PhD Graduates

MATHEMATICAL SCIENCES

(Degree conferred jointly by NJIT and Rutgers-Newark, New Jersey)

Valeria Barra

BS Mathematical Sciences, University of Siena, Siena, Italy
MS Mathematical Sciences, University of Siena, Siena, Italy
Dissertation:
Numerical Simulations of Thin Viscoelastic Films
Advisors:
Shahriar Afkhami, PhD
Lou Kondic, PhD
Shawn A. Chester, PhD

Rui Cao

BS Information and Computational Science, Xi’an Jiaotong University, Xi’an, Shanxi, People’s Republic of China
MS Applied Mathematics, Stevens Institute of Technology, Hoboken, New Jersey
Dissertation:
Numerical Methods and Simulation for the time Dependent Electrokinetic Flow
Advisors:
Michael R. Booty, PhD
Michael S. Siegel, PhD

Szu-Pei Fu

BBA Business Administration, Soochow University, Taipei, Taiwan
MS Mathematical and Computational Finance, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:

*Efficient Coarse-Grained Brownian Dynamics Simulations for DNA and Lipid Bilayer Membrane with Hydrodynamic Interactions*

Advisors:

Yuan-Nan Young, PhD
Shidong Jiang, PhD

**Xieyang Jia**

BS Public Health Management, Fudan University, Shanghai, People’s Republic of China
MS Biostatics, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:

*Survival Analysis Using Archimedean Copulas*

Advisor:

Antai Wang, PhD

**Michael-Angelo Y.-H. Lam**

BS Applied Mathematics and Applied Physics, New Jersey Institute of Technology, Newark, New Jersey
MS Mathematical Sciences, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:

*Instabilities in Nematic Liquid Crystal films and Droplets*

Advisors:

Linda J. Cummings, PhD
Lou Kondic, PhD
Randolph J. Leiser

BA Mathematics. The College of New Jersey, Ewing, New Jersey

Dissertation:

Effects of Heterogeneity on Oscillatory Network Dynamics

Advisor:

Horacio G. Rotstein, PhD

Haiyang Qi

BS Computational Mathematics, Jilin University Changchun, People’s Republic of China

Dissertation:

Boundary Integral Equation Based Numerical Solutions of Helmholtz Transmission Problems for Composite Scatters

Advisor:

Catalin C. Turc, PhD

Pejman Sanaei

BS Mechanical Engineering, Shiraz University, Shiraz, Iran

MS Pure Mathematics, Shiraz University, Shiraz, Iran

MS Applied Statistics, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:

Mathematical Modeling of Membrane Filtration

Advisor:

Linda J. Cummings, PhD

Ivana Seric

BS Mathematical Sciences, New Jersey Institute of Technology, Newark, New Jersey
Dissertation:

Direct Computations of Marangoni Driven Flows Using a Volume of Fluid Method

Advisors:

Shahriear Afkhami, PhD
Lou Kondic, PhD

Yalin Zhu

BS Statistics, Tianjin University of Finance and Economics, Tianjin, People’s Republic of China
MS Applied Statistics, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:

Topics on Multiple Hypotheses Testing and Generalized Linear model

Advisors:

Sunil K Dhar, PhD
Wenge Guo, PhD

MASTER OF SCIENCE

Applied Mathematics

Emel Khan
Brian Ruderman
Ugochukwu Obinna Ugwu
**Applied Statistics**

Yifei Cheng
Fuqiang Dong
Eli Seth Golden
Jia He
Liping Li
Shivam U. Patel
Tasha Patel
Tian Qin
Kevin David Rodriguez
Kevin Singer
Mo Zhu

**MATHEMATICAL AND COMPUTATIONAL FINANCE**

Malik Abdullae Aberedu
Akuwa Kalu
Gokul Medasani
Yi Zhou

**BACHELOR OF SCIENCE**

**MATHEMATICAL SCIENCES**

Thomas J. Bandeira
Ester J. Calderon
Elizabeth J. Castro
Elizabeth J. Daudelin
Jacob Dresher
Binah D. Ezra
Rahul Halder
Sonali Kamath
Peter G. Lehrer
Yun Ling
Matthew N. Marner
Beatriz McNabb
Ivan Mitevski
Alina P. Mohit-Tabatabai
Roman C. Passaro
Paulo Daniel Paz
Vincent W. Porcelli
Diego Antonio Rios Pineda
Michael A. Rivera
Achraf Safsafi
Elie R. Samaha
Xinjin Ye