

Emerging New Topics in Functional Data Analysis (10 Jul 2023–21 Jul 2023)

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Speaker & Affiliation	Talk Title
Maryam Al Alawi Sultan Qaboos University, Oman	A New Functional Data Clustering Technique Based on Spectral Clustering and Downsampling
Rong Chen Rutgers University, USA	Functional Quantile Autoregression
Aurore Delaigle University of Melbourne, Australia	Analysing fragments of functional data
Sonja Greven Humboldt-Universität zu Berlin, Germany	Statistical methods for curves, shapes and forms
Tailen Hsing University of Michigan, USA	A functional-data perspective in spatial data analysis
Xuejun Jiang Southern University of Science and Technology, China	Estimation and inference for ultra-high dimensional quasi-likelihood models based on data splitting
Alois Kneip University of Bonn, Germany	Combining Concurrent and Functional Linear Regression
Kuang-Yao Lee Temple University, USA	Functional Directed Acyclic Graphs
Bing Li Pennsylvania State University, USA	Nonlinear function-on-function regression by RKHS
Cheng Li National University of Singapore, Singapore	Bayesian fixed-domain asymptotics for covariance parameters in spatial Gaussian process regression models
Yaguang Li University of Science and Technology of China, China	On Functional Processes with Multiple Discontinuities
Yehua Li University of California, Riverside, USA	Bayesian Spatially Varying Coefficient Models with Functional Predictors
Zhenhua Lin National University of Singapore, Singapore	Statistical Inference for Functional Data via Bootstrapping

Speaker & Affiliation	Talk Title
Shan Luo Shanghai Jiaotong University, China	A Portmanteau Local Feature Discrimination Approach to the Classification with High-dimensional Matrix-variate Data
Hans-Georg Müller University of California, Davis, USA	Modeling Distributional Time Series
David Nott National University of Singapore, Singapore	Gaussian variational approximation for high-dimensional state space models
Jian Qing Shi Southern University of Science and Technology, China University of Newcastle, UK	Wrapped Gaussian Process Functional Regression Model for Batch Data on Riemannian Manifold
Hanlin Shang Macquarie University, Australia	Detecting structural breaks in high-dimensional functional time series
Linda Tan National University of Singapore, Singapore	Efficient data augmentation techniques for some classes of state space models
Annie Qu University of California, Irvine, USA	Individualized Dynamic Model for Multi-resolutional Data
Di Wang Shanghai Jiaotong University, China	High-Dimensional Vector Autoregression with Common Response and Predictor Factors
Jane-Ling Wang University of California, Davis, USA	The trouble with sparse functional data
Lan Wang University of Miami, USA	Doubly Robust Quantile Off-policy Evaluation for Dynamic Data
Wanjie Wang National University of Singapore, Singapore	Temporal Ordering and Manifold Recovery on Noisy Data
Liming Xiang Nanyang Technological University, Singapore	Conditional Quasi-likelihood Inference for Mean Residual Life Regression with Clustered Failure Time Data
Daewon Yang Chungnam National University, Korea	Nonparametric Bayesian co-variate dependent multivariate functional clustering: an application to time-series data for multiple air pollutants
Qiwei Yao London School of Economics, UK	<i>Ng Kong Beng Public Lecture Series</i> Functional Data Analysis in Practice (Video)

Speaker & Affiliation	Talk Title
Anderson Zhang University of Pennsylvania, USA	Spectral Methods for Learning from Pairwise Comparisons
Anru Zhang Duke University, UK	Functional tensor SVD
Jin-Ting Zhang National University of Singapore, Singapore	A fast and accurate kernel-based independence test with applications to functional and high-dimensional data
Hang Zhou University of California, Davis, USA	Theory of functional principal components analysis for discretely observed data