The Second Symposium of Geometry and Statistics in China

January 7–10, Sanya

Sponsor
The Shanghai Institute for Mathematics
and Interdisciplinary Sciences
Venue
Tsinghua Sanya International Mathematics Forum

Registration   Past Events

Event Schedule

Wednesday, 8 January 2025

Time	Title	Speaker
08:50–09:00	Welcome Remarks	Zhigang Yao *National University of Singapore*
09:00–09:45	Sticky Flavors and Statistical Testing under Stickiness	Stephan Huckemann *University of Goettingen*
10:00–10:45	Inference for a Riemannian Ornstein-Uhlenbeck Process on Covariance Matrices	Yvo Pokern *University College London*
10:45–11:15	*Coffee Break*	
11:15–12:00	Manifold Fitting	Zhigang Yao *National University of Singapore*
12:00–14:00	*Lunch Break*	
14:00–14:45	A New Geometric Approach of Adaptive Neighborhood Selection for Classification	Michel Haddad *Queen Mary University of London*
14:45–15:15	*Coffee Break*	
15:15–16:00	Brain-inspired Sparse Training in Deep Artificial Neural Networks with Network Science Modeling via Cannistraci-Hebb Rule	Carlo Vittorio Cannistraci *Tsinghua University*
17:30–20:00	*Dinner*	

Thursday, 9 January 2025

Time	Title	Speaker
09:00–09:45	Directed Acyclic Graph-Informed Structure Learning from Multi-Dimensional Point Processes	Chunming Zhang *University of Wisconsin-Madison*
10:00–10:45	A Topological Perspective on the Space of All Samplings From a Manifold	Stephan Klaus *Mathematisches Forschungsinstitut Oberwolfach*
10:45–11:15	*Coffee Break*	
11:15–12:00	Quantifying molecular similarity via Gromov-Hausdorff distances	Wilderich Tuschmann *Karlsruher Institut für Technologie*
12:00–14:00	*Lunch Break*	
14:00–14:45	Embedding Distributional Data	Wanli Qiao *George Mason University*
14:45–15:15	*Coffee Break*	
15:15–16:00	Principal Decomposition with Nested submanifolds	Jiaji Su *National University of Singapore*
18:30–21:00	*Dinner Reception (by invitation only)*	

Friday, 10 January 2025

Time	Title	Speaker
09:00–09:45	Model-Assisted Uniformly Honest Inference for Optimal Treatment Regimes in High Dimension	Yunan Wu *Tsinghua University*
10:00–10:45	Manifold Fitting in the Analysis of Sequencing Data	Yukun Lu *National University of Singapore*
10:45–11:15	*Coffee Break*	
11:15–12:00	Cellscope: an Application of Manifold Fitting	Runyu Lin *National University of Singapore*
12:00–14:00	*Lunch Break*	
14:00–17:00	Free Discussion	
17:30–20:00	*Dinner*	

The schedule is accurate as of *December 23, 2024* and is subject to changes.