
102	John Klein	K-Theory and Motivic Homotopy Theory	Algebraic Topology and Fluctuations	4/10/19-4/11/19	Wayne State University
103					
104	Dimitrios Tsementzis	Logic	First-Order Logic with Isomorphism	9/18/2018	Rutgers University
105	Gabriel Conant	Logic	Arithmetic regularity for VC-sets in finite groups	11/26/18-11/28/18	Notre Dame
106	Alex Kruckman	Logic	Interpolative Fusions	1/28/19-1/29/19	Indiana University Bloomington
107	Steve Awodey	Logic	Impredicative encodings in homotopy type theory	2/4/19-2/5/19	Carnegie Mellon
108	Henry Towsner	Logic	Generalizing VC dimension to higher arity	3/4/19-3/7/19	University of Pennsylvania
109	Greg Cousins	Logic	PAC fields with a strong notion of model completeness	3/25/19-3/27/19	Notre Dame
110	Alex Savatosky	Logic	Expansions of the real that do not define new smooth functions	5/12/19-5/15/19	University of Konstanz
111					
112	Colleen Delaney	Noncommutative Geometry and Operator Algebras	Link invariants and anyon models	10/20/18-10/25/18	UC Santa Barbara
113	Scott Atkinson	Noncommutative Geometry and Operator Algebras	Tracial stability and graph products	11/28/18-11/30-18	Vanderbilt University
114	Dominic Williamson	Noncommutative Geometry and Operator Algebras	Symmetry-enriched topological tensor network states and graded fusion categories	3/18/19-3/20/19	Yale University

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115	Manuel Reyes	Noncommutative Geometry and Operator Algebras	Toward a functorial quantum spectrum for noncommutative algebras	3/20/19-3/22/19	Bowdoin College
116	Caterina Consani	Noncommutative Geometry and Operator Algebras	Under and above $\text{Spec}(\mathbb{Z})$	5/6/19-5/10/19	Johns Hopkins University
117					
118	William Andrew Mance	Number Theory	Normal numbers with respect to the Cantor series expansions and possible applications to studying algebraic varieties	9/16/18-9/18/18	Adam Mickiewicz University
119	Elad Zelingher	Number Theory	Exterior square gamma factors for cuspidal representations of GL_n	10/20/18-10/23/18	Yale University
120	Lola Thompson	Number Theory	Counting quaternion algebras with applications to spectral geometry	1/27/19-1/28/19	Oberlin College
121	Harald Helfgott	Number Theory	Summing $\mu(n)$: a better elementary algorithm	2/24/19-2/25/19	University of Gottingen and CRNS
122	Alia Hamieh	Number Theory	Value-Distribution of Cubic Hecke L -functions	4/14/19-4/16/19	University of Northern British Columbia
123	Jay Jorgenson	Number Theory	Construction of non-holomorphic Eisenstein-type series and their Kronecker limit formulas	4/28/19-4/30/19	City College of New York
124	Sudesh Khanduja	Number Theory	A walk through integrally closed domains and their applications in Number Theory	6/16/19-6/18/10	IISER Mohali
125					
126	Chris Cosner	PDE	The role of nonlocal information in the dispersal of animals in spatiotemporally varying environments	10/9/18-10/11/18	University of Miami
127	Chris Klausmeier	PDE	Theoretical Approaches to Phytoplankton Ecology	10/2/18-10/4/18	Michigan State
128	Wenxian Shen	PDE	Dynamics in Chemotaxis Models with Logistic Source	10/11/18-10/12/18	Auburn University
129	Emeric Bouin	PDE	About propagation in integro-differential equations	1/30/19-2/8/19	Universite Paris-Dauphine
130	Judith Miller	PDE	Spatial population dynamics with adaptation to a heterogeneous environment	3/27/19-3/29-19	Georgetown University
131	Pei-yong Wang	PDE	One-Phase Bifurcation of a Free Boundary Problem Associated with p-Laplacian	4/3/19-4/4/19	Wayne State University
132	Robert Jerrard	PDE	Concentrated vorticity in the Gross-Pitaevskii equations	4/10/19-4/12/19	University of Toronto
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134	Marcel Bischoff	Quantitative Algebra/Quantative Topology	Automorphisms of Lagrangian algebras	8/28/2018	Ohio University
135	Josh Edge	Quantitative Algebra/Quantative Topology	Classification of spin models on Yang-Baxter planar algebras	9/11/18-9/12/18	Indiana University Bloomington
136	Theo Johnson-Freyd	Quantitative Algebra/Quantative Topology	Holomorphic SCFTs of small index	11/26/18-11/28/18	Perimeter Institute
137	Dror Bar-Natan	Quantitative Algebra/Quantative Topology	Computation without Representation	1/28/19-1/30/19	University of Toronto
138	Yilong Wang	Quantitative Algebra/Quantative Topology	Classification of spherical fusion categories of Frobenius-Schur exponent 2	2/4/19-2/6/19	Louisiana State University
139	Jacob Bridgeman	Quantitative Algebra/Quantative Topology	Anomalies and entanglement renormalization	2/25/19-2/27/19	Perimeter Institute
140	Alissas Crans	Quantitative Algebra/Quantative Topology	Knots and Links with Finite n-Quandles	4/2/19-4/3/19	Loyola Marymount University
141					
142	Zhengan Wang	Quantum Information Science	Is the quantum model of computing unique	9/14/2018	Univ of California Santa Barbara
143	Eric Rowell	Quantum Information Science	Mathematical problems in topological quantum computation	4/4/19-4/6/19	Texas A & M
144					
145	Xiaomeng Xu	Representation Theory	Stokes phenomenon, Gelfand Zeitlin systems and Frobenius manifolds	10/23/18-10/25/18	MIT
146	Petr Pushkar	Representation Theory	Quantum K-theory of the Grassmannian and the Baxter Operator	11/6/18-11/8/18	Perimeter Institute of Theoretical Physics
147	Alex Weeks	Representation Theory	Yangians and KLR algebras	11/13/18-11/18/18	Perimeter Institute of Theoretical Physics
148	You Qi	Representation Theory	On a tensor product categorification at prime roots of unity	12/4/18-12/6/18	Caltech
149	Andrey Smirnov	Representation Theory	3D mirror symmetry and elliptic stable envelops	2/12/19-2/14/19	University of California Berkeley
150	Pramod Achar	Representation Theory	Nilpotent orbits and tilting modules for the general linear group	2/19/19-2/21/19	Louisiana State University
151	Michael McBreen	Representation Theory	Homological mirror symmetry for hypertoric varieties	3/7/19-3/10/19	University of Toronto

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152	Joachim Schwermer	Representation Theory	On the general linear group over arithmetic orders, related automorphic representations and corresponding cohomology groups	4/14/19-4/20/19	University of Vienna
153					
154	Sultan Eylem Toksoy	Ring Theory	Modules with minimal copure-injectivity domain	8/31/18-9/1/18	Hacettepe University
155	Rebin Muhammad	Ring Theory	Projective and Simple Bases of infinite dimensional Algebras	9/21/2018	Ohio University
156	Steve Szabo	Ring Theory	A refined taxonomy of 2-primal rings with minimal examples	10/5/18-10/6/18	Eastern Kentucky University
157	Ben Stanley	Ring Theory	Gauging the amenability of bases of countable dimensional algebras	10/19/2018	Ohio University
158	Isaac Owusu-Mensah	Ring Theory	Algebraic structures on the set of all Binary Operations over a fixed set	11/9/2018	Ohio University
159	Majed Zailaee	Ring Theory	Two-option magmas: Binary Operations on The Natural Numbers Spanned By Their Addition and Multiplication	11/30/2018	Ohio University
160	Byung Gyun Kang	Ring Theory	Krull dimension of power series rings	1/23/19-2/2/19	Pohang University of Science and Technology
161	Maricio Medina	Ring Theory	Boyle's conjecture and perfect localizations	4/5/19-4/7/19	
162	Jeremy Edison	Ring Theory	Commutative Algebras Having a Basis of Units	4/19/2019	University of Iowa
163	Henry Chimal-Dzul	Ring Theory	Minimal Reflexive Nonsemicommutative rings	5/3/2019	
164	Sudesh Khanduja	Ring Theory	A walk through integrally closed domains and their applications in Number Theory	6?16?19-6?18?19	IISER Mohali
165					
166	Carmen Rovi	Topology	The Reinterpretation of Davis-Lueck Equivariant Homology in Terms of L-theory	9/26/18-9/28/18	Indiana University Bloomington
167	James Farrre	Topology	Infinite volume and bounded cohomology	10/15/18-10/18/18	Yale University
168	Nick Miller	Topology	Finiteness of geodesic hypersurfaces in hyperbolic hybrids	11/7/18-11/10/18	Indiana University Bloomington
169	Ryan Spitler	Topology	Profinite Completions and Representations of Groups	11/15/18-11/16/18	Purdue University
170	Marissa Loving	Topology	Spectral Rigidity of q-differential Metrics	2/6/19-2/8/19	University of Illinois Urbana-Champaign
171	Alexander Engel	Topology	Injectivity of cross products on the Higson-Roe sequence	2/11/19-2/22/19	University of Regensburg
172	Thomas Barthelme	Topology	Partially hyperbolic diffeomorphisms homotopic to the identity	4/8/19-4/11/19	Queen's University

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174	Gugan Thoppe	Topology-Geometry-Data	Betti Numbers of Gaussian Excursions in the Sparse Regime	9/10/18-9/13/18	Duke University
175	Justin Solomon	Topology-Geometry-Data	Optimal Transport on Surfaces, Graphs, and Point Clouds	10/6/18-10/9/18	MIT
176	Amit Patel	Topology-Geometry-Data	Lecture I: Persistence Beyond Vector Spaces; Lecture II: Persistent Local System	2/3/19-2/8/19	Colorado State University
177	Pablo Camara	Topology-Geometry-Data	Spectral Simplicial Theory for Feature Selection and Applications to Genomics	2/26/19-2/27/19	University of Pennsylvania
178	Kathryn Hess Bellwald	Topology-Geometry-Data	High-throughput topological screening of nanoporous materials	3/19/19-3/22/19	EPFL
179	Miranda Holmes-Cerfon	Topology-Geometry-Data	Are colloids geometrically frustrated?	3/25/19-3/27/19	New York University Courant Institute
180	Han Baek Yu	Topology-Geometry-Data	Stable network observables via dynamic embedding of motifs	4/8/19-4/11/19	UCLA
181					
182	Short Term Visitors				
183	Giulio Peruginelli	Short Term Visitor		7/15/18 - 7/21/18	University of Padova
184	Dario Spirito	Short Term Visitor		10/13/18 - 10/19/18	Universita degli Studi "Roma Tre"
185	Sebastian Donoso	Short Term Visitor		11/30/18 - 12/17/18	Universidad de O'Higgins
186	Jia Gou	Short Term Visitor		12/13/18 - 12/30/18	University of Minnesota
187	Emeric Bouin	Short Term Visitor		1/30/19 - 2/7/19	Universite Paris-Dauphine
188	Alexander Engel	Short Term Visitor		2/11/19 - 2/22/19	University of Regensburg
189	Pabalo Pelaez	Short Term Visitor		3/12/19 - 3/19/19	UNAM
190	Joachim Schwermer	Short Term Visitor		4/14/19 - 4/20/19	University of Vienna
191	Mark Hagen	Short Term Visitor		4/14/19 - 4/20/19	University of Bristol
192	Lubos Pick	Short Term Visitor		4/27/19 - 5/5/19	Charles University
193	Demetrios Papageorgiou	Short Term Visitor		6/4/19 - 6/12/19	Imperial College
194	Inger Johanne Haland Knutson	Short Term Visitor		6/19/19 - 7/3/19	University of Agder
195					
196	Long Term Visitors				
197	None	Long Term Visitor			
198					
199	Distinguished Visitors				
200	Ruth Charney	Rado Lecturer		10/23/18-10/25/18	University of Chicago
201	Pavel Etingof	Zassenhaus Lecturer		3/25/19-3/27/19	University of Michigan