



The Second Symposium of Geometry and Statistics in China

January 11-12, Shanghai

Sponsor

The Shanghai Institute for Mathematics
and Interdisciplinary Sciences

Venue

Block A, International Innovation Plaza,
No. 657 Songhu Road, Yangpu District, Shanghai



Registration



Past Events

Event Schedule

| Saturday, 11 January 2025 | | |
|---------------------------|--|--|
| Time | Title | Speaker |
| 08:50–09:00 | Welcome Remarks | Zhigang Yao <i>National University of Singapore</i> |
| 09:00–09:45 | A Lower Bound for Estimating Fréchet Means | Stephan Huckemann <i>University of Goettingen</i> |
| 10:00–10:45 | Leveraging Large Models for Statistical Analysis | Jian Huang <i>Hong Kong Polytechnic University</i> |
| 10:45–11:15 | <i>Coffee Break</i> | |
| 11:15–12:00 | Interpretable High-Resolution Dimension Reduction of Spatial Transcriptomics Data by SpaHDmap | Ruibin Xi <i>Peking University</i> |
| 12:00–14:00 | <i>Lunch Break</i> | |
| 14:00–14:45 | COSCST Maps Spatial Coordinates in Single-cell Transcriptome and Cell Types in Spatial Transcriptome | Gang Hu <i>Nankai University</i> |
| 14:45–15:15 | <i>Coffee Break</i> | |
| 15:15–16:00 | Statistics on Complex Projective Space for Electron-Nuclear Double Resonance Spectroscopy | Yvo Pokern <i>University College London</i> |
| 16:15–17:00 | Fiducial Inference in Survival Analysis | Yifan Cui <i>Zhejiang University</i> |
| 18:00–21:00 | Dinner Reception (by invitation only) | |

| Sunday, 12 January 2025 | | |
|-------------------------|--|--|
| Time | Title | Speaker |
| 09:00–09:45 | Laplacian Manifold Learning Revisited | Wilderich Tuschmann <i>Karlsruher Institut für Technologie</i> |
| 10:00–10:45 | Continuous, Atlas-Free Modeling of Brain Structural Connectivity | Zhenwu Zhang <i>University of North Carolina at Chapel Hill</i> |
| 10:45–11:15 | <i>Coffee Break</i> | |
| 11:15–12:00 | SyNPar: A Data-Preservation Framework for High-Power False Discovery Rate Control in High-Dimensional Variable Selection | Jessica Li <i>University of California at Los Angeles</i> |
| 12:00–14:00 | <i>Lunch Break</i> | |
| 14:00–14:45 | On a Class of Linear Regression Methods | Ye Zhang <i>Shenzhen MSU-BIT University</i> |
| 14:45–15:15 | <i>Coffee Break</i> | |
| 15:15–16:00 | Overparametrized Gaussian Sequence Model Leads to Adaptivity | Qian Lin <i>Tsinghua University</i> |
| 16:15–17:00 | Sliced Inverse Regression with Large Structural Dimensions | Dongming Huang <i>National University of Singapore</i> |
| 17:30–20:00 | Dinner | |