

INFORMATION ABOUT RECENT APPLIED MATH PH.D.'S

Student	Advisor	Thesis Title	Completed	Placement	Period of Study	Previous Degrees Received	Gender	Ethnicity	Citizenship
Wei Guo	B. Lindquist	A Parallelized Point-Shifted Tetrahedral Brid for the Finite Element Method	5/02	Postdoc, Institut Francais du Petrole, Paris	9/95 – 5/02	Master of Science – Michigan Technological University	Male	Asian	China
Somsak Orankitjaroen	B. Plohr	Nonclassical Shock Waves in the WAG Method for Oil Recovery	5/02	Professor in Thailand univ.	9/97 – 5/02	Master of Arts – Indiana University	Male	Asian	Thailand
Cindy Zoldi	J. Glimm	Shock-Accelerated Heavy Gas Cylinder	5/02	Scientist, Los Alamos Nat'l Lab	9/96 – 5/02	Bachelor of Science – University of Maine at Orono	Female	White	USA
Yunhee Choi	H. Ahn	Tree-Structured Regression for a Loglinear Model with Extra-Poisson Variation	5/02	Professor in Korean univ.	9/97 – 5/02	Bachelor of Science – Ewha Woman's University	Female	Asian	Korea
Changkil Lee	J. Mitchell	Constrained Path Problems in Air Traffic Management	5/02	Analyst, small Wall Street trading firm	9/94 – 5/02	Master of Science – Seoul National University	Male	Asian	Korea
Jung-Tsung Chiang	K. Ye	Multiple Outlier Detection in Linear Models Through Data-Splitting	8/02	Postdoc, Mt. Sinai Medical School	9/98 – 8/02	Master of Science – National Taiwan University	Male	Asian	Taiwan
Seung Yeon Cho	B. Lindquist	Predictability of Stochastic Reservoir and Scale-Up	8/02	Research Staff, Atalasoft Inc.	9/97 – 8/02	Master of Science – Seoul National University	Male	Asian	Korea
William Garber	J. Glimm	Parallel Computation of Radiative Heat Transfer in an Axisymmetric Closed Chamber	8/02	Research Staff, Photon Associates	9/95 – 8/02	Bachelor of Arts – University of California at Berkeley	Male	White	USA
Imbunm Kim	B. Lindquist	The Fluid Flow Through a Rock Fracture Using Finite Difference Lattice Boltzmann Method	8/02	Returned to Korea, taking time off to raise a family	9/96 – 8/02	Bachelor of Science – Pusan National University	Female	Asian	Korea
Alex Korobka	Y. Deng	Protein-DNA Binding Simulation on Parallel Computers	8/02	Postdoc, Institute for Scientific Computing, Nankai University	9/97 – 8/02	Bachelor of Science – Higher Chemical College, Moscow	Male	White	Ukraine
Brett Sims	B. Plohr	Wave Propagation in Myocardial Tissue	8/02	Asst. Prof., Spelman College Math Dept.	9/98 – 8/02	Master of Science – Clark Atlanta University	Male	Black	USA
Dewon Shon	N. Mendell	A Statistical Genetic Model for a Bivariate Mixed Phenotype	8/02	Asst. Prof., Worcester Poly. Inst. Math Dept.	9/92 – 8/02	Bachelor of Arts – SUNY Stony Brook	Male	Asian	Korea

Hyunk-Yung Shin	B. Lindquist	Developing a Throat Construction Algorithm for Medical Axis Analysis of 3-D Image of Vesticulated Rocks	8/02	Lecturer, Mathematics, KyungWon University	9/96 – 8/02	Master of Science – Long Island University	Female	Asian	Korea
Charles Ju	B. Plohr	Magnetically Driven Rayleigh-Taylor Instability	12/02	Research staff, Singapore manufacturing company	1/96 – 12/02	Master of Science – University of California at Riverside	Male	Asian	Brazil
Andrea Marchese	J. Glimm	Fluid Mixing: Rayleigh-Taylor Mixing Rate and Diesel Fuel Injection Spray	12/02	Asst. Prof., Calif. Maritime College Math Dept.	9/98 – 12/02	Bachelor of Arts – Pace University	Female	White	USA
Zhiliang Xu	X. Li	A Conservative Front Tracking Method with Applications	12/02	Postdoc, Applied Math & Stat, Stony Brook Univ.	9/98 – 12/02	Master of Science – Beijing Univ. of Aerospace and Astronautics	Male	Asian	China
Nenad Jovanovic	J. Mitchell	On Robots Swarm Dispersion, Task Scheduling in Distributed Systems, and Short Period Style Analysis	12/02	Quantitative Analyst, First Spring Corporation	9/97 – 12/02	Bachelor of Science – University of Zagreb	Male	White	Croatia
Yunghye Kang	J. Grove	Estimation of Computational Simulation Errors in Gas Dynamics	5/03	Postdoc, Computer Science, Los Alamos Natinal Lab	9/97 – 5/03	Master of Science – Pusan National University	Female	Asian	Korea
Lorraine Greenwald	J. Reinitz	Performance of Simulating Annealing with Generalized Move Generation	12/03	Asst. Prof., SUNY-Farmingdale Management Dept.	9/93 – 12/03	MBA – NYU Graduate School of Business	Female	White	USA
Cheongeun Oh	K. Ye	Robust Bayesian Variable Selection	12/03	Postdoc, Department of Epidemiology, Yale University	9/99 – 12/03	Master of Science – EWHA Woman’s University	Female	Asian	Korea
Sun Jung Kang	S. Finch	Effects of Errors in Specification of Genotypes of Single Nucleotide Polymorphisms	8/03	Statistician, Pfizer Inc.	9/99 – 8/03	Master of Science – New York University	Female	Asian	Korea
Christina Weaver	B. Lindquist	Effects of Errors in Specification of Genotypes of Single Nucleotide Polymorphism	8/03	NSF Postdoctoral Fellow, Mt. Sinai School of Medicine	9/98 – 8/03	Bachelor of Science – Mount Saint Mary’s College	Female	White	USA
Tien-Ruey Hsiang	J. Mitchell	Geometric Algorithms for Controlling and Analyzing Swarms of Robots and Groups of Aircraft	8/03	Asst. Prof., Computer Science, National Chung Cheng Univ.	9/97 – 8/03	Master of Science – National Tsing Hua University	Male	Asian	Taiwan
Marcelo Sztainberg	J. Mitchell	Algorithms for Swarm Robotics	8/03	Asst. Prof., Computer Science, Northeastern Illinois Univ.	9/98 – 8/03	Bachelor of Science – Wayne State University	Male	Hispanic	Argentina
Erwin George	J. Glimm	A Numerical Study of Rayleigh-Taylor Instability	12/03	Lecturer, Univ of Warwick	9/98 – 12/03	Master of Arts – Penn State University	Male	Black	Antigua

Yun Joo Yoo	N. Mendell	Power Study of Likelihood Based Linkage Statistics	5/04	Postdoc, Preventative Medicine, Stony Brook Univ.	1/01 – 5/04	Master of Education – Seoul National University	Female	Asian	Korea
Radha Panini	R. Srivastav	Option Pricing with Merlin Transforms	5/04	Quantitative Analyst, Kohera Associates	9/99 – 5/04	Bachelor of Arts – University of Cambridge	Female	Asian	India
Fei Ji	N. Mendell	Linkage Analysis of a Disease Related Trait Using a Pleiotropic Analysis	5/04	Postdoc, Lab of Statistical Genetics, Rockefeller University	9/99 – 5/04	Bachelor of Science – Peking University	Female	Asian	China
Song Joon Baek	H. Ahn	Variable Selection for Heteroscedastic Data	5/04	Research Scientist, Seoul National Univ.	9/98 – 5/04	Master of Science – Sogang University	Male	Asian	Korea
Xuena Wang	W. Zhu	Pattern Detection and Discrimination in MS Based Proteomic Analysis	5/04	Postdoc, Applied Math & Stat, Stony Brook Univ.	9/00 – 5/04	Master of Science – University of Science and Technology of China (USTC)	Female	Asian	China
Jieun Kim	W. Zhu	Path Analysis of the Visual Attention Network using fMRI Data	8/04	Postdoc, National Institute of Health	9/00 – 8/04	Master of Science – Pusan National University	Female	Asian	Korea
Nataniel Greene	X. Li	Reconstructing Piecewise Smooth Functions from their Spectral Data	12/04	Asst. Prof., Kingsborough Comm. Col. Math Dept.	9/98 – 12/04	Master of Science – New York University	Male	White	USA
Juan Li	W. Zhu	Longitudinal, Survival and Joint Modeling Analysis with Bayesian Applications	12/04	Postdoc, NYU Medical School	1/00 -12/04	Master of Science – SUNY Albany	Female	Asian	China
Michael Curry	E. Feinberg	Applications of Stochastic Methods for Periodic Scheduling	12/04	Senior Math Instructor, Boston Latin School	9/94 – 12/04	Master of Science – Northeastern University	Male	White	USA
Nathan Tintle	N. Mendell	Reclassification as a Cost Effective Sample Design for Estimation and Testing Association when Misclassification Errors are Present	12/04	Asst. Prof., Hope College Math Dept.	9/01 – 12/04	Bachelor of Science – University at Albany	Male	White	USA
Taewon Lee	J. Glimm	Statistical Error Analysis in Numerical Solutions of Shock Physics Problems	5/05	Postdoc, National Center for Toxicological Research	9/00 – 5/05	Master of Science – Seoul National University	Male	Asian	Korea
Youngeun Kim	W. Oh	Bidomain Simulation of Spiral Waves of Cardiac Tissue in Electrical Cardiology	5/05	Taking time off to start a family	9/00 – 5/05	Bachelor of science – Hanyang University	Female	Asian	Korea

Yan Yu	J. Glimm	Errors in Numerical Solutions of Shock Physics Problems	5/05	Postdoc., Stony Brook Applied Math & Stat Dept.	9/00 – 5/05	Master of Engineering – Nanjing University of Aeronautics & Astronautics	Female	Asian	China
Ko-Jen Tsai	K. Ye	Construction of Optimal Three-Level Factorial Design for Response-Surface Model Selection	8/05	Interviewing for postdoc in medical school	9/99 – 8/05	Master of Science – National Taiwan University	Male	Asian	Taiwan
Masa Prodanovic	B. Lindquist	Fluid Displacement in Rock Cores: A Study Based on Three Dimensional X-Ray Microtomography Images	8/05	Postdoc, ICES, University of Texas	9/00 – 8/05	Bachelor of Science- University of Zagreb	Female	White	Croatia
Yoon-ha Lee	J. Glimm	Stochastic Error Analysis for Multiscale Flow Simulations: Two-Phase Petroleum Reservoir Problem	8/05	Postdoc, Cold Spring Harbor Lab	9/99 – 8/05	Master of Science – Korea University	Male	Asian	Korea
Tianshi Lu	J. Glimm	Direct Numerical Simulation of Bubbly Flow and Interfacial Dynamics of Phase Transition	8/05	Research Staff, Brookhaven Nat'l Lab	9/01 – 8/05	Master of Arts – Univ. of Wisconsin – Madison	Male	Asian	China
Ming Zhao	J. Glimm	Error Analysis in Numerical Solutions of Various Shock Physics Problems	8/05	Research Scientist, Google	9/01- 8/05	Bachelor of Science – Nankai University	Female	Asian	China
Inyoung Baek	W. Zhu	Optimal Designs for Potential Missing Trials in Multiple-Objective Dose Response Studies	8/05	Biostatistics Postdoc, NYU Medical School	9/00 – 8/05	Master of Arts – Yonsei University	Female	Asian	Korea
Tao Duan	N. Mendell	Generalized Model for Mixtures: Testing and Estimation	8/05	Postdoc, NYU Medical School	1/02 – 8/05	Master of Science – Southwestern University of Finance and Economics (SUFU), China	Female	Asian	China
Dora Genethliou	E. Feinberg	Statistical Approaches to Electric Load Forecasting	8/05	Planning Staff, Turkish Government	9/99 – 8/05	Bachelor of Science – University of Cyprus	Female	White	Cyprus
Jason Heller	J. Pinezich	Automatic Recognition of Harmonic Bird Sounds	8/05	Systems Engineer, Advanced Acoustical Concepts	9/00 – 8/05	Bachelor of Science- Elizabethtown College	Male	White	USA
Elizabeth John	E. A. Yildirim	Implementing Warm-Start Strategies in Interior Point Methods for Linear Programming	8/05	Research Staff, ADP	9/00 – 8/05	Bachelor of Science – Manhattan College	Female	Asian	India
Srabasti Dutta	J. Glimm	Supernovae and Hydrodynamic Instabilities	8/05	Asst. Prof., U of Arkansas Math Dept.	9/98- 8/05	Bachelor of Science – Berea College	Female	Asian	India

Kwangmi Ahn	S. Finch	Quantifying the Percent Increase in Minimum Sample Size of Linear Trend Tests	12/05	Asst. Prof. of Math., Korean university	9/03 – 12/05	BS – Duksung Women's University	Female	Asian	Korea
Sohae Chung	B. Lindquist	Bone Image Analysis: Quantifying Topological Change in Bone Under Uniform Erosion	12/05	Research staff, Korean manufacturing company	9/01 – 12/05	BS/MS – Ewha Woman's University	Female	Asian	Korea
Xiaofei Fan-Orzechowski	E. Feinberg	Applications of Lovasz's Theta and Lagrangian Functions to Certain Optimization Problems	12/05	Analyst, McKinsey & Co.	9/00 – 12/05	BS – South China University of Technology	Female	Asian	China
Guowen Han	Y. Deng	Analysis of Multi-Scale Molecular Dynamics Algorithms for Simulating Biomolecules	5/06	Senior Quantitative Specialist, Depository Trust and Clearing Corporation	1/02 – 5/06	BS/MS – USTC	Male	Asian	China
Xinfeng Liu	J. Glimm	Turbulent Mixing with Scale Breaking Phenomena	5/06	Visiting Assistant Professor, University of California, Irvine	9/00-5/06	BS – Fudan University	Male	Asian	China
Heejong Sung	N. Mendell	Power Calculations for Linkage Analysis of a Disease Related Trait	5/06	Postdoc, Stony Brook Dept of Preventive Medicine	9/02 – 5/06	BS/MS – Ewha Womans University	Female	Asian	Korea
Bin Xu	W. Zhu	An Empirical Study of Classification and Regression Tree and Random Forests	5/06	Risk Analyst – Amazon.com	9/02 – 5/06	BS/MS – Wuhan University of Hydraulic and Electrical Engineering	Male	Asian	China
Qing Ye	S. Finch	Survival Analysis Estimation and Testing Assuming a Two Component Exponential Mixture	5/06	Biostatistician, Symbio LLC	9/02 – 5/06	MS – Wuhan University of Hydraulic and Electrical Engineering	Female	Asian	China
Choongseok Yoon	W. Zhu	Representation of Generally-Mixed Multivariate Aerosol by the Quadrative Method of Moments	5/06	Biostatistics Postdoc, Mt. Sinai Medical Center	9/00 – 5/06	BS/MS – Korea University	Male	Asian	Korea
Seungtai Yoon	K. Ye	Bayesian Factor Screening	5/06	Computational Scientist, Cold Spring Harbor Laboratory	9/02 – 5/06	BS/MS – Seoul National University	Male	Asian	Korea
Firas Daaboul	B. Lindquist	3D Image Analysis for Automated Recognition of Neurons	8/06	Financial Derivatives Software Consultant, Murex	9/01 - 8/06	BS/MS – American University of Beirut	Male	White	Lebanon
Daria Eremina	W. Zhu	A New Expectation-Maximization Framework for Partial Volume Segmentation of Medical Images	8/06	Math lecturer, Czech university	9/00 - 8/06	BS – Moscow State University	Female	White	Russia

Yeona Kang	C. Fortmann	Fast Algorithm for the Protein Folding Dynamics	8/06	Postdoc, Stony Book Applied Math Dept.	9/02 - 8/06	BS/MS – Pusan National University	Female	Asian	Korea
Jinjie Liu	X. Li	A Conservative Front Tracking Method in N-Dimensions	8/06	Asst. Prof. of Mathematics, Arizona State University	9/01 - 8/06	BS – University of Science and Technology	Male	Asian	China
Dorothy Retelevski	S. Finch	Properties of Tukey’s One Degree of Freedom Test for Detecting Epistasis in Non-normal Quantitative Trait Loci	12/06	Math Professor, SUNY-Nassau CC	1/99 – 12/06	BS – SUNY Stony Brook	Female	White	US
Adam Tashman	R. Frey	Modeling Risk in Arbitrage Strategies Using Finite Mixtures	12/06	Research Analyst, Ivy Asset Management	9/03 – 12/06	BA –University Of Virginia	Male	White	USA
Jian Du	J. Glimm	Simulation of Magnetohydrodynamic Multiphase Flow	5/07	Postdoc, University of Utah Math Dept	1/03 – 5/07	BS/MS – Wuhan University	Male	Asian	China
Bin Fang	Y. Deng	Parallel Spherical cutoff 3D FFT and its implementation in SPME	5/07	Postdoc, Brookhaven Nat’l Lab	9/02 – 5/07	BS – Peking University	Male	Asian	China
Wonkuk Kim	S. Finch	Application of Asymptotic LRTS Results to Mixture Problems in Genetic Research	5/07	Asst. Prof., University of South Florida, Math Dept.	9/03 – 5/07	BS/MS – Seoul National University	Male	Asian	Korea
Jean Pestieau	J. Glimm	Uncertainty Quantification and Grid-Based Geometrical Computations for Turbulent Fluid Mixing	5/07	Math Professor, SUNY-Suffolk CC	9/02 – 5/07	B.E. – The Cooper Union for the Advancement of Science and Art	Male	White	Belgium
Zhongming Yang	S. Finch	Restricted Linear Mixture Regression Models: Estimation, Power and Sample Size Calculations	5/07	Research. Staff., Preventive Med. Dept, Stony Brook U.	1/05 – 5/07	B.E. – East China University of Chemical Technology	Male	Asian	China
Janet Braunstein	Y. Deng	Analysis of Task Mapping for Parallel Supercomputers	8/07	Asst Prof. Math. Dept, U.S. Military Academy	9/02 – 8/07	BS – Providence College	Female	White	USA
Jian Du	J. Glimm	Simulations of Magneto-hydrodynamics Multiphase Flow	8/07	Asst Prof, Math Dept, University of Utah	1/03 – 8/07	BS – Wuhan University	Male	Asian	China
Melissa Fazzari	H. Ahn	Classification Ensembles with Applications to Genomics	8/07	Asst Prof. of Biostatistics, Einstein College of Medicine	9/03 – 8/07	BA – Boston University MS – Arizona State University	Female	White	USA
Chen Ji	W. Zhu	Joint Analysis of Gene and Protein Data	8/07	Postdoc, N.I.H.	9/02 – 8/07	BS – Peking University	Male	Asian	China
Xicheng Jia	X. Li	Applications of Front Tracking to Multiple Scientific Problems	8/07	Operations Researcher, Jordan Publishing Corp.	9/01 – 8/07	MS – Institute of Engineering, Chinese Academy of Science	Male	Asian	China

Hyunsun Lee	J. Glimm	Compressible Multiphase Multispecies Flow Models	8/07	Postdoc, Comput. Science & Engineering Dept, U. of Illinois	9/02 – 8/07	BS/MS – Yonsei University	Female	Asian	Korea
Yuanhua Li	X. Li	Enhanced 3D Front Tracking Method with Locally Grid Based Interface	8/07	Risk Analyst, Paloma Partners Management Corp.	9/02 – 8/07	BS – Tongji University	Male	Asian	China
Valentin Polishchuk	J. Mitchell	Non-Crossing Paths and Minimum-Cost Flows in Polygonal Domains	8/07	Postdoc, HIIT, University of Helsinki	9/00 – 8/07	BS/MS – Moscow Institute of Physics and Technology	Male	White	USSR
Lin Tung	S. Finch	The Impact of Genotype Misclassification Errors on the Power to Detect a Genetic	8/07	Postdoc, Spanish National Cancer Research Center)	1/05 – 8/07	BS – Stony Brook University	Female	Asian	USA
Shuqiang Wang	J. Glimm	Solving Elliptic Interface Problem Using Mixed Finite Element Method	8/07	Credit Analyst, Calif. financial company	9/02 – 8/07	BE – North China University of Technology	Male	Asian	China
Yue Zhang	W. Zhu	Path Analysis of Multivariate Time Series Data with Subject-level Covariates	8/07	Took time off to start family	9/02 – 8/07	BS – Shanghai Jiaotong University	Female	Asian	China
Paul Lavergne	Y. Zhang	Thermonuclear Flame Studies in Rectangular Geometry	12/07	Chair, Arts and Sciences . Vaughn College of Aeronautics	9/98 – 12/07	BA – Queens College CUNY	Male	White	USA
Noha Lim	H. Ahn	Classification Ensembles from Random Partitions using Logistic Regression Models	12/07	Principal Scientist, Medical Genetics, GlaxoSmithKline	9/03 – 12/07	BS – Yonsei University	Male	Asian	Korea
Yeming Ma	N. Mendell	Step Density Function and Bootstrap Resampling	12/07	Scientist, Institute on Alcoholism & Alcohol Abuse, National Instituted of Health	9/02 – 12/07	MS – University of Illinois PhD – Stanford University	Male	Asian	USA
Manu Manu	J. Reinitz	Canalization of Gap Gene Expression During Early Development in Drosophila Melanogaster	12/07	Postdoc, AMS Department, SUNY Stony Brook	9/01 – 12/07	MS – Indian Inst.of Foreign Trade	Male	Asian	India
Thomas Masser	J. Grove	Breaking Temperature Equilibrium for Mixed Cell Hydrodynamics	12/07	Postdoc, Los Alamos National Laboratory	9/03 – 12/07	MS – Penn State University	Male	White	USA
Joseph McQuown	J. Glimm	Muti-scale, Geometric Algorithm for Non-parametric Data Exploration with an Application to Genomic Data	12/07	Quantitative Analyst, Standard and Poor's	9/02 – 12/07	BS – University of Michigan	Male	White	USA
Xiangfeng Wu	W. Zhu	Optimal Designs for Segmented Polynomial Models and Implementation of Optimal Design Software	12/07	Biostatistician, Biometrics and Clinical Informatics, Johnson & Johnson Pharmaceutical R&D	9/03 – 12/07	BS – Beijing Information Technology Institute	Male	Asian	China
Yang Yang	S. Finch	A family-based Likelihood Ratio Test for General Pedigree Structures	12/07	Biostatistician, U.S. Food and Drug Agency	9/05 – 12/07	BS – Wuhan University	Female	Asian	China

