| Name | Seminar | Talk Title | Date of Visit | Home Institution |
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| **Outside Speakers Supported by MRI** | | | | |
| **Academic Year 2010 -2011** | | | | |
| Anvar Mavlyutov | Algebraic Geometry | Complete intersection toric ideals with applications to deformations of toric and Calabi-Yau varieties | 9/28/2010 | Oklahoma State |
| Chen-Yu Chi | Algebraic Geometry | Pluricanonical spaces and their canonical distance structures | 10/19/2010 | Harvard University |
| Prabhakar Rao | Algebraic Geometry | Algebraic Geometry Seminar: ACM vector bundles on hypersurfaces | 10/26/2010 | University of Missouri - St. Louis |
| Michael Shapiro | Algebraic Geometry | Algebraic Geometry Seminar: Quivers of finite mutation type | 11/9/2010 | Michigan State University |
| Tony Pantev | Algebraic Geometry | On the derived structure of the moduli of A-branes | 11/16/2010 | University of Pennsylvania |
| Dawei Chen | Algebraic Geometry | Geometry of Teichmueller Curves | 11/23/2010 | University of Illinois - Chicago |
| Chenyang Xu | Algebraic Geometry | Boundedness of algebraic varieties | 11/30/2010 | MIT |
| Joseph Marsano | Algebraic Geometry | Algebraic Geometry Seminar: F-theory GUTs: Particle Physics from Algebraic Geometry | 2/15/2011 | University of Chicago |
| Alex Castro | Algebraic Geometry | Curve Singularities and Semple Towers | 2/22/2011 | University of Toronto |
| Eric Friedlander | Algebraic Geometry | Elementary modular representation theory | 4/14/2011 | University of Southern California |
| Jordan Ellenberg | Algebraic Geometry | Algebraic Geometry Seminar: Stable cohomology of Hurwitz spaces and arithmetic applications | 4/19/2011 | University of Wisconsin-Madison |
| Brian Lehmann | Algebraic Geometry | Algebraic Geometry Seminar: Algebraic bounds on analytic multiplier ideals | 4/26/2011 | University of Michigan |
| Arravind Asok | Algebraic Geometry | Rational points vs zero cycles of degree one in stable A^1-homotopy. | 5/10/2011 | USC |
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| Louis Dupaigne | Analysis and Operator Theory | Large solutions at large | 1/18/2011 | University of Picardie |
| Peter Perry | Analysis and Operator Theory | Inverse Scattering for the Davey-Stewartson II Equations | 1/25/2011 | University of Kentucky |
| Manolo Maestre | Analysis and Operator Theory | Bohr radii on several complex variables, its relationship with Dirichlet series | 2/15/2011 | Univ. of Valencia Spain and Kent State Univ |
| Fritz Gesztesy | Analysis and Operator Theory | Fredholm indices, the spectral shift function, and relative trace class perturbations | 3/1/2011 | University of Missouri |
| Alexander Its | Analysis and Operator Theory | Quasi-linear Stokes Phenomenon for tronquée Painlevé Transcendents. The Riemann-Hilbert approach | 3/1/2011 | Indiana University-Purdue University Indianapolis |
| Philip Ehrlich | Analysis and Operator Theory | The absolute arithmetic continuum and the unification of all numbers great and small | 5/3/2011 | Ohio University |
| Elena Berdysheva | Analysis and Operator Theory | Turan's problem for $\ell$1-radial, positive definite functions | 9/3/2011 | University of Hohenheim |

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| Marco Mazzotti | Applied Math | Singular solutions of the hyperbolic equations describing binary chromatography | 10/7/2010 | Dept. of Mechanical & Process Engineering, ETH |
| Keng Deng | Applied Math | On A Nonautonomous Juvenile-Adult Model | 11/11/2010 | University of Louisiana - Lafayette |
| Sergey Belov | Applied Math | Riemann-Hilbert approach to the semiclassical Nonlinear Schr\"odinger equation | 11/18/2010 | Rice University |
| Michael Siegel | Applied Math | A hybrid numerical method for fluid interfaces with soluble surfactant | 1/13/2011 | NJIT |
| Chi-Wang Shu | Applied Math | Inverse Lax-Wendroff Procedure for Numerical Boundary Conditions of Hyperbolic Equations | 1/20/2011 | Brown University |
| Chi-Wen Shih | Applied Math | Synchronous Oscillations for Coupled Cells | 3/31/2011 | National Chiao Tung University, Taiwan |
| Bjorn Sandstede | Applied Math | Travelling waves in lattice systems | 2/24/2011 | Brown University |
| Antonio Moro | Applied Math | Dispersive shock waves and Painleve' Trascendents: the Universality Conjecture | 4/28/2011 | SISSA, Italy |
| Susan Friedlander | Applied Math | Advection-Diffusion Equations and Magnetogeostrophic Turbulence | 4/14/2011 | University of Southern California |
| Daniel Abrams | Applied Math | Competition in social systems: three and a half models | 4/28/2011 | Northwestern University |
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| Chuangxun Cheng | Arithmetic Geometry | Multiplicities of Galois representations in cohomology groups of Shimura curves | 4/28/2011 | Northwestern University |
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| Pawel Pralat | Combinatorics | Chasing Robbers on Randon Graphs: Zigzag Theorem | 10/21/2010 | West Virginia University |
| Jared Negussie | Combinatorics | Can we find an exact finite structure for graph minor ideals? | 3/4/2011 | East Tennessee State University |
| Lauren Williams | Combinatorics | KP Solitons, total positivity, and cluster algebras | 3/22/2011 | Berkeley |
| Diego Scheide | Combinatorics | Minimum degree conditions forcing clique immersions | 4/28/2011 | Simon Fraser University |
| Xiangqian Zhou | Combinatorics | Fat signed graphs and their matroids. | 4/22/2011 | Wright State University |
| Navin Singhi | Combinatorics | Studying designs via multisets | 5/13/2011 | Tata Institute of Fundamental Research |
| Tom Zaslavsky | Combinatorics | Projective Representation of Non-Representable Matroids (of Biased Graphs) | 5/27/2011 | Binghamton University of SUNY |
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| Chen-Yu Chi | Differential Geometry | On the extension of mutiply twisted pluricanonical forms | 10/19/2010 | Harvard University |
| Naichung Conan Leung | Differential Geometry | Geometry of special holonomy | 11/12/2010 | University of Wisconsin - Madison & CUHK |
| Siu-Cheong Lau | Differential Geometry | SYZ mirror symmetry for local Calabi-Yau manifolds | 11/12/2010 | University of Wisconsin - Madison & CUHK |

| John Loftin | Differential Geometry | Noncompact affine normal flow | 11/16/2010 | Rutgers University |
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| Ovidiu Munteanu | Differential Geometry | Complete manifolds with positive spectrum | 11/30/2010 | Columbia University |
| Jian Song | Differential Geometry | Kahler-Ricci flow through singularities | 3/8/2011 | Rutgers University |
| Jianguo Cao | Differential Geometry | Bounded holomorphic functions on Kaehler manifolds with negative curvature | 4/5/2011 | University of Notre Dame |
| Xiaodong Wang | Differential Geometry | Volume entropy and Ricci curvature | 4/12/2011 | Michigan State University |
| Yanir Rubinstein | Differential Geometry | Ricci flow and the completion of the space of Kahler metrics | 5/19/2011 | Stanford University |
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| Joseph Rosenblatt | Ergodic Theory/Probability | Multiparameter differentiation and ergodic averages | 9/30/2010 | University of Illinois at Urbana-Champaign |
| Amir Mohammadi | Ergodic Theory/Probability | Inhomogeneous quadratic forms | 12/2/2010 | University of Chicago |
| Joseph Rosenblatt | Ergodic Theory/Probability | Growth of Maximal Functions | 2/10/2011 | University of Illinois at Urbana-Champaign |
| Qing Chu | Ergodic Theory/Probability | Multiple recurrence for two commuting transformations | 3/3/2011 | Universite Paris-Est |
| David Fisher | Ergodic Theory/Probability | Rigidity of higher rank abelian group actions | 3/3/2011 | Indiana University-Bloomington |
| Omri Sarig | Ergodic Theory/Probability | Markov partitions for surface diffeomorphisms | 4/21/2011 | Pennsylvania State University and The Weizmann Institute of Science |
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| Fanny Kassel | Geometric Group Theory | Compact quotients of rank-one groups | 10/21/2010 | University of Chicago |
| Alexander Borisov | Geometric Group Theory | Dynamical properties of polynomial automorphisms over finite and local fields and residual properties of mapping tori of free gr | 11/4/2010 | University of Pittsburgh |
| Daniel Farley | Geometric Group Theory | Finiteness properties of generalized Thompson groups | 11/11/2010 | University of Miami |
| Jack Calcut | Geometric Group Theory | The Torelli group, Donaldson's Theorem, and the Casson invariant in Artin Presentation Theory | 11/18/2010 | Oberlin College |
| Spencer Dowdall | Geometric Group Theory | Dilatation vs self-intersection number for point-pushing pseudo-Anosovs | 12/2/2010 | University of Chicago |
| Lucas Sabalka | Geometric Group Theory | On the Geometry of a Proposed Curve Complex Analogue for Out(F_n) | 1/20/2011 | Binghamton University-SUNY |
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| John Harer | Geometry Topology & Data | Topology, Geometry and Statistics: Merging Methods for Data Analysis | 4/7/2011 | Duke University |
| Livui Nicolaescu | Geometry Topology & Data | Critical sets of random smooth functions on compact manifolds | 5/24/2011 | University of Notre Dame |
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| Shigeo Koshitani | Group Theory | Blocks of small defect in finite groups | 10/25/2010 | Chiba University - Japan |
| Inna Capdeboscq | Group Theory | Lattices in Kac-Moody groups of rank 2 | 1/18/2011 | IAS and University of Warwick |

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| Stephen Smith | Group Theory | Some conditions for decompositions of group cohomology | 3/29/2011 | University of Illinois at Chicago |
| Hungn Ngoc Hguyen | Group Theory | Multiplicities of conjugacy class sizes of finite groups | 4/21/2011 | University of Akron |
| Jonathan Hall | Group Theory | Abstract triality for groups | 5/12/2011 | Michigan State University |
| Andrew Chermak | Group Theory | Critical sets of random smooth functions on compact manifolds | 5/24/2011 | Kansas State University |
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| C. Robin Graham | HAAR | Ambient metrics and exceptional holonomy | 3/7/2011 | Universityof Washington |
| Gestur Olafsson | HAAR | Limits of spherical representations are sometimes spherical | 5/13/2011 | Louisiana State University |
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| Robert Lubarsky | Logic | Feedback ITTMs and \Sigma^0_3 Determinacy | 10/21/2010 | Florida Atlantic University |
| Vladimir Ouspenskiy | Logic | Analytic sets and the diagonal method | 11/4/2010 | Ohio University |
| Paul Larson | Logic | Universally measurable sets | 11/18/2010 | Miami University |
| Lynn Scow | Logic | Characterization of NIP theories by generalized indiscernible sequences | 4/14/2011 | University of Illinois at Chicago |
| Joseph Miller | Logic | Spectra of structures and theories | 4/28/2011 | University of Wisconsin-Madison |
| Marcin Sabok | Logic | Idealized forcing and its applications | 4/29/2011 | Urbana, visiting |
| Alfred Dolich | Logic | Ordered groups where every infinite definable set has interior | 5/26/2011 | East Stroudsberg |
| Joseph Flenner | Logic | Definability in henselian valued fields | 5/12/2011 | Notre Dame |
| Philipp Hieronymi | Logic | A dichotomy for expansions of the real field | 5/19/2011 | Urbana |
| Charles Delzell | Logic | A new, simpler finitary construction of the real closure of a computable ordered field | 6/2/2011 | Louisiana State University |
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| Yangbo Ye | Number Theory | Resonance of automorphic forms for GL(2) and GL(3) | 10/11/2010 | University of Iowa |
| Eddie Herman | Number Theory | Beyond Endoscopy for the Asai L-function and Quadratic Base Change | 11/1/2010 | AIM |
| Paul Nelson | Number Theory | Equidistribution of cusp forms in the level aspect | 11/8/2010 | Caltech |
| Lenny Taelman | Number Theory | The Carlitz sheaf, cyclotomic function fields, and Vandiver's conjecture | 11/16/2010 | Mathematical Institute of the University of Leiden |
| Xiaoqing Li | Number Theory | The L^2 restriction of a GL(3) Maass form to GL(2) | 11/15/2010 | SUNY - Buffalo |
| Aaron Levin | Number Theory | Runge's effective method for integral points | 11/22/2010 | Michigan State |
| Solomon Friedberg | Number Theory | Eisenstein series, crystals and ice | 5/9/2011 | Boston College |
| Ling Long | Number Theory | Recent developments on modular forms for noncongruence subgroups | 5/2/2011 | Iowa State |
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| Steve Schecter | PDE | Stability of traveling waves for a class of reaction-diffusion systems that arise in chemical reaction models | 11/10/2010 | North Carolina State University |

| Konstantina Trivisa | PDE | Hyperbolic Balance Laws: Sharp decay rates and consequences | 12/1/2010 | University of Maryland |
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| Tanya Savin | PDE | Applications of the Schwarz function to reflections and the Laplacian growth | 11/24/2010 | Ohio University |
| Qing Han | PDE | Smooth solutions of degenerate Monge-Ampere equations | 1/12/2011 | Notre Dame |
| Chao-Nien Chen | PDE | Turing patterns and standing waves of FitzHugh-Nagumo type systems | 1/26/2011 | National Changhua University of Education |
| Aaron Yip | PDE | Renormalized Ginzburg-Landu Energy and Location of Near Boundary Vortices | 2/23/2011 | Purdue University |
| Huiqiang Jiang | PDE | Energy minimizers of Dewetting Thin films | 4/6/2011 | University of Pittsburgh |
| Yisong Yang | PDE | Vortices in Non-Abelian Gauge Field Theory | 5/25/2011 | Polytechnic Institute of NYU |
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| Xiadong Cao | PDE | Harnack Inequalities, Heat Kernel Estimates and the Ricci flow | 5/11/2011 | Cornell Unversity |
| Fang Li | PDE | Global Existence and Finite Time Blow-up of Shadow Systems | 4/20/2011 | Purdue University |
| Eun Heui Kim | PDE | Two-dimensional Self-Similar Transonic Riemann Problems | 5/19/2011 | California State University, Long Beach |
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| Jintai Ding | Quantum Topology & Quantum Computations | Post-quantum cryptography -- multivariate public key cryptography: seminar on quantum computing/quantum topology | 11/2/2010 | University of Cincinnati |
| Eric Rowell | Quantum Topology & Quantum Computations | Locality and Topological Quantum Computation | 1/10/2011 | Texas A & M |
| Louis Kaufmann | Quantum Topology & Quantum Computations | Topological Quantum Information and Khovanov Homology | 1/18/2011 | University of Illinois at Chicago |
| Andreas Klappenecker | Quantum Topology & Quantum Computations | Subsystem Codes : seminar on quantum cryptography | 3/29/2011 | Texas A & M University |
| Pradeep Sarvepalli | Quantum Topology & Quantum Computations | Quantum Codes, symplectic matroids and secret sharing schemes: Seminar on quantum topology and quantum computation | 5/24/2011 | University of British Columbia |
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| | Ring Theory | | | |
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| Rob Kirby | Topology | Wrinkled fibrations for 4-manifolds | 10/19/2010 | University of California, Berkeley |
| Bruce Williams | Topology | Family Hirzebruch Signature Theorem with Converse | 10/26/2010 | University of Notre Dame |
| Igor Kriz | Topology | Homotopy and Reality | 11/16/2010 | University of Michigan |
| Niles Johnson | Topology | Complex Orientations and p-typicality | 2/1/2011 | University of Georgia |
| Frank Connolly | Topology | Involutions on Tori and Topological Rigidity | 3/15/2011 | University of Notre Dame |
| Paul Goerss | Topology | Picard groups in stable homotopy theory | 4/26/2011 | Northwestern University |
| Boris Tsygan | Topology | Algebraic structures on Hochschild and cyclic complexes | 5/10/2011 | Northwestern University |
| John Klein | Topology | Bundle structures and Algebraic K-theory | 5/24/2011 | Wayne State University |

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| Courtney Thatcher | Topology | On free Z/p actions on products of spheres | 6/7/2011 | Penn State - Altoona |
| Zhixu Su | Topology | Rational homotopy types of manifolds | 8/25/2011 | Rose Hulman Institute of Technology |
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| Short and Long Term Visitors | | | | |
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| Shigeo Koshitani | Short Term Visitor | | 10/18-27/2010 | Chiba University - Japan |
| Alexander Gorokhovsky | Short Term Visitor | | 12/10-22/2010 | University of Colorado |
| Chih-Wen Shih | Short Term Visitor | | 3/20-4/1/2011 | National Chiao Tung University, Taiwan |
| Antonio Moro | Short Term Visitor | | 4/25-5/3/2011 | SISSA, Italy |
| Diego Scheide | Short Term Visitor | | 4/3-4/30/2011 | Simon Fraser University |
| Lauren Williams | Short Term Visitor | | 3/20-3/24/2011 | Berkeley |
| Xuming Xie | Short Term Visitor | | 3/13/11-3/17/11 | Morgan State University |
| Louis Dupaigne | Short Term Visitor | | 1/16/11-1/22/11 | University of Picardie, Amiens, France |
| Marcus Slupinski | Short Term Visitor | | 5/25/11-6/22/11 | University Louis Pasteur, Strasbourg, France |
| Andrew Chermak | Short Term Visitor | | 5/22/11-5/26/11 | Kansas State University |
| Plamen Djakov | Short Term Visitor | | 7/15/11-8/27/11 | Sabancu University |
| Mariusz Lemanczyk | Short Term Visitor | | 7/21/11-8/1/11 | Nicolaus Copernicus University in Torun |
| Jacob Lurie | Short Term Visitor | | 7/14/2011 | Harvard |
| Yangjin Kim | Short Term Visitor | | 7/6/11-8/15/11 | University of Michigan |
| Zhixu Su | Short Term Visitor | | 8/23/11-8/26/11 | Rose Hulman Institute of Technology |
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| Charles Fefferman | Rado Lecturer | | 3/7/-3/11/2011 | Princeton University |
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| Tony Pantev | Distinguished Visitor | | 4/4/-4/15/2011 | University of Pennsylvania |
| Wei-Ming Ni | Distinguished Visitor | | 4/10-5/7/2011 | University of Minnesota |
| Qing Nie | Distinguished Visitor | | 4/16-5/15/2011 | University of California-Irvine |
| Joel Spruck | Distinguished Visitor | | 5/15-5/29/2011 | Johns Hopkins University |