Number Theory

Cogdell, James   PhD: Yale University (1981)
COLUMBUS   cogdell.1@osu.edu   614-292-8678

Research: *Number Theory - Analytic Number theory, L-functions - Converese Theorems.*

Flicker, Yuval   PhD: University of Cambridge (1978)
COLUMBUS   flicker.1@osu.edu   614-292-5282

Research: *Number Theory - Automorphic Forms - Orbital Integrals, Trace Formulas - Arithmetic Groups*

Hiary, Ghaith   PhD: University of Minnesota (2008)
COLUMBUS   hiary.1@osu.edu   614-292-4013

Research: *Computational number theory, analytic number theory, random matrix models for L-functions, asymptotic analysis & interests in probability and numerical analysis.*

Holowinsky, Roman   PhD: Rutgers University (2006)
COLUMBUS   holowinsky.1@osu.edu   614-292-3941

Research: *Number Theory: Analytic Methods - Automorphic forms, L-functions - Sieve Methods - Quantum Unique Ergodicity*

Luo, Wenzhi   PhD: Rutgers University (1993)
COLUMBUS   luo.43@osu.edu   614-292-5751

Research: *Number Theory - Analytic and Arithmetic Theory of Automorphic Forms and Automorphic L-Functions*

Manderscheid, David   PhD: Yale University (1981)
ARTS & SCIENCES   manderscheid.1@osu.edu   614-292-3236

Research: *Number Theory - Automorphic Forms, Supercuspidal Representations , Theta-correspondences.*

Sinnott, Warren   PhD: Stanford University (1974)
COLUMBUS   sinnott.1@osu.edu   614-292-2298

Research: *Algebraic Number Theory - Iwasawa Theory - Cyclotomic Fields - p-adic L-functions*

Friesen, Christian   PhD: Brown University (1989)
MARION   friesen.4@osu.edu   614-292-9133

Research: *Algebraic & Computational Number Theory: continued fractions - class groups in quadratic function fields.*

Algebra

Herzog, Ivo   PhD: University of Notre Dame (1989)
LIMA   herzog.23@osu.edu   419-995-8293

Research: *Ring Theory – Module and Representation Theory – Category Theory*

Rizvi, Syed Tariq   PhD: McMaster University (1981)
LIMA   rizvi.1@osu.edu   419-995-8211

Research: *Theory of Rings and Modules – Injective/Projective Modules – Baer Modules and Rings – Rickart Modules – Ring and Module Hulls and their applications.*

Roman, Cosmin   PhD: The Ohio State University (2004)
LIMA   roman.37@osu.edu   419-995-8644

Research: *Ring Theory – Module Theory – Injectivity-Like Properties – Relations Between Modules and Their Endomorphisms Ring – Theory of Rings and Modules*

Yousif, Mohamed   PhD: University of Calgary (1986)
LIMA   yousif.1@osu.edu   419-995-8368

Research: *Rings and Modules – Injective and Continuous Rings and Modules – Pseudo and Quasi-Frobenius Rings*

Loper, Kenneth   PhD: University of Wisconsin (1985)
NEWARK   loper.4@osu.edu   740-366-3321

Research: *Commutative Rings – Nagata & Kronecker Function Rings – Prüfer-like and almost Dedekind domains*

Algebraic Geometry

Anderson, David   PhD: University of Michigan (2009)
COLUMBUS   anderson.2804@osu.edu   614-292-5754

Research: *Algebraic geometry, combinatorics, and representation theory – Schubert varieties and toric varieties – Equivariant cohomology and its applications*

Ban, Chunsheng   PhD: Purdue University (1990)
COLUMBUS   ban.1@osu.edu   614-292-5331

Research: *Algebraic Geometry - Singularity Theory -Mathematical Finance.*

Castravet, Ana-Maria   PhD: MIT (2002)
COLUMBUS   castravet.1@osu.edu   614-292-0365

Research: *Algebraic Geometry - Birational Geometry, Moduli Spaces, Rational Curves - Related Arithmetic Aspects, Mori Spaces*

Clemens, Herb   PhD: University of California at Berkeley (1966)
COLUMBUS   clemens.43@osu.edu   614-292-2789

Research: *Algebraic Geometry - Geometry and deformation theory of complex projective varieties, Hodge theory, Algebraic Cycles*

Joshua, Roy   PhD: Northwestern University (1983)
COLUMBUS   joshua.1@osu.edu   614-292-4014

Research: *Algebraic and Arithmetic Geometry - K-Theory - Singular Varieties - Computational aspects of geometry, Quantum computation*

Macri, Emanuele — PhD: SISSA (2006)
COLUMBUS   macri.6@osu.edu   614-292-4901
Research: *Algebraic Geometry & Homological Algebra – Derived categories of coherent sheaves on algebraic varieties*

Tseng, Hsian-Hua — PhD: University of California at Berkeley (2005)
COLUMBUS   tseng.109@osu.edu   614-292-5581
Research: *Algebraic Geometry - Symplectic Topology & Geometry – Mirror Symmetry – Gromov-Witten Theory*

Caibar, Mirel — PhD: University of Warwick (1999)
MANSFIELD   caibar.1@osu.edu   614-688-3177
Research: *Algebraic Geometry – Singularity Theory – Hodge Theory*

Kennedy, Gary — PhD: Columbia University (1981)
MANSFIELD   kennedy.28@osu.edu   419-755-4291
Research: *Algebraic Geometry - Enumerative geometry - Intersection theory*

McEwan, Lee — PhD: Columbia University (1985)
MANSFIELD   mcewan.1@osu.edu   419-755-4257
Research: *Algebraic Geometry - Topology of Algebraic Singularities*

Topology & Computational Geometry

Broaddus, Nathan — PhD: Columbia University (2003)
COLUMBUS   broaddus.9@osu.edu   614-292-0605
Research: *Geometric Group Theory - Topology - Low-dim Topology*

Burghelea, Dan — PhD: Romanian Academy (1968)
COLUMBUS   burghelea.1@osu.edu   614-292-5259
Research: *Differential Topology - Geometry – Morse Theory – Topological Data Analysis*

Davis, Michael — PhD: Princeton University (1975)
COLUMBUS   davis.12@osu.edu   614-292-4886
Research: *Topology - Geometric Group Theory - Aspherical Manifolds & Spaces - Non-positive Curvature*

Fiedorowicz, Zbigniew — PhD: University of Chicago (1975)
COLUMBUS   fiedorowicz.1@osu.edu   614-292-0724
Research: *Algebraic Topology – Algebraic K-theory – Homotopy theory – Quantum Groups – Category Theory*

Fowler, James — PhD: University of Chicago (2009)
MANSFIELD   fowler.291@osu.edu   614-292-4019
Research: *Topology – Geometric Topology of Manifolds – Geometric Group Theory – Surgery Theory – K-Theory – MOOCs*

Kerler, Thomas — PhD: ETH-Zurich - Theoretical Physics (1992)
COLUMBUS   kerler.2@osu.edu   614-292-5252
Research: *Topology - Algebra - 3-dim Manifolds, Knots, Topological Quantum Field Theories - Reps of Mapping Class Groups*

Lafont, Jean-Francois — PhD: University of Michigan (2002)
COLUMBUS   lafont.1@osu.edu   614-292-5814
Research: *Topology - Differential Geometry - Geometric Group Theory - K-Theory*

Mémoli, Facundo — PhD: University of Minnesota (2005)
COLUMBUS   memoli.2@osu.edu   614-292-5585
Research: *Shape comparison & Matching – Computational Topology – Topological data analysis – Machine learning, clustering.*

Ogle, Crichton — PhD: Brandeis University (1984)
COLUMBUS   ogle.1@osu.edu   614-292-0836
Research: *Topology - K-Theory*

Chmutov, Sergei — PhD: Moscow State University (1985)
MANSFIELD   chmutov.1@osu.edu   419-755-4287
Research: *Algebraic Geometry and Topology – Knot & Graph Theory*

Harper, John — PhD: University of Notre Dame (2008)
NEWARK   harper.903@osu.edu   740-755-7854
Research: *Topology – Homotopy Theory – Modules over Operads – K-Theory & TQ-Homology.*

Johnson, Niles — PhD: University of Chicago (2009)
NEWARK   johnson.5320@osu.edu   740-755-7856
Research: *Topology – Categorical and Computational Aspects of Algebraic Topology – Picard/Brauer theory .*

Rao, Vidhyanath — PhD: Case Western Reserve (1981)
NEWARK   rao.3@osu.edu   740-366-9341
Research: *Topology - Homotopy Theory - K-Theory*

Sidiropoulos, Anastasios — PhD: MIT – Computer Science (2008)
COLUMBUS   sidiropoulos.1@osu.edu   614-292-0248
Research: *Computational Geometry – High-dimensional, and metric geometry – Algorithms and on planar graphs, and surfaces – Computation of Low-dimensional Metric Embeddings.*

Yau, Donald — PhD: Massachusetts Institute of Technology (2002)
NEWARK   yau.22@osu.edu   740-366-9197
Research: *Topology – Algebra – Hom-Lie algebras – Deformations*

Differential Geometry

Derdzinski, Andrzej   PhD: Uniwersytet Wrocławski (1976)
COLUMBUS   derdzinski.1@osu.edu   614-292-4012
Research: *Differential Geometry - Einstein Manifolds*

Guan, Bo   PhD: University of Massachusetts (1992)
COLUMBUS   guan.19@osu.edu   614-292-6897
Research: *Partial Differential Equations - Geometric Analysis*

Zheng, Fangyang   PhD: Harvard University (1989)
COLUMBUS   zheng.31@osu.edu   614-292-0842
Research: *Differential Geometry - Kaehler and Hermitian geometry - Nonpositively Curved Manifolds, Rigidity, Submanifolds*

Stenzel, Matthew   PhD: Massachusetts Institute of Technology (1990)
NEWARK   stenzel.3@osu.edu   740-366-3321
Research: *Differential Geometry - Several Complex Variables*

Combination, Probability & Graph Theory

Falkner, Neil   PhD: University of British Columbia (1978)
COLUMBUS   falkner.1@osu.edu   614-292-8025
Research: *Probability Theory – Brownian Motion*

Kahle, Matthew   PhD: University of Washington (2007)
COLUMBUS   kahle.70@osu.edu   614-292-5299
Research: *Combinatorics – Probability Theory – Geometric Group Theory – Mathematical Physics – Topology*

Nguyen, Hoi   PhD: Rutgers University (2010)
COLUMBUS   nguyen.1261@osu.edu   614-292-2789
Research: *Combinatorics - Probability Theory - Random Matrices - Number Theory*

Sivakoff, David   PhD: University of California, Davis (2010)
COLUMBUS   sivakoff.2@osu.edu   614-292-3886
Research: *Stochastic Processes on Large Finite Graphs – Probability Theory – Applications to Percolation Models, Particle Systems, Epidemiology, Sociology, and Genetics.*

Maharry, John   PhD: The Ohio State University (1996)
MARION   maharry.1@osu.edu   740-725-6166
Research: *Graph Theory - Combinatorics*

Stan, Aurel   PhD: Louisiana State University (1999)
MARION   stan.7@osu.edu
Research: *Stochastic Analysis – Harmonic Analysis – Quantum Probability – Wick Products.*

Real Analysis

Costin, Ovidiu   PhD: Rutgers University (1995)
COLUMBUS   costin.9@osu.edu   614-292-7844
Research: *Analysis - Asymptotics, Borel Summability, Analyzable Functions - Applications to PDE and difference equations, - Time dependent Schrödinger equation, Surreal numbers.*

Mityagin, Boris   PhD: Moscow State University (1963)
COLUMBUS   mityagin.1@osu.edu   614-292-5796
Research: *Functional Analysis - Schroedinger Equations*

Lang, Jan   PhD: Charles University, Prague (1996)
MARION   lang.162@osu.edu   614-688-3177
Research: *Analysis - Differential Equations - Harmonic Analysis - Function Spaces – Integral Inequalities – PDE - Function Theory*

Complex Analysis

Koenig, Kenneth   PhD: Princeton University (2000)
COLUMBUS   koenig.271@osu.edu   614-292-5925
Research: *Several Complex Variables – Szegő & Bergman Projections – ∂-Neumann problem*

McNeal, Jeffery   PhD: Purdue University (1988)
COLUMBUS   mcneal.28@osu.edu   614-292-0661
Research: *Several Complex Variables – Cauchy-Riemann Complexes –L^2 -Cohomology on Complete Manifolds – Bergman Projections – ∂-Neumann problem*

Vivas, Liz Raquel   PhD: University of Michigan (2009)
COLUMBUS   vivas.3@osu.edu   614-292-8888
Research: *Holomorphic Dynamical Systems – Several Complex Variables – Complex Geometry & Affine Algebraic Geometry – Monge-Ampere equations and CR manifolds.*

Partial Differential Equations

Costin, Rodica   PhD: Rutgers University (1997)
COLUMBUS   costin.10@osu.edu   614-292-4493
Research: *Partial Differential Equations - Difference Equations, Orthogonal Polynomials. - Asymptotic Analysis*

Keyfitz, Barbara   PhD: New York University (1970)
COLUMBUS   keyfitz.2@osu.edu   614-292-5583
Research: *Partial Differential Equations - Non-Linear PDE - Hyperbolic Conservation Laws*

Kodama, Yuji — PhD: Clarkson & Nagoya University (1980)

COLUMBUS — kodama.1@osu.edu — 614-292-0692

Research: *Differential Equations, Mathematical Physics - Integrable Systems, Nonlinear PDEs - Lie Algebras, Field Theories - Applications to Physical and Engineering Problems - Topological Questions Related To Differential Equations*

Tanveer, Saleh — PhD: California Institute of Technology (1984)

COLUMBUS — tanveer.1@osu.edu — 614-292-5710

Research: *Applied Mathematics - Asymptotics - Nonlinear Free boundary problems in Fluid Mechanics and Crystal Growth - PDEs in Fluid Mechanics and Mathematical Physics - Singularity and regularity questions in PDEs*

Tian, Fei-Ran — PhD: Courant Institute, New York University (1991)

COLUMBUS — tian.5@osu.edu — 614-292-0852

Research: *Partial Differential Equations - Zero Dispersion & Semi-Classical Limits - Whitham Equations, Modulation of Dispersive Oscillations - Free Boundary Problems*

Tiglay, Feride — PhD: University of Notre Dame (2004)

NEWARK — tiglay.1@osu.edu — 740-755 7832

Research: *Partial Differential Equations – Mathematical Physics – Dynamical Systems – Wave Equations & Fluid Dynamics*

Mathematical Biology & Numerical Analysis

Best, Janet — PhD: Cornell University (2004)

COLUMBUS — best.82@osu.edu — 614-292-5894

Research: *Applied Mathematics - Mathematical Biology - Dynamical Systems – Circadian Rhythms – Probability Theory – Stochastic Processes on Random Graphs*

Chou, Ching-Shan — PhD: Brown University (2006)

COLUMBUS — chou.160@osu.edu — 614-292-9947

Research: *Computational & Mathematical Biology – Systems Biology of Cell Polarity – Numerical Algorithms for Hyperbolic Problems – Conservation Schemes & Laws*

Dawes, Adriana — PhD: University of British Columbia (2006)

COLUMBUS — dawes.33@osu.edu — 614-292-0395

Research: *Mathematical Biology – Mathematical Modeling of Cell Polarization & Chemotaxis – Differential Equations*

Friedman, Avner — PhD: Hebrew University (1956)

COLUMBUS — friedman.158@osu.edu — 614-292-5795

Research: *PDEs - Mathematical Biology – Stochastic differential equations – Control Theory – Free Boundary Problems*

Golubitsky, Martin — PhD: MIT (1970)

COLUMBUS — golubitsky.4@osu.edu — 614-247-4758

Research: *Dynamical Systems - Bifurcation Theory - Networks, Neuroscience – Symmetry in Chaos*

Hamilton, Ian — PhD: Simon Fraser University - Biology (2002)

COLUMBUS — hamilton.598@osu.edu — 614-688-3443

Research: *Behavioral Ecology – Coerced Cooperation – Evolution of Cooperative Behavior – Mathematical Modeling*

Lam, Adrian — PhD: University of Minnesota (2011)

COLUMBUS — lam.184@osu.edu — 614-688-3443

Research: *Partial Differential Equations – Mathematical Biology – Evolutionary Game Theory – Free-boundary Problems.*

Lou, Yuan — PhD: University of Minnesota (1995)

COLUMBUS — lou.8@osu.edu — 614-292-5368

Research: *Partial Differential Equations - Applications in Population Biology - Nonlinear Elliptic and Parabolic Systems*

Overman, Edward — PhD: University of Arizona (1978)

COLUMBUS — overman.2@osu.edu — 614-292-1046

Research: *Applied Mathematics – Numerical Analysis – Scientific Computing – Dynamical Systems & Chaos*

Terman, David — PhD: University of Minnesota (1980)

COLUMBUS — terman.1@osu.edu — 614-292-5285

Research: *Applied Mathematics - Differential Equations – Mathematical Biology – Dynamical Systems – Computational Neuroscience*

Tien, Joseph — PhD: Cornell University (2007)

COLUMBUS — tien.20@osu.edu — 614-292-5251

Research: *Mathematical Biology – Models of Infectious Disease Dynamics – Differential Equations – Parameter Estimation – Neuroscience*

Xue, Chuan — PhD: University of Minnesota (2008)

COLUMBUS — xue.41@osu.edu — 614-292-5710

Research: *Mathematical Biology & Medicine – Multiscale & hybrid modeling – Computation & Analysis – Moving boundary problems – Phase behavior & Stochastic methods in Biology*

Other Applied Mathematics Mathematical Physics

Feinberg, Martin — PhD: Princeton University (1962)
COLUMBUS — feinberg.14@osu.edu — 614-688-4883

Research: Applied Mathematics – Complex Systems in Chemical Engineering – Chemical Reaction Network Theory

Gerlach, Ulrich — PhD: Princeton University (1968)
COLUMBUS — gerlach.1@osu.edu — 614-292-7235

Research: Mathematical Physics – General Relativity – Quantum Theory in Curved Spacetime – Gravitation via Quantum Mechanics – Astrophysics

Abdalkhani, Javad — PhD: Dalhousie University (1983)
LIMA — abdalkhani.1@osu.edu — 419-995-8308

Research: Applied Mathematics - Integral Equations - Numerical Analysis

Huang, Yong (Russ) — PhD: The Ohio State University (1989)
MARION — huang.11@osu.edu — 740-725-6267

Research: Differential Equations – Optimal Control

Pandey, Bishun — PhD: Banaras Hindu University (1980)
MARION — pandey.1@osu.edu — 614-292-9133

Research: Applied Mathematics

Ergodic Theory

Bergelson, Vitaly — PhD: Hebrew University of Jerusalem (1984)
COLUMBUS — bergelson.1@osu.edu — 614-292-1180

Research: Ergodic Theory – Combinatorics – Ergodic Ramsey Theory – Polynomial Szemeredi Theorems – Number Theory

Leibman, Alexander — PhD: Israel Institute of Technology (1995)
COLUMBUS — leibman.1@osu.edu — 614-292-0663

Research: Ergodic Theory – Dynamics on Nil-Manifolds – Polynomial Szemerédi & van der Waerden Theorems

Shah, Nimish — PhD: Tata Institute (1994)
COLUMBUS — shah.595@osu.edu — 614-292-5088

Research: Ergodic Theory - Ergodic Theory on Homogeneous Spaces of Lie Groups - Applications To Number Theory

Thompson, Dan — PhD: University of Warwick (2009)
COLUMBUS — thompson.2455@osu.edu — 614-292-5256

Research: Ergodic Theory - Dynamical Systems - Symbolic Dynamics – Thermodynamic Formalism - Dimension Theory & Geometry

Representation Theory, Operator Theory, Harmonic Analysis

Casian, Luis — PhD: Massachusetts Institute of Technology (1983)
COLUMBUS — casian.1@osu.edu — 614-292-7173

Research: Representation Theory – Representation Theory of Real Semisimple Lie Groups – Integrable Systems

Moscovici, Henri — PhD: University of Bucharest (1971)
COLUMBUS — moscovici.1@osu.edu — 614-292-0843

Research: Non-commutative Geometry and Applications to Geometry, Topology and Number Theory

Stanton, Robert — PhD: Cornell University (1974)
COLUMBUS — stanton.2@osu.edu — 614-292-0348

Research: Harmonic Analysis on Lie Groups

Logic

Carlson, Timothy — PhD: University of Minnesota (1978)
COLUMBUS — carlson.6@osu.edu — 614-292-4004

Research: Combinatorics – Foundations of Mathematics & Logic – Ramsey Theory – Distributed Systems – Infinitary Combinatorics – Inner Model Theory

Miller, Chris — PhD: University of Illinois at Urbana-Champaign (1994)
COLUMBUS — miller.1987@osu.edu — 614-292-9363

Research: Logic – Model Theory – Applications to Analytic Geometry & Geometric Measure Theory

Last Update 10/11/14