Workshop on Dynamics and Related Topics

(04–06 March 2025)

ORGANIZING COMMITTEE

Daren Wei
National University of Singapore

Venue

IMS Executive Seminar Room
Bock S17, Level 3
10 Lower Kent Ridge Rd Singapore 119076

For more information: https://ims.nus.edu.sg/events/dynamicstopics

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Tuesday, 4 March 2025

Time	Title	Speaker
0850–0900	Registration	
0900–0945	An Asymptotic Estimate of Extreme Value Laws for Horocycle Flows	Shucheng Yu *University of Science and Technology of China, China*
0945–1015	Tea Break	
1015–1100	Rigidity of Conditional Measures for Certain Skew Products	Changguang Dong *Nankai University, China*
1100–1115	Short Break	
1115–1200	On the Uniqueness of Equilibrium States for Geodesic Flows	Weisheng Wu *Xiamen University, China*
1200–1400	***Lunch Reception at IMS***	
1400–1445	Towards Reduction Theory Conjecture for Fuchsian Groups	Svetlana Katok *The Pennsylvania State University, USA*
1445–1515	Group Photo & Tea Break	
1515–1600	A Generalized Levy-Khintchine Theorem and a Conjecture of Y. Cheung	Anish Ghosh *Tata Institute of Fundamental Research, India*
1600–1610	Short Break	
1610–1655	Anisotropic Spaces and Nil-automorphisms	Minsung Kim *KTH Royal Institute of Technology, Sweden*
1700–1745	Long Curves and Random Hyperbolic Surfaces	James Farre *MPI MIS, Germany*

Wednesday, 5 March 2025

Time	Title	Speaker
0900–0945	Global Smooth Rigidity for Toral Automorphisms	Zhenqi Wang *Michigan State University, USA*
0945–1015	Tea Break	
1015–1100	Combining Rational maps and Kleinian Groups as Algebraic Correspondences	Sabyasachi Mukherjee *Tata Institute of Fundamental Research, India*
1100–1115	Short Break	

Wednesday, 5 March 2025		
Time	**Title**	**Speaker**
1115–1200	Local Rigidity of Certain Solvable Group Actions on Tori	Qiao Liu *Xiangtan University, China*
1200–1400	Lunch Break	
1400–1445	Some Properties of Entropy Zero Systems	Kyewon Koh Park *Ajou University, S. Korea*
1445–1615	Tea Break	
1615–1700	Punctured Torus Groups, Generalized Gauss Maps, and Billiards	Nhat Minh Doan *National University of Singapore, Singapore*

Thursday, 6 March 2025		
Time	**Title**	**Speaker**
1300–1345	Algebraic Dynamics and Recursive Inequalities	Junyi Xie Peking University, China
1345–1400	Short break	
1400–1445	Metrics and Reparameterizations for Hyperbolic Groups	Didac Martinez-Granado *University of Luxembourg, Luxembourg* *National University of Singapore, Singapore*
1445–1500	Short Break	
1500–1545	Patterson-Sullivan Measures for Relative Anosov Groups	Tengren Zhang *National University of Singapore, Singapore*
1545–1600	Short Break	
1600–1645	Length Spectrum Rigidity for Piecewise Analytic Bunimovich Stadia	Jianyu Chen *Soochow University, China*
1645–1700	Short Break	
1700–1745	(Anti-)classification results in Dynamical Systems and Ergodic Theory	Shilpak Banerjee *Indian Institute of Technology Tirupati, India*

This schedule is accurate as of 03 Mar 2025 and is subjected to changes.