

## Workshops of Tianyuan Mathematics Research Center (2026)

No.	Convener	Start Date	Workshop Title
TY-2026-C-089	1、Deren Han, Beihang University, Professor; 2、Caihua Chen, Nanjing University, Professor; 3、Yaohua Hu, Shenzhen University, Professor	2026-01-11	Mathematical Theory and Methods in Intelligent Transportation
TY-2026-C-074	1、Jiayu Li, China Science & Technology University, Professor; 2、Ruijun Wu, Beijing Institute of Technology, Professor; 3、Jie Zhou, Capital Normal University, Associate Professor	2026-01-18	Geometric Variational Problems
TY-2026-C-033	1、Jinxin Zhou, Beijing Jiao Tong University, Professor; 2、Caiheng Li, Southern University of Science and Technology, Professor; 3、Binzhou Xia, The University of Melbourne, Australia, School of Mathematics and Statistics, Associate Professor	2026-01-25	Workshop on Algebraic Graph Theory
TY-2026-C-069	1、Kun Yuan, Beijing University, Assistant Professor; 2、Zaiwen Wen, Beijing University, Professor; 3、Yurii Nesterov, University of Leuven, Professor	2026-02-01	Workshop on Large Language Models and Optimization
TY-2026-C-068	1、Junpeng Cao, Institute of Physics CAS, Researcher ; 2、Shunlong Luo, Academy of Mathematics and Systems Science,CAS, Researcher ; 3、Wenli Yang, Northwest University, Professor	2026-02-08	Workshop on Quantum Integrable Systems and Quantum Information
TY-2026-C-030	1、Hongkun Zhang, Great Bay University, Professor; 2、Zhihong Xia, Great Bay University, Professor; 3、Jianyu Chen, Soochow University, Professor	2026-03-08	Interdisciplinary Research Between Dynamical Systems and Artificial Intelligence
TY-2026-C-041	1、Wen Huang, China Science & Technology University, Professor; 2、Xicheng Zhang, Beijing Institute of Technology, Professor; 3、Zhenxin Liu, Dalian University of Technology, Professor	2026-03-22	Ergodic Theory and Dynamics of SDEs
TY-2026-C-034	1、Haibao Duan, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Fei Han, National University of Singapore, Associate Professor;	2026-03-29	Algebraic Topology and Its Applications in Geometry and Physics

	3、Ruizhi Huang, Academy of Mathematics and Systems Science,CAS, Associate Researcher		
TY-2026-C-040	1、 Baozhu Guo, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、 Junmin Wang, Beijing Institute of Technology, Professor; 3、 Wen Kang, Beijing Institute of Technology, Professor	2026-04-12	Mathematical Control Theory and Artificial Intelligence
TY-2026-C-013	1、 Jianjun Wang, Southwest University, Professor; 2、 Zhiguo Wang, Sichuan University, Associate Professor; 3、 Xile Zhao, University Of Electronic Science And Technology Of China, Professor	2026-04-12	Advanced Methods and Theories in Data Science
TY-2026-C-092	1、 Yan Xu, China Science & Technology University, Professor; 2、 Quan Zhao, China Science & Technology University, Assistant Professor; 3、 Yong Liu, Academy of Mathematics and Systems Science,CAS, Associate Researcher	2026-04-26	Workshop on high-accuracy and structure-preserving numerical methods and theory
TY-2026-C-084	1、 Dexing Kong, Zhejiang University, Professor; 2、 Xuecheng Tai , Norwegian Research Centre, Energy and Technology, Professor; 3、 Shihui Ying, Shanghai University, Professor	2026-05-03	Medical Image Processing Methods and Applications
TY-2026-C-018	1、 Beifang Chen, The Hong Kong University of Science and Technology, Professor; 2、 Long Guo, Nankai University, Professor; 3、 Libo Yang, Nankai University, Professor	2026-05-10	Workshop on Combinatorics, Algebra and Geometry
TY-2026-C-085	1、 Huiling Duan, Beijing University, Professor; 2、 Xiaofan Wang, Shanghai Institute of Technology, Professor; 3、 Aming Li, Beijing University, Assistant Professor	2026-05-17	Artificial Intelligence-Driven Complex Dynamics
TY-2026-C-091	1、 Defeng Sun, The Hong Kong Polytechnic University, Professor; 2、 Pinyan Lu, Shanghai University of Finance and Economics, Professor; 3、 Guochuan Zhang, Zhejiang University, Professor	2026-05-17	Theory and Algorithms for Solving Hard Optimization Problems

TY-2026-C-032	1、Zhengyi Zhou, Academy of Mathematics and Systems Science,CAS, Associate Researcher ; 2、Honghao Gao, Tsinghua University, Assistant Professor; 3、Kenji Fukaya, Beijing Institute of Mathematical Sciences and Applications(BIMSA), Professor	2026-05-24	Recent advances in symplectic geometry
TY-2026-C-090	1、Katharina Schratz, Sorbonne University, Professor; 2、Yi Wang, Academy of Mathematics and Systems Science,CAS, Researcher	2026-05-31	2026 China-France Joint Workshop on Partial Differential Equations and Their Applications
TY-2026-C-081	1、Fan Feng, Beijing University, Assistant Professor; 2、Xian Chen, Beijing University, Assistant Professor; 3、John Ball, Heriot-Watt University/City University of Hong Kong, Professor	2026-06-07	Mathematical and Mechanical Design of New Materials
TY-2026-C-073	1、Jun Hu, Beijing Institute of Technology, Professor; 2、Ming Fang, Academy of Mathematics and Systems Science,CAS, Researcher ; 3、Jinkui Wan, Beijing Institute of Technology, Professor	2026-06-07	International Workshop on quantum groups, categorification and related topics
TY-2026-C-025	1、Wei Gong, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Eduardo Casas, Universidad de Cantabria, Spain, Departamento de Matemática Aplicada, Professor; 3、Jan Sokolowski, University of Lorraine, France, Faculté des sciences et Technologies, Professor	2026-06-14	International Workshop on PDE-constrained Optimization: theory, numerics and applications
TY-2026-C-026	1、Shulin Wu, Northeast Normal University, Professor; 2、Martin Gander, Université de Genève, Section de Mathématiques, Professor; 3、Shengfeng Zhu, East China Normal University, Professor	2026-06-14	International Workshop on PDE-constrained Optimization: theory, numerics and applications
TY-2026-C-015	1、Su Gao, Nankai University, Professor; 2、Liuzhen Wu, Academy of Mathematics and Systems Science,CAS, Associate Researcher ;	2026-06-21	Definability and Computation

	3、Yue Yang, National University of Singapore, Professor		
TY-2026-C-080	1、Loic Merel, UniversitéParis Cité,France, Professor; 2、Yichao Tian, Academy of Mathematics and Systems Science,CAS, Researcher	2026-06-28	Sino-French Conference on Number Theory
TY-2026-C-022	1、Jianlu Zhang, Academy of Mathematics and Systems Science,CAS, Associate Researcher ; 2、Wei Cheng, Nanjing University, Professor; 3、Konstantin Khanin, Tsinghua University, Bimsa 中心, Professor	2026-06-28	Singularities of Hamilton-Jacobi equations and related topics: geometry, control and stochasticity
TY-2026-C-023	1、Qing Xiang, Southern University of Science and Technology, Professor; 2、Xiande Zhang, China Science & Technology University, Professor; 3、Sihuang Hu, Shangdong University, Professor	2026-07-05	Workshop on Combinatorics and Coding Theory
TY-2026-C-087	1、Haiyan Zhou, Nanjing Normal University, Professor; 2、Hao Chen, Jinan University, Professor	2026-07-12	Mathematical theories in coding and cryptography
TY-2026-C-042	1、Feimin Huang, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Gui-Qiang G. Chen, University of Oxford, Mathematical Institute, Professor; 3、Jose A. Carrillo, University of Oxford, Mathematical Institute, Professor	2026-07-19	Workshop on Fluid and Kinetic Partial Differential Equations
TY-2026-C-035	1、Xiangyu Zhou, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Yum-Tong Siu, Harvard University, Department of Mathematics, Professor; 3、John Erik Fornæss, Norwegian University of Science and Technology, Department of Mathematical Sciences, Professor	2026-07-26	Several complex variables and complex geometry
TY-2026-C-077	1、Zhiquan Luo, The Chinese University of Hong Kong, Shenzhen, Professor; 2、Mingjie Shao, Academy of Mathematics and Systems Science,CAS,	2026-08-02	Mathematical Issues in Communications

	Associate Researcher ; 3、Yafeng Liu, Beijing University of Posts and Telecommunications, Professor		
TY-2026-C-009	1、Yalong Cao, Academy of Mathematics and Systems Science,CAS, Associate Researcher ; 2、Yehao Zhou, Fudan University, Assistant Professor ; 3、Andrei Okounkov, Columbia , Mathematics, Professor	2026-08-09	Geometric representation theory and related topics
TY-2026-C-072	1、Jianfeng Yao, The Chinese University of Hong Kong, Shenzhen, Professor; 2、Benoît Collins, The Chinese University of Hong Kong, Shenzhen, Professor; 3、Dong Yao, Jiangsu Normal University, Associate Professor	2026-08-16	Frontiers in Random Matrix Theory and Applications
TY-2026-C-043	1、Xu Qian, National University of Defense Technology, Professor; 2、Bin Wang, Xian Jiao Tong University, Professor; 3、Wansheng Wang, Shanghai Normal University, Professor	2026-08-23	Efficient Algorithms for Highly Oscillatory Systems: Construction, Theory, and Applications
TY-2026-C-044	1、Shitan Xu, Beijing University, Post-doctoral; 2、Rajesh Kulkarni, Michigan State University, Mathmatics, Professor; 3、Zhiyu Tian, Beijing University, Associate Professor	2026-08-23	Algebraic cycles and rationality
TY-2026-C-078	1、Fengyu Wang, Tianjin University, Professor; 2、Hao Tang, Tianjin University, Professor; 3、Diego Alonso-Orán, Universidad de La Laguna, Departamento de Análisis Matemático y Instituto de Matemáticas y Aplicaciones, Assistant Professor	2026-08-30	Nonlocality in Stochastic Evolutionary Systems
TY-2026-C-079	1、Tiejun Li, Beijing University, Professor; 2、Xiang Zhou, City University of Hong Kong, Associate Professor; 3、Xiaoli Chen, China University of GeosciencesAssociate Professor	2026-09-06	Frontiers in the Intersection of Stochastic Dynamical Systems and Machine Learning
TY-2026-C-088	1、Ruobing Zhang, UC San Diego, Math, Associate Professor; 2、Nan Li, City University of New York, Math, Professor; 3、Honda Shouhei, the University of Tokyo, Math, Professor	2026-09-13	Singularities in Differential Geometry

TY-2026-C-055	1、Liwei Xu, University Of Electronic Science And Technology Of China, Professor; 2、Jun Lei, Zhejiang University, Professor; 3、Tao Yin, Academy of Mathematics and Systems Science,CAS, Associate Researcher	2026-09-20	Workshop on wave scattering and inverse problems: theory, computation and applications
TY-2026-C-061	1、Ye Zhang, Shenzhen MSU-BIT University, Professor; 2、Congying Han, University of Chinese Academy of Sciences, Professor	2026-09-20	Model/Data/Knowledge-Driven Optimization and Inversion
TY-2026-C-007	1、Baohua Fu, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Wenchuan Hu, Sichuan University, Professor; 3、Jin Cao, University of Science and Technology Beijing, Associate Professor	2026-09-27	Motives, K-theory and related topics
TY-2026-C-017	1、Jiping Zhang, Beijing University, Professor; 2、Yanjun Liu, Jiangxi Normal University, Professor; 3、Xingzhong Xu, Hainan University, Professor	2026-10-04	Seminar on Group Representation and Related Mathematical Problems
TY-2026-C-054	1、Chengming Bai, Nankai University, Professor; 2、James Zhang, University of Washington, Professor; 3、Yanhong Bao, Anhui University, Professor	2026-10-11	International Conference on Operad Theory and Related Topics
TY-2026-C-071	1、Wenchao Xue, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Xiao Zhang, Beihang University, Professor; 3、Tiegang Liu, Beihang University, Professor	2026-10-18	New Advances in Intelligent Control, Game Theory and Scientific & Engineering Computing
TY-2026-C-050	1、Hanchun Yang, Yunnan University, Professor; 2、Weizhu Bao, National University of Singapore, Professor	2026-10-25	Seminar on the Theory and Computation of Partial Differential Equations
TY-2026-C-048	1、Tobias König, Institut für Mathematik, Goethe-Universität Frankfurt, Assistant Professor; 2、Xiangqing Liu, Yunnan Normal University, Professor	2026-10-25	Functional inequalities, their stability and related PDEs
TY-2026-C-095	1、Jie Song, Beijing University, Professor;	2026-11-01	Frontier Mathematical Problems in

	3、Zeyu Zheng, University of California Berkeley, IEOR, Associate Professor		Artificial Intelligence and Data Science
TY-2026-C-052	1、Xinan Ma, China Science & Technology University, Professor; 2、Quoc-Hung Nguyen, Academy of Mathematics and Systems Science,CAS, Associate Researcher ; 3、Guohuan Qiu, Academy of Mathematics and Systems Science,CAS, Associate Researcher	2026-11-08	Elliptic PDE workshop
TY-2026-C-064	1、Zhan Shi, Academy of Mathematics and Systems Science,CAS, Researcher ; 2、Yanxia Ren, Beijing University, Professor; 3、Hui He, Beijing Normal University, Professor	2026-11-15	Workshop on Branching Processes and Related Topics
TY-2026-C-037	1、Xiaoping Wang, The Chinese University of Hong Kong, Shenzhen, Professor; 2、Xianmin Xu, Academy of Mathematics and Systems Science,CAS, Researcher ; 3、Huangxin Chen, Xiamen University, Professor	2026-11-22	Modeling and simulation of complex free interface problems
TY-2026-C-049	1、Zhangxing Chen, Eastern Institute of Technology, Ningbo, Department of Chemical and Petroleum Engineering, Professor; 2、Yanping Lin, The Hong Kong Polytechnic University, Professor; 3、Jian Li, Shaanxi University of Science & Technology, Professor	2026-12-13	High performance calculation method for multi-physical coupling problems
TY-2026-C-053	1、Mengqi Zhang, National University of Singapore, Mechanical Engineering, Associate Professor; 2、Zhifei Zhang, Beijing University, Professor; 3、Zhiwu Lin, Fudan University, Professor	2026-12-20	Hydrodynamic instability: Mathematical principles and physical mechanisms
TY-2026-C-024	1、Jiajun Wang, Beijing University, Professor; 2、Yi Ni, California Institute of Technology, Professor; 3、Zhenkun Li, Academy of Mathematics and Systems Science,CAS, Associate Researcher	2026-12-27	Workshop on Gauge Theory