

Frontiers of Statistical Network Analysis: Inference, Tensors and Beyond

Parametric and Nonparametric Network Inference
(19–23 May 2025)



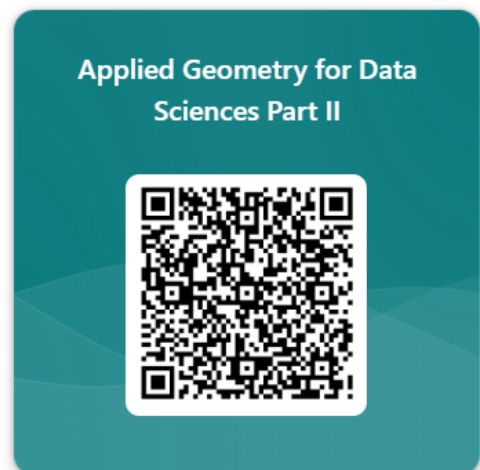
ORGANIZING COMMITTEE

Jialiang Li
National University of Singapore

Dong Xia
*Hong Kong University of Science and
Technology*

Yuan Zhang
Ohio State University

Scan QR code to register



Venue

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

For more information:

<https://ims.nus.edu.sg/events/frontiers-of-statistical-network-analysis-inference-tensors-and-beyond>

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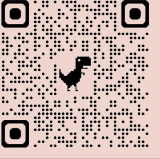
Monday, 19 May 2025

Location: LT 34

Time	Title	Speaker
0900–0925	Registration	
0925–0930	Opening Remarks	
0930–1030	Cointegration Between Two Intrinsically Stationary Spatial Processes	Qiwei Yao <i>London School of Economics and Political Science, UK</i>
1030–1045	Coffee Break	
1045–1145	Hyperbolic Network Latent Space Model with Learnable Curvature	Ji Zhu <i>University of Michigan, USA</i>
1145–1400	Lunch Break	
1400–1500	Statistical Analysis of Reciprocity	Chenlei Leng <i>The University of Warwick, UK</i>
1500–1515	Coffee Break	
1515–1615	Higher-order Accurate Two-sample Network Inference and Network Hashing	Yuan Zhang <i>Ohio State University, USA</i>

Tuesday, 20 May 2025

Time	Title	Speaker
0915–0930	Registration	
0930–1030	ATE-GL: Asymptotic Theory of Eigenvectors for Latent Embeddings with Generalized Laplacian Matrices	Jinchi Lv <i>University of Southern California, USA</i>
1030–1045	Group Photo & Coffee Break	
1045–1145	A Dynamic Network Autoregressive Model for Time-varying Network-link Data	Jingnan Zhang <i>University of Science and Technology of China, China</i>
1145–1400	Lunch Break	
1400–1500	Learning with Latent Group Sparsity via Diffusions on Networks	Subhroshekhar Ghosh <i>National University of Singapore, Singapore</i>

Wednesday, 21 May 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Modelling Non-Uniform Hypergraphs Using Determinantal Point Processes	Emma Jingfei Zhang <i>Emory University, USA</i>
1030–1045	Coffee Break	
1045–1145	Autoregressive Networks with Dependent Edges	Jinyuan Chang <i>Southwestern University of Finance and Economics, China</i>
1145–1400	Lunch Break	
1530	<u>Social Activity</u> Group tour to Marina Bay https://www.visitsingapore.com/neighbourhood/featured-neighbourhood/marina-bay/ 1-way transfer from Citadines Science Park to Gardens by the Bay Drop-off	

Thursday, 22 May 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	A Regression Framework for Studying Relationships among Attributes under Network Interference	Michael Schweinberger <i>The Pennsylvania State University, USA</i>
1030–1045	Coffee Break	
1045–1145	A Multilayer Probit Network Model for Community Detection with Dependent Layers	Dapeng Shi <i>Chinese University of Hong Kong, Hong Kong SAR</i>
1145–1400	Lunch Break	
1400–1500	Online Decision Making: Algorithm, Regret, Constraints and Uncertainty	Dong Xia <i>Hong Kong University of Science and Technology, Hong Kong SAR</i>

Friday, 23 May 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Learning Latent Features from Network Data	Christophe Giraud <i>Université Paris-Saclay, France</i>
1030–1045	Coffee Break	
1045–1145	Application and Methods for Structured Tensor Learning	Miaoyan Wang <i>University of Wisconsin-Madison, USA</i>

This schedule is accurate as of 16 May 2025 and is subjected to changes.