OUTSIDE SPEAKERS SUPPORTED BY MRI

ACADEMIC YEAR 2008-09

Name	Seminar	Talk Title	Date of Visits	Home Institution
	ALGEBRAIC GEOMETRY			
Laurentiu Maxim	algebraic geometry	Equivariant genera of complex algebraic varieties	9/30/08	CUNY Lehman
Benjamin Howard	algebraic geometry	A study of the coordinate ring of eight ordered points on the line	10/7/08	Univ. of Michigan
Mathew Simson	algebraic geometry	Birational geometry of the moduli space of stable weighted genus zero curves	10/21/08	Univ. of Michigan
Radu Lazla	algebraic geometry	Triangulations of the sphere and degenerations of K3 surfaces	10/28/08	Univ. of Michigan
Stein Arild Stromme	algebraic geometry	Linear graphs and the n! ring	11/11/08	Univ. of Bregen
Anatoly Libgober	algebraic geometry	Multivariable invariants of plane curve singularities	11/25/08	Univ.of Ill. At Chicago
Valerie Hower	algebraic geometry	Z/2Z Hodge spaces of toric varieties	1/6/09	Georgia Tech. Univ.
Matthiash Schultze	algebraic geometry	Logarithmic cohomology and free divisors	2/10/09	Oklahoma State Univ.
Trstram Bogard	algebraic geometry	A tropical approach to rational curves on hypersurfaces in projective space	2/17/09	Queens's Univ. (Canada)
Jonathan Wise	algebraic geometry	Orbifolds and relative Gromov-Witten invariants	3/3/09	Stanford Univ
Eric Katz	algebraic geometry	Counting tropical curves in abelian surfaces	4/21/09	Univ. of Texas
Damiano Fulghesu	algebraic geometry	The 1-skeleton of moduli stacks of curves	4/28/09	Scuola Normale Superiore (Pisa)
	APPLIED MATHEMATICS			
Alexander Kurganov	Applied mathematics	fast explicit operator Splitting method for convection-dominated problems	10/2/08	Tulane Univ.
Alexander Turbinner	Applied mathematics	About the ground state of quartic oscillator.	11/20/08	CRM & Nuclear Science Inst, Mexico
Tai-Chia Lin	PDE /Applied math.	Orbital stability of bound states of nonlinear Schrodinger equations …..	12/3/08	Taiwan University
David Ross	Applied mathematics	Nonlinear PDE for inferring Gibba Free Energies from light scattering data	12/4/08	Rochester Inst. Of Technology
Tong Li	PDE /Applied math.	Stability of traveling waves in quasilinear hyperbolic systems …	10/15/09	Univ. of Iowa
	ARITHMETIC GEOMETRY			
Mikhail Borovoi	Arithmetic Geometry	Extended Picard complexes and linear algebraic groups	10/10/08	Univ. of Tel Aviv
Maria Sabitova	Arithmetic Geometry	Artin root numbers of abelian varieties	2/16/09	Univ. of Illinois at Urbana-Champaign
Gordan Savin	Arithmetic Geometry	Functoriality and Galois groups	4/13/09	Univ. of Utah

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31	Gordan Savin	Arithmetic Geometry	Reducing the minimal representation modulo I; an exercise.	4/14/09	Univ. of Utah	
32	Michael Larsen	Arithmetic Geometry	The Inverse Galois Problem via Automorphic Forms	5/28/09	Indiana Univ, Bloomington	
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34		**COMBINATORICS**				
35	Klavdija Kudnar	Combinatorics	Hamilton paths and cycles in vertex-transitive graphs	10/15/08	Univ of Primorska(Slovenia)	
36	Alexander Malnik	Combinatorics	Semiregular groups and blocks of imprimitivity in transitive groups	11/19/08	Univ. of Ljubliana (Slovenia)	
37	Masanori Takatou	Combinatorics	Covers of 4-uniform intersecting families with covering number 3	3/4/09	Tokio Univ. of Science	
38	Keiko Kotani	Combinatorics	On fractional k-deleted graphs	3/11/09	Tokio Univ. of Science	
39	Etsuko Bannai	Combinatorics	Euclidean designs and coherent configurations	4/22/09	Kyushu Univ. (Japan)	
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41		**DIFFERENTIAL GEOMETRY**				
42	Guofang Wang	PDE/ Diff. Geom.	Sigma_k scalar curvature and its applications	10/1/08	University of Magdeburg, Germany	
43	Mao-Pei Tsui	Diff. Geom.	Mean Curvature Flows and Homotopy of Maps Between Spheres	10/21/08	University of Toledo	
44	Lan-Hsuan Huang	Diff. Geom.	Constant Mean Curvature Foliation for Isolated Systems with General Asymptotics	11/4/09	Stanford University	
45	Daniel Burns	Diff. Geom.	Complexifications of real manifolds	11/18/08	Univ. of Michigan	
46	Anmin Li	PDE/Diff. Geom.	The Bernstein Properties of Some 4-th Order	11/25/08	Sichuan University, China	
47	Zeno Huang	Diff. Geom.	Riemannian geometry of the moduli space of curves: curvatures and geodesics	2/17/09	CUNY - Staten Island	
48	Shihshu Walter Wei	Diff. Geom.	p-Harmonic geometry in a real and complex world	3/31/09	University of Oklahoma	
49	Craig J. Sutton	Diff. Geom.	Sunada's Method and the covering spectrum	4/28/09	Dartmouth College	
50	Zuoqin Wang	Diff. Geom.	Hearing the weights of weighted projective spaces	5/19/09	Johns Hopkins University	
51	Dan Knopf	PDE/ Diff. Geom.	Minimally invasive surgery for Ricci flow singularities	5/27/09	University of Texas Austin	
52	Ziyu Zhang	Diff. Geom.	Singularities of moduli spaces of sheaves on K3 surfaces	6/2/09	Stanford University	
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54		**ERGODIC THEORY/ PROBABILITY**				
55	Paulina Grzegorek	Ergodic Theory/ Probability	Epsilon independence between two processes	10/07/08	Univ .of Wroclaw	
56	Mathias Beiglbock	Ergodic Theory/ Probability	The sumset phenomenon in ameanable groups	11/20/08	Univ. of Vienna	
57	Mariusz Lemanczyk	Ergodic Theory/ Probability	On non mixing transformations	1/15/09	Univ. of Torun	
58	Yitwah Cheung	Ergodic Theory/ Probability	Divergent trajectories in the space of lattices	2/26/09	San Francisco State Univ.	
59	Michael Bjorklund	Ergodic Theory/ Probability	Generalized First Passage Percolation	3/12/09	KTH?	
60	Uri Shapira	Ergodic Theory/ probability	A solution to a Problem of Cassels and Diophantine properties of cubic numbers	3/12/09	Hebrew Univ. Jerusalem	

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61	Michael Hochman	Ergodic Theory/ Probability	Local entropy and projections of dynamically defined fractals	4/2/09	Princeton Univ.	
62	Nikos Frantzikinakis	Ergodic Theory/ Probability	Multiple recurrence and convergence for hardy Field sequences	4/9/09	Univ. of Memphis	
63	Andrew Dykstra	Ergodic Theory/ Probability	Nearly continuous dynamics	4/23/09	Colorado State Univ.	
64	Jean Paul Thouvenot	Ergodic Theory/ Probability	Joining of K-automorphisms	4/30/09	Univ of Paris	
65	Van Cyr	Ergodic Theory/ Probability	Obstructions to the existence of equilibrium measures for countable shifts	5/7/09	Univ of Paris	
66	Aimee Johnson	Ergodic Theory/ Probability	Directional Recurrence for Non-Singular Actions of Z^d	5/28/09	Swarthmore College	
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68		**GEOMETRIC GROUP THEORY**				
69	Marc Bourdon	geometric group theory	Quasi-conformal geometry and word hyperbolic Coxeter groups	10/21/08	Univ Lille {France)	
70	Boris Okun	geometric group theory	Euler Characteristics and growth series for Coxeter groups	10/16/08	Univ.of Winsconsin	
71	Jenifer Taback	geometric group theory	The geometry of twisted conjugacy classes in Lamplighter groups	3/17/09	Bowdoin College	
72	Stratos Prassidis	geometric group theory	Detecting Linear Groups	3/20/09	Canisius College	
73	Andy Frohmader	geometric group theory	The Charney-Davis conjecture for certain spheres	5/7/09	Cornell Univ.	
74	Kamil Duszenko	geometric group theory	Embedding spaces into asymptotic cones	5/15/09	Univ. of Wroclaw	
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76		**GROUP THEORY**				
77	Klavdija Kutnar	group theory	Hamilton Cycles in (2,4k,3)-Cayley Graphs	10/22/08	University of Primorska and O.S.U.	
78	Sejong Park	group theory	Transfer Theorem for fusion systems	1/8/09	Oberwolfach postdoc	
79	Sergey Shpectorov	group theory	Minimal Fusion Systems	1/22/09	University of Birmingham, England	
80	Andrew Woldar	group theory	On generalizing generalized polygons	2/26/09	Villanova University	
81	David Gluck	group theory	Local Schur indices, blocks, and character values	5/14/09	Wayne State University	
82	Peter Brooksbank	group theory	Low-dimensional classical groups acting on polytopes	5/1/09	Bucknell University	
83	Kari Ragnarsson	group theory	Encoding fusion data in the double Burnside ring	8/3/09	DePaul University	
84						
85		**HAAR**				
86	Jitka Stehnova	HAAR	Theta Correspondences for U(1.1) and U(2)	11/6/08	Oklahoma State	
87	Freydoon Shahidi	HAAR	Some Harmonic analysis inspired by functoriality	12/4/08	Purdue Univ.	
88	Gerard Schifmann	HAAR	Gelfand Pairs (I)	4/23/09	Univ of Strasbourg	
89	Gerard Schifmann	HAAR	Gelfand Pairs (2)	4/30/09	Univ of Strasbourg	
90	Gerard Schifmann	HAAR	Gelfand Pairs (3)	5/7/09	Univ of Strasbourg	

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91	Gerard Schifmann	HAAR	Gelfand Pairs (4)	5/14/09	Univ of Strasbourg	
92	Gerard Schifmann	HAAR	Gelfand Pairs (5)	5/21/09	Univ. of Strasbourg	
93	Markus Slupinski	HAAR	Eisenstein syzygy- symplectic version	5/28/09	Univ. of Strasbourg	
94						
95		**LOGIC**				
96	Isaac Golbring	Logic	Hilbert's Fifth Problem for Local groups	10/30/08	Univ. Of Illinois, Champaign Urbana	
97	Albert Visser	Logic	Double degree structures for Interpretability	11/17/08	Univ. of Utrecht	
98	Jeremy Avigdad	Logic	A formal systhem for Euclidean diagrammatic reasoning	11/20/08	Carnegie- Mellon Univ.	
99	Christian Rosendal	Logic	A simple proof of Gowers' block ramsey theorem	1/29/09	Univ. of Illinois, Chicago	
100						
101		**NUMBER THEORY**				
102	Joseph Hundley	number theory	The Descent Construction for essentially self-dual representations	10/6/08	Southern Illinois Univ.	
103	Dani Szpruch	number theory	On some applications of the langlands -Shahidi method to metaplectic group	10/20/09	Tel-Aviv Univ.	
104	Roman Holowinsky	Number Theory	Shifted sums for GL(2) and symmetric square lifts.	12/11/08	Univ of Toronto	
105	Florent Jouve	Number Theory	The large sieve and random walks on arithmetic groups	2/23/09	University of Texas, Austin	
106	Tomasz Zamojski	Number Theory	Counting Rational Points on Homogeneous Varieties	4/27/09	University of Chicago	
107	Zeev Rudnick	Number Theory	Statistics of the zeros of zeta functions in ensembles of curves over a finite field	4/20/09	Tel Aviv Univ, IAS	
108	Matthew Young	Number Theory	Mean values with degree six Rankin-Selberg L-functions	5/18/09	Texas A&M Univ.	
109	Wei Zhang	Number Theory	An arithmetic fundamental lemma for unitary group of three variable	9/28/09	Harvard Univ	
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111		**PDE**				
112	Tong Li	PDE /Applied math.	Stability of traveling waves in quasilinear hyperbolic systems …	10/15/09	Univ. of Iowa	
113	Guofang Wang	PDE/ Diff. Geom.	Sigma_k scalar curvature and its applications	10/1/08	University of Magdeburg, Germany	
114	Anmin Li	PDE/Diff. Geom.	The Bernstein Properties of Some 4-th Order	11/25/08	Sichuan University, China	
115	Tai-Chia Lin	PDE /Applied math.	Orbital stability of bound states of nonlinear Schrodinger equations …..	12/3/08	Taiwan University	
116	Yanyan Li	PDE	A Liouville Theorem, a Harnack Inequality .. Nonlinear Elliptic Equations	1/9/09	Rutgers Univ.	
117	Weiyong He	PDE	Lagrangian mean curvature flow for entire Lipschitz graphs	2/18/09	UBC	
118	Guiqiang Chen	PDE	On Nonlinear PDEs of Mixed Type in Mechanics and Geometry	2/4/09	Northwestern University	
119	Patricia Bauman	PDE	Existence of Solutions to Boundary Value Problems for Liquid Crystals	4/22/09	Purdue University	
120	Dan Knopf	PDE/ Diff. Geom.	Minimally invasive surgery for Ricci flow singularities	5/27/09	University of Texas Austin	

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121	Changyou Wang	PDE	On two dimensional hydrodynamic equations modeling the liquid crystal ..	5/13/09	University of Kentucky	
122	Bei Hu	PDE	Optimal rate of convergence for the finite difference scheme for obstacle ..	6/9/09	University of Notre Dame	
123	Xiaobing Feng	PDE	Fully Nonlinear Second Order PDEs and Their Numerical Solutions	6/3/09	University of Tennessee	
124						
125		**REAL AND COMPLEX ANALYSIS**				
126	Bo Berndtsson	real and complex analysis	Convexity on the space of Kahler metrics	10/28/08	Chalmers Univ	
127	Dror Varolin	real and complex analysis	Restriction of L2 holomorphic functions to hyperfsurfaces in C^n	1/13/09	SUNI at Stony Brook	
128	Akos Magyar	real and complex analysis	Some geometric properties of dense sets of lattice points	3/31/09	Univ. of British Columbis	
129	Brian Street	real and complex analysis	Multi parameter Carnot-Caratheodory balls	5/12/09	Univ. of Toronto	
130	Michael Bolt	real and complex analysis	Cauchy integrals and Moebius geometry for curves and surfaces	5/19/09	Calvin College	
131	Joanne Dombrowski	real and complex analysis	Jacobi Matrices: Eigenvalues, Spectral Gaps and Absolute Continuity	6/2/09	Wright State Univ.	
132						
133		**RING THEORY**				
134	Sergio Estrada	Ring Theory	Relative homological algebra in categories of representations of Quivers	10/3/08	University of Murcia, Spain	
135	Alexander Diesl	Ring Theory	Strongly Clean Matrix Rings	11/21/08	Bowling Green State University,	
136	André Leroy	Ring Theory	Z-graded quasi duo rings and applications	1/16/09	Université d'Artois, Lens, France.	
137	Gonzalo Aranda	Ring Theory	Leavitt path algebras	1/16/09	Universidad de Malaga, Spain	
138	Gary F. Birkenmeier	Ring Theory	Nilary and primary rings	2/20/09	University of Louisiana at Lafayette	
139	Jae Keol Park	Ring Theory	Extended centroids of algebras	2/20/09	Busan National University, Korea	
140	Fatih Karabcak	Ring Theory	On SIP-extending Modules	3/20/09	Anadolu University, Eskisehir, Turkey	
141	Mikhail Chebotar	Ring Theory	Interactions between Ring Theory and Functional Analysis	5/22/09	Kent State University	
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143		**TOPOLOGY**				
144	Waclaw Marzatowicz	Topology	Estimates of the topological entropy for selfmaps of compact manifolds	12/4/08	Univ. of Poznan	
145	Aron Magid	Topology	The topology of deformation space of hyperbolic 3 manifolds	12/11/08	Univ. of Michigan	
146	Nicolau Saldanha	Topology	Homotopy and cohomology of spaces of convex curves in the sphere	1/22/09	PUC, Rio de Janeiro	
147	Ben McReynolds	Topology	Manifold covers of orbifolds	2/3/09	Univ.of Chicago	
148	Stacy Hoehn	Topology	Parametrized Wall Finiteness and Siebenmann End Obstructions	2/5/09	Notre Dame Univ.	
149	Alexandra Pettet	Topology	Twisting out fully irreducible automorphisms	2/12/09	Univ. of Michigan	
150	Holger Reich	Topology	Lattices in rank one and K-theory	3/19/09	Univ.of Dusseldorf, Germany	

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151	Anne Thomas	Topology	Lattices for Platonic complexes and Fuchsian buildings	6/2/09	Cornell Univ.	
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153			**LONG TERM VISITORS**			
154						
155	Nicolau Saldanha			winter quarter	PUC Rio de janeiro	
156	Gerard Schiffmann			4/15-5/30 2009	Univ. Strassbourg	
157	Markus Slupinski			5/2-6/1 2009	Univ. Strassbourg	
158	Rainer Vogt			8/6-8/31 2008	Univ. Ostnabruck	
159	Mikhail Borovoi			9/24-10/23 2008	Univ. Tel Aviv	
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