

2026

School of Mathematical Sciences, Shanghai Jiao Tong University, Supervisors for 2026 PhD Programs
(listed alphabetically according to the name of supervisors)

1	Tobias DIEZ / / Tenure -track Associate Professor	Mathematics	Symplectic geometry, Gauge theory, Differential geometry, Global analysis
2	Samuel DRAPEAU / / Tenured Associate Professor	Statistics	Stochastic Analysis, Optimization, Decision Theory
3	Sergei KALMYKOV / / Tenured Associate Professor	Pure Mathematics	Polynomial and polynomial inequalities, geometric function theory, conformal mappings, potential theory
4	Thomas KARAM / / Tenure -track Associate Professor	Mathematics	Tensors, combinatorics, geometric inequalities, information theory
5	Nana LIU / / Professor	Applied Mathematics	Quantum computation, Quantum Information, Quantum Machine Learning
6	Trinh Tien N GUYEN / Tenure-track Associate Professor	Applied Mathematics	Partial Differential Equations, Stability Theory
7	/ Jing AN / Tenure-track Associate Professor	Applied Mathematics	Machine learning, partial differential equations
8	/ Yu CAO / Tenure -track Associate Professor	Computational Mathematics	open quantum system, machine learning
9	/ Guodu CHEN / Tenure track Associate Professor	Pure Mathematics	Algebraic Geometry Birational Geometry
10	/ Luonan CHEN / Chair Professor	Applied Mathematics	Applied Mathematics, Artificial Intelligence, Brain - Inspired AI, Dynamical Data Science, Computational Biology
11	/ Min CHEN / Professor	Applied Mathematics	Theoretical analysis and numerical simulations of nonlinear dispersive wave systems

12	/ Xin CHEN / Professor	Statistics	Stochastic Analysis(Functional Inequality, Stochastic Analysis on Infinite Dimensional Space, the Application of Stochastic Methods on Geometry and Partial Differential Equation)
13	/ Xinxing CHEN / Professor	Statistics	Random process Random graph, Stochastic system of infinite particles
14	/ Zhangxing CHEN / Chair Professor	Mathematics	Computational Mathematics, Big Data and Artificial Intelligence
15	/ Shijin DENG / Professor	Mathematics	Partial Differential Equations
16	/ Jinyan FAN / Distinguished Professor	Computational Mathematics	Optimization Methods (Nonlinear Optimization Theory and Methods)
17	/ Beixiang FANG / Professor	Applied Mathematics	Partial Differential Equations and Their Applications
18	/ Jiarui FEI / Tenured Associate Professor	Mathematics	Cluster Algebra, Quiver Representation, Invariant Theory
19	/ Shubin FU / Tenure - track Assistant Professor	Computational Mathematics	Computational Mathematics and its applications in science and engineering
20	/ Yun GAO / Associate Professor	Pure Mathematics	Algebraic Geometry and its Application in Several Complex Variables
21	/ Zhenguo GAO / Tenuretrack Associate Professor	Statistics	Change Point Detection and Anomaly Detection, Data Mining and Machine Learning, Nonparametric Smooth Models, High dimensional data analysis
22	/ Dan HU / Professor	Computational Mathematics	Computational Mathematics and Mathematical Biology (Numerical Methods; Mathematical Modeling)
23	/ Yong HU / Tenure -track Associate Professor	Pure Mathematics	Algebraic Geometry

24	/ Yuhao HU / Tenure-track Associate Professor	Mathematics	Differential Geometry and its Applications
25	/ Fukeng HUANG / Tenure track Assistant Professor	Computational Mathematics	(Computational Mathematics Numerical methods for partial differential equations and numerical analysis
26	/ Jianguo HUANG / Professor	Computational Mathematics	Computational and Applied Mathematics (Finite Element Methods with Applications; Design and Analysis for Fast Algorithms; Deep Learning Methods and Applications)
27	/ Cuipo JIANG / Distinguished Professor	Pure Mathematics	Algebra (Lie Algebras and Vertex Operator Algebras)
28	/ Shi JIN / Chair Professor	Computational Mathematics	Computational and Applied Mathematics
29	/ Mijia LAI / Professor	Pure Mathematics	Geometric Analysis and Partial Differential Equations (Geometric PDEs, Complex Geometry, Regularity Theory of Second Order Elliptic PDEs)
30	/ Congming LI / Chair Professor	Pure Mathematics	Partial Differential Equations and Geometric Analysis (Geometric Analysis; Dynamics of Fluid; Nonlinear Partial Differential Equations; Calculus of Variations, Nonlinear Analysis)
31	/ Hongze LI / Professor	Pure Mathematics	Number Theory (Analytic Number Theory)
32	/ Jiyou LI/ Professor	Mathematics	, Combinatorial Number Theory, Algebraic Coding Theory and Cryptography
33	/ Lei LI / Professor	Applied Mathematics and Computational Mathematics	Research Interest: 1. Random Algorithms Numerical SDE; 2. Analysis of PDEs, including mean field limit
34	/ Siran LI / Tenure -track Associate Professor	Mathematics	Partial differential equations, calculus of variations, geometric measure theory, and applications in mathematical hydrodynamics and continuum mechanics

35	/ Songting LI / Distinguished Professor	Applied Mathematics	Computational neuroscience
36	/ Yachun LI / Professor	Applied Mathematics	- Partial Differential Equations and Their Applications (Hyperbolic Conservation Laws; Degenerate Parabolic - hyperbolic Equations; Nonlinear Partial Differential Equations in Fluid Dynamics)
37	/ Youlin LI / Professor	Mathematics	Low dimensional topology; contact geometry
38	/ Jingwei LIANG / Tenure - track Associate Professor	Applied Mathematics	Mathematical Image Processing, Data Science and Mathematical Optimization
39	/ Yiqing LIN / Tenured Associate Professor	Statistics	(Financial Mathematic and Financial Engineering, Stochastic Analysis, Nonlinear Statistical Theory
40	/ Yiwen LIN / Tenure - track Associate Professor	Computational Mathematics	Computational and Applied Mathematics (Inverse Problems; Kinetic Modeling; Uncertainty Quantification)
41	/ Chengjie LIU / Professor	Applied Mathematics	Partial Differential Equations
42	/ Lin LIU / Tenure - track Associate Professor	Statistics	/ / Causal Inference, Mathematical Statistics, Infinite dimensional/Nonparametrics/ Semiparametrics Statistical Theory, Machine Learning
43	/ Quanxing LIU / Professor	Applied Mathematics	Biomathematics Interdisciplinary Research of Mathematics and Biogeomorphology
44	/ Weidong LIU / Distinguished Professor	Statistics	Probability and Mathematical Statistics
45	/ Yuan LOU / Chair Professor	Applied Mathematics	Reaction- Diffusion Equations, Mathematical Biology

46	/ Peng LUO / Tenure- track Associate Professor	Statistics	Stochastic Analysis, Stochastic Control, Mathematical Finance
47	/ Shan LUO / Tenured Associate Professor	Statistics	High- dimensional Data Analysis
48	/ Tao LUO / Tenure -track Associate Professor	Applied Mathematics	Materials Science, Machine Learning
49	/ Zhihao MA / Professor	Applied Mathematics	Quantum Information Quantum Mechanics Operator Theory Operator Algebra Matrix Theory
50	/ Langte MA / Tenure- track Associate Professor	Pure Mathematics	Geometric Topology, Gauge Theory
51	/ Shiyang MA / Tenure- track Associate Professor	Statistics	Statistical genetics, Biostatistics, Bioinformatics, Clinical trial designs
52	/ Zheng MA / Tenure- track Associate Professor	Mathematics	Machine learning and computational mathematics
53	/ Xiaojun MAO / Professor	Statistics	Distributed Statistical Inference, Matrix/Tensor Completion, Machine Learning
54	/ Zhiping MAO / Tenured Associate Professor	Computational Mathematics	Deep Learning, Numerical solutions of differential equations
55	/ Hancheng MIN Tenure - track Associate Professor	Applied Mathematics	Deep Learning Theory, Trustworthy AI, Dynamical Systems and Control, Optimization
56	/ Haojie REN / Tenure - track Associate Professor	Statistics	Massive data analysis; Change - point detection and outlier identification; On -line learning and monitoring; High -dimensional inference
57	/ Mingyang REN / Tenure- track Associate Professor	Statistics	(/ /) Heterogeneous data analysis (subgroup analysis / transfer learning / integrative analysis), Graphical model, High - dimensional data analysis, Biostatistics
58	/ Feng RONG / Professor	Pure Mathematics	Several Complex Variables and Complex Dynamics

59	/	Computational Mathematics	Numerical analysis, Scientific Computing, Computational Fluid Dynamics and Computational Materials Science
60	/ Mei SI / Associate Professor	Mathematics	Algebra representation theory
61	/ Min TANG / Professor	Applied Mathematics	Computational Mathematics and Mathematical Biology(Transport Equations and Reaction Diffusion Equations, Their Numerical Schemes and Biology Modeling)
62	/ Yilei TANG / Professor	Applied Mathematics	Ordinary Differential Equations and Dynamical System
63	/ Youshan TAO / Distinguished Professor	Applied Mathematics	Applied Partial Differential Equations (Chemotaxis Models)
64	/ Yan WANG / Tenuretrack Associate Professor	Mathematics	Graph Theory and its Applications
65	/ Cheng WAN / Tenured Associate Professor	Statistics	High Dimensional Statistical Inference, Random Matrix Theory and Application
66	/ Di WANG / Tenuretrack Associate Professor	Statistics	High-dimensional data analysis, time series, machine learning
67	/ Fang WANG / Professor	Pure Mathematics	Geometric Analysis and PDEs General Relativity
68	/ Fei WANG / Tenuretrack Associate Professor	Mathematics	/ Analysis of PDE, fluid dynamics
69	/ Haitao WANG / Professor	Applied Mathematics	Partial Differential Equations
70	/ Kaizhi WANG / Professor	Mathematics	KAM - Hamiltonian dynamical systems and applications (Weak KAM theory, Hamilton-Jacobi equations, mean field games theory)
71	/ Tao WANG / Professor	Statistics	Statistics for High - Dimensional Data, Biostatistics, Statistical Machine Learning

72	/ Tianyu WANG / Tenure-track Associate Professor	Pure Mathematics	Dynamical systems and smooth ergodic theory
73	/ Tongrui WANG / Tenure track Associate Professor	Pure Mathematics	, Differential Geometry, Geometric Analysis (Minimal Surfaces, Geometric Variational Theory)
74	/ Xiaodong WANG / Tenured Associate Professor	Mathematics	, Differentiable Dynamical Systems , Ergodic Theory
75	/ , Xiaoming WANG / Chair Professor	/ Mathematics	Applied and computational mathematics
76	/ Yaguang WANG / Chair Professor	Applied Mathematics	Partial Differential Equations and Their Applications (Hyperbolic Equations; Hyperbolic -parabolic Coupled Equations; Mathematical Theory of Fluid Mechanics; Stability Analysis of Nonlinear Waves)
77	/ Yuguang WANG / Tenure-track Associate Professor	Applied Mathematics	Harmonic Analysis, Graph Neural Networks, Geometric Deep Learning, Numerical Analysis
78	/ Zengqi WANG / Professor	Computational Mathematics	Numerical Algebra , matrix computing
79	/ Hao WU / Professor	Applied Mathematics and Computational Mathematics	operator theory and machine learning approaches for stochastic systems computational molecular biology
80	/ Yaokun WU / Professor	Pure Mathematics	Combinatorics (Algorithmic Graph Theory; Discrete Dynamical System; Algebraic Combinatorics)
81	/ Dongmei XIAO / Distinguished Professor	Mathematics	Ordinary Differential Equations and Dynamical System (Bifurcation Theory and Its Application)
82	/ Qian XIAO / Tenured Associate Professor	Statistics	Design and Analysis of Computer Experiments, Uncertainty Quantification, Machine Learning
83	/ Chunjing XIE / Professor	Applied Mathematics	Partial Differential Equations (Mathematical Theory of Fluid Mechanics; Mathematical Theory of General Relativity)

84	/ Feng XIE / Distinguished Professor	Applied Mathematics	Partial Differential Equations and Their Applications
85	/ Chaoping XING / Chair Professor	Mathematics	Number theory, cryptography and coding theory
86	/ Zhenli XU / Distinguished Professor	Computational Mathematics	Computational and Applied Mathematics (Numerical Methods for PDEs, Applied Mathematics in Physics and Biology)
87	/ Peirong XU / Tenure - track Associate Professor	Statistics	Longitudinal data analysis, High - dimensional inference, Biostatistics
88	/ Zhiqin XU / Professor	Mathematics	Machine Learning, Computational Neuroscience
89	/ Hui YANG / Tenure track Associate Professor	Pure Mathematics	Partial Differential Equations, Calculus of Variations, Geometric Analysis
90	/ Jinwei YANG / Tenure - track Associate Professor	Pure Mathematics	Tensor category, Vertex operator algebra, Representation theory of various algebraic objects
91	/ Ruiyi YANG / Tenure track Associate Professor	Computational Mathematics	uncertainty quantification, Bayesian computation, nonparametric statistics, computational harmonic analysis
92	/ Xiongfeng YANG / Professor	Applied Mathematics	Partial Differential Equations
93	/ Yihu YANG / Professor	Pure Mathematics	Geometry (Differential Geometry, Complex Geometry)
94	/ Zhiguo YANG / Tenure - track Associate Professor	Computational Mathematics	High Order Numerical Methods for Partial Differential Equations and Their Applications (Spectral and Spectral - Element Method, Computational Electromagnetics, Computational Fluid Dynamics)
95	/ Wenjun YING / Professor	Computational Mathematics	Computational Mathematics (Numerical Solution of Partial Differential and Boundary Integral Equations; Adaptive Mesh Refinement and Fast Algorithms)

96	/ Jiang YU / Professor	Applied Mathematics	Ordinary Differential Equations and Dynamical System (Qualitative Theory, Bifurcation Theory of ODE and Its Application)
97	/ Zhangsheng YU / Professor	Statistics	Biostatistics
98	/ Guofu YU / Professor	Applied Mathematics	(Ordinary Differential Equations and Dynamical System (Integrable systems, Soliton theory and Orthogonal polynomials)
99	/ Tianyu YUAN / Tenure- track Assistant Professor	Pure Mathematics	Symplectic geometry, low - dimensional topology, quantitative finance, AI for Math
100	/ Deng ZHANG / Professor	Statistics	Stochastic Analysis, Random Matrix
101	/ Lei ZHANG / Professor	Computational Mathematics	Computational and Applied Mathematics (Numerical Analysis and Scientific Computing; Multiscale Modeling, Analysis and Simulation with Applications in Science and Engineering)
102	/ Xiang ZHANG / Distinguished Professor	Pure Mathematics	Ordinary Differential Equations and Dynamical System (Qualitative Theory and Bifurcation; Integrability; Singular Perturbation)
103	/ Xiaoqun ZHANG / Distinguished Professor	Applied Mathematics	Computational and Applied Mathematics (Mathematical Imaging Processing; Optimization Theory and Algorithms)
104	/ Xiaodong ZHANG / Professor	Applied Mathematics	, Graph and Combinatorics (Graph and Complex Network; Combinatorial Matrix Theory)
105	/ Yang ZHANG / Tenuretrack Associate Professor	Mathematics	Inverse problems, microlocal analysis, PDEs
106	/ Yaoyu ZHANG / Tenuretrack Associate Professor	Applied Mathematics	machine learning and computational neuroscience

107	/ Yingchun ZHANG / Tenuretrack Associate Professor	Pure Mathematics	enumerative geometry, mathematical physics
108	/ Yongjia ZHANG / Tenure-track Associate Professor	Pure Mathematics	Geometric Analysis (Ricci flow and other geometric flows)
109	/ Pu ZHANG / Distinguished Professor	Pure Mathematics	, Algebra (Representation Theory of Algebras; Triangulated Categories and Derived Categories)
110	/ Cheng ZHENG / Tenuretrack Associate Professor	Pure Mathematics	Homogeneous Dynamics
111	/ Suhan ZHONG Tenure-track Associate Professor	Computational Mathematics	polynomial optimization, bilevel optimization and its applications
112	/ Chunqin ZHOU / Professor	Pure Mathematics	() Partial Differential Equations and Geometry Analysis(Including Regularity Theory of Second Elliptic Equation, Variation method, Blow up analysis etc.)
113	/ Dongzhuo (Douglas) ZHOU / Distinguished Professor	Computational Mathematics	Computational and Applied Mathematics (Theoretical and Computational Neuroscience)
114	/ Shenggao ZHOU / Professor	Applied Mathematics	Scientific Computing; Biophysical Modeling; Stochastic Simulations; Drug Design
115	/ Zijun ZHOU / Tenure-track Associate Professor	Pure Mathematics	Algebraic geometry (enumerative geometry, mathematical physics, and related geometric representation theory)
116	/ Miaomiao ZHU / Tenured Associate Professor	Pure Mathematics	, , , Differential Geometry, Geometric Analysis, Nonlinear Partial Differential Equations, Mathematical Physics
117	/ Shengguo ZHU / Tenured Associate Professor	Pure Mathematics	Partial differential equations , Fluid mechanics
118	/ Yanmin ZHU / Professor	Mathematics	Graph Machine Learning, Multimodal Learning, Big Data Mining, Privacy -Preserving Computation