THURSDAY 4 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
08:00am - 09:20am	REG	WH	Registration			
09:30am - 10:30am	PL01	OA122	Plenary Lecture #1, chair Howard Bondell	Ruth	Williams	Stochastic Analysis of Chemical Reaction Networks with Applications to Epigenetic Cell Memory
10:30am - 10:50am	BREAK	WH	Morning Tea			
10:50am - 12:30pm	DL04	OA122	Distinguished Lecture Session	Yasumasa	Matsuda	Fourier analysis of spatio-temporal data
			1 x 50 mins and 2 x 25 mins	Daisuke	Kurisu	Spatially dependent wild bootstrap for high-dimensional spatial data
			Chair: Hsin-cheng Huang	Yuichi	Goto	Integrated copula spectrum with applications to tests for time-reversibility and tail symmetry
10:50am - 12:30pm	DL03	EEBrown	Distinguished Lecture Session	Jaeyong	Lee	Post-processed posteriors for high-dimensional covariances
			1 x 50 mins and 2 x 25 mins	Kyoungjae	Lee	Consistent and scalable Bayesian joint variable and graph selection
			Chair: Howard Bondell	Kwangmin	Lee	Post-processed posteriors for sparse covariances
10:50am - 12:30pm	IP45	B106	"Recent Advances in Event History Analysis"	Ting	Li	Conditional Stochastic Interpolation: A New Approach to conditional sampling
			Organiser: (Tony) Jianguo Sun	Guohao	Shen	Nonparametric Estimation of Non-Crossing Quantile Regression Processwith Deep ReQU Neural Networks
			4 x 25 mins	Kin-Yat	Liu	Efficient Estimation for Functional Accelerated Failure Time Model
			Chair: Ting Li	Xingqiu	Zhao	Wasserstein GAN-based Estimation for Conditional Distribution Function with Current Status Data
10:50am - 12:30pm	IP05	B305	"Compositional data analysis: some new fresh approaches which avoid transforming the data"	Fiona	Sammut	Using Generalized Linear Models to Model Compositional Response Data
			Organiser: Janice Scealy	David	Firth	Statistical Analysis of Composition: Principles and Practice
			4 x 25 mins	Kassel	Hingee	Implementing Score Matching Estimators for Compositional Data and Other Manifold-Valued Data
			Chair: Janice Scealy	Janice	Scealy	Score matching for microbiome compositional data
10:50am - 12:30pm	IP04	OA107	"Statistical Learning"	Sebastian	Kuhnert	Estimating operators of linear and invertible processes in Hilbert spaces, with applications to functional ARMA processes
			Organiser: Jialiang Li	Jose	Angel Sanchez Gomez	Detecting hub variables in large Gaussian graphical models
			4 x 25 mins	Mei-Ling	Ting Lee	Neural Network for First-hitting-time Based Threshold Regression Model
			Chair: Jialiang Li	Wanjie	Wang	Temporal Ordering and Manifold Recovery on Noisy Data
10:50am - 12:30pm	IP40	OA239	"Recent Advances in Mathematical Analysis for Data Science"	Jun	Fan	Generalization analysis of deep ReLU networks for nonlinear functional regression
			Organiser: Xin Guo	Yiming	Ying	Generalization Analysis for Contrastive Representation Learning
			4 x 25 mins	Xin	Guo	Capacity dependent analysis for functional online learning algorithms
			Chair: Xin Guo			
10:50am - 12:30pm	IP54	AW153	"Analysis of data evolving with time"	Martin	Hazelton	Shrinkage estimators of the spatial relative risk function
			Organiser: Aurore Delaigle	Degui	Li	Estimating Covariance Functions for High-Dimensional Functional Time Series with Dual Factor Structures
			4 x 25 mins	Rob	Hyndman	Forecast reconciliation: a brief overview
			Chair: Aurore Delaigle	Jeroen	Rombouts	Monitoring Machine Learning Forecasts for Platform Data Streams
10:50am - 12:30pm	CP07	BG03	Contributed Paper Session	Jinming	Li	Statistical Inference on Latent Space Models for Network Data
			Chair: Subhrajyoty Roy	Subhrajyoty	Roy	rSVDdpd: A Robust Scalable Video Surveillance Background Modelling Algorithm
			5 x 20 mins	Takuya	Koriyama	Correcting generalized cross-validation for arbitrary ensembles of penalized estimators
				Satish	Kumar	A novel characterization of structures in smooth regression curves: from a viewpoint of persistent homology
				Guido	Consonni	Bayesian sample size determination for network structure learning
12:30pm - 1:30pm	BREAK	WH	Lunch			
1:30pm - 3:10pm	DL09	OA122	Distinguished Lecture Session	Jane-Ling	Wang	The Many faces of Functional Data: The Trouble with Sparse Functional Data
			1 x 50 mins and 2 x 25 mins	Hans-Georg	Mueller	Metric Statistics: Exploration of Random Objects With Distance Profiles
			Chair: Fang Yao	Kuang-Yao	Lee	Nonparametric functional graphical models
1:30pm - 3:10pm	DL01	B106	Distinguished Lecture Session	Siva	Athreya	Path convergence of Markov chains on large graphs
			1 x 50 mins and 2 x 25 mins	Qunqiang	Feng	Average Jaccard index of random graphs
			Chair: Min-ge Xie	Qingwei	Liu	Normal approximation of subgraph counts in the random-connection model
1:30pm - 3:10pm	IP01	B305	"Non-normal approximations and their applications"	Xiao	Fang	High-dimensional Central Limit Theorems by Stein's Method in the Degenerate Case
			Organiser: Lihu Xu	Adrian	Rollin	Statistical Applications of Centred Subgraph Counts in Statistical Network Analysis
			4 x 25 mins	Nathan	Ross	Gaussian random field approximation for wide neural networks
			Chair: Xiao Fang	Songhao	Liu	General Non-normal Approximation With Unbounded Exchangeable Pairs
1:30pm - 3:10pm	IP56	AW153	"Recent developments in Survival Analysis and Statistical Machine Learning"	Qiuzhuang	Sun	Optimal stopping with partially observable information
			Organiser: Xingqiu Zhao	Kin-Yau	Wong	Improving estimation efficiency for additive hazard models with varying coefficients
			4 x 25 mins	Yuchen	Wu	Posterior Sampling from the Spiked Models via Diffusion Processes
			Chair: Xingqiu Zhao	Wen	Su	Deep Nonparametric Inference for Conditional Hazard Function
1:30pm - 3:10pm	IP08	OA239	"Information Geometry and its Related Fields"	Hiroshi	Matsuzoe	Invariant dually flat structures on deformed exponential families
			Organiser: Tomonari Sei	Tomonari	Sei	Minimum information dependence model and its conditional inference
			4 x 25 mins	Yoshihiro	Hirose	LARS Algorithm in Tangent Space of Generalized Linear Models
			Chair: Tomonari Sei	Takeru	Matsuda	Wasserstein--Cramer--Rao inequality and robustness
1:30pm - 3:10pm	IP15	OA107	"Inference for partially observed structured dynamic systems"	Patricia (Ning)	Ning	Variable Target Scalable Particle Filter
			Organiser: Edward Ionides	Kevin	Tan	Accelerated Inference for Partially Observed Stochastic Processes with Automatic Differentiation
			4 x 25 mins	Edward	Ionides	An iterated block particle filter for inference on coupled dynamic systems
			Chair: Edward Ionides	Carles	Breto	Panel data analysis via mechanistic models
1:30pm - 3:10pm	IP20	EEBrown	"The Interplay Between Causal Inference and Statistical Learning"	Weining	Shen	Causal inference in soccer game analysis
			Organiser: Jiwei Zhao	Pan	Zhao	A Semiparametric Instrumented Difference-in-Differences Approach to Policy Learning
			4 x 25 mins	Yumou	Qiu	Inference for Treatment Effects on Many Derived Random Variables
			Chair: Jiwei Zhao	Jiwei	Zhao	Assumption Matters: A Semiparametric Analysis of the Average Treatment Effect on the Treated
1:30pm - 3:10pm	CP02	BG03	Contributed Paper Session	Jian	Wang	A Bayesian Hierarchical Monitoring Design for Single-Arm Phase II Cancer Clinical Trials
			Chair: Paul Kabaila	Jing	Ning	Enhancing Model Building and Estimating Method Selection: The Crucial Role of Conditional Independence Testing
			5 x 20 mins	Mingxuan	Cai	Cross-population fine-mapping by leveraging genetic diversity and accounting for confounding bias
				Paul	Kabaila	The two nested linear regressions testbed for assessing frequentist model averaged confidence intervals
				Christopher	Baker	GLM for partially pooled categorical predictors with a case study in biosecurity
3:10pm - 3:30pm	BREAK	WH	Afternoon Tea			

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Time	Code	Room	Session	First Name	Last Name	Title
3:30pm - 5:10pm	DL05	OA122	Distinguished Lecture Session	Kerrie	Mengersen	Dealing with Sensitive Data
			1 x 50 mins and 2 x 25 mins	Brodie	Lawson	Accessible Fisher-Rao Distances and Fréchet Means for the Multivariate Normals
			Chair: Judith Rousseau	David	Warne	Efficient parameter inference for expensive stochastic models using approximations and transformations
3:30pm - 5:10pm	IP28	B106	"Some recent developments in duration analysis with covariates"	Ross	Maller	The Use of Mixture Cure Model Methodology in Medical Applications
			Organiser: Yingwei Paul Peng/Ross Maller	Yingwei Paul	Peng	Nonparametric cure models
			4 x 25 mins	Alice	Richardson	The cure rate model in pharmaceutical regulation
			Chair: Yingwei Paul Peng	Shu-Kay Angus	Ng	Joint frailty modelling of time-to-event data with recurrent and terminal events
3:30pm - 5:10pm	IP41	B305	"Recent advances in statistical classification, ranking, and change-point detection"	Lucy	Xia	Non-splitting Neyman-Pearson Classifiers
			Organiser: Tiejun Tong	Weichen	Wang	Spectral Ranking Inferences Based on General Multiway Comparisons
			4 x 25 mins	Le	Zhou	Sparse Convoluted Rank Regression in High Dimensions
			Chair: Tiejun Tong	Heng	Peng	Automatic Change Point Detection and SegmentEstimation via Variational Bayesian Model Selection
3:30pm - 5:10pm	IP23	EEBrown	"Recent advances in Bayesian computation for complex models"	Nadja	Klein	Bayesian function selection in additive models with an application to time-to-event data
			Organiser: Nadja Klein/Matias Quiroz	Matias	Quiroz	A correlated pseudo-marginal approach to doubly intractable problems
			4 x 25 mins	David	Frazier	Reliable Bayesian Inference in Approximate and Misspecified Models
			Chair: Nadja Klein	Robert	Kohn	The Block-Correlated Pseudo Marginal Sampler for State Space Models
3:30pm - 5:10pm	IP47	AW153	"Markov chains and related topics"	Jun	Yang	Stereographic Barker's MCMC Proposal: Efficiency and Robustness at Your Disposal
			Organiser: Michael Choi	Geoffrey	Wolfer	Improved Estimation of Relaxation Time in Non-reversible Markov Chains
			4 x 25 mins	Sumeetpal	Singh	On the forgetting of particle filters
			Chair: Michael Choi	Michael	Choi	Markov chain entropy games and the geometry of their Nash equilibria
3:30pm - 5:10pm	CP11	OA107	Contributed Paper Session	Haoze	Hou	Non-parametric Estimation of General Heterogeneous Causal Effects with Covariate Measurement Error
			Chair: Yoshihiko Maesono	Yoshihiko	Maesono	Asymptotic properties of kernel type quantile estimators
			5 x 20 mins	Jiyang	Zhang	Nonparametric curve estimation in measurement error problems with conditionally heteroscedastic variances
				Dong	Luo	Semi-Supervised Estimation of Marginal Means: An Optimal Constrained Least Squares Approach
				Sangkon	Oh	Robust mixture of regressions with nonparametric symmetric errors
3:30pm - 5:10pm	CP15	BG03	Contributed Paper Session	Rami	Tabri	The Information Projection in Moment Inequality Models: Existence, Dual Representation, and Approximation
			Chair: Rami Tabri	Stephen	Muirhead	Persistence of stationary Gaussian fields with spectral singularity
			5 x 20 mins	Ayesha	Perera	Flexible functions: sinc versus cubic spline interpolation
				Yicheng	Zeng	Signal plus noise models in the log proportional regime: When does debiasing help?
				Paul	Mostert	Generalized compounding models using recursive quadrature approximation in a Bayesian setting

FRIDAY 5 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
08:30AM - 10:10AM	DL06	OA122	Distinguished Lecture Session	Annie	Qu	Individualized Dynamic Model for Multi-resolutional Data with Application of Mobile Health
			1 x 50 mins and 2 x 25 mins	Heping	Zhang	Use of mobile data to examine compliance in clinical trials
			Chair: Aurore Delaigle	Peter	Song	Learning digital features from wearable device data to advance mobile health
08:30AM - 10:10AM	IP50	B106	"Advances in the development and application of Bayesian nonparametrics models"	Peter	Mueller	Constructing synthetic control arms from real world data using nonparametric Bayesian common atoms models
			Organiser: Yuan Ji	Michele	Guindani	Semi-parametric local variable selection under misspecification
			4 x 25 mins	Yang	Ni	Graphical Dirichlet Process for Clustering Non-Exchangeable Grouped Data
			Chair: Jan Hannig	Yuan	Ji	PAM: Plaid Atoms Model for Bayesian Nonparametric Analysis of Grouped Data
08:30AM - 10:10AM	IP64	OA239	"Statistical methods for dimension reduction and high-dimensional regression"	Jing	Zeng	Robust Sliced Inverse Regression: Estimation and Optimality for Heavy-Tailed Data in High Dimensions
			Organiser: Hong Zhang	Liujun	Chen	Dimension Reduction for Extreme Tail Regression via Contour Projection
			4 x 25 mins	Baihua	He	Transfer Learning by Optimal Model Averaging for Censored Data
			Chair: Hong Zhang	Zhanfeng	Wang	Estimation and model selection for nonparametric function-on-function regression
08:30AM - 10:10AM	IP18	OA107	"Recent Progress in Statistics Analysis of Random Field Models"	David	Bolin	Statistical modeling of data on metric graphs
			Organiser: Yimin Xiao	Cheuk	Yin Lee	Strong local nondeterminism for a class of fractional SPDEs
			4 x 25 mins	Yimin	Xiao	Some Recent Results on Multivariate Gaussian Random Fields
			Chair: Yimin Xiao	Saifei	Sun	Fixed-domain asymptotics for Gaussian random fields
08:30AM - 10:10AM	IP29	B305	"Current Topics in Statistical Analysis of High Dimensional Genomic Data"	Geoffrey	McLachlan	The detection of differentially expressed genes via cluster-specific contrasts of mixed effects
			Organiser: Somnath Datta	Tapabrata	Maiti	Error Controlled Feature Selection for Ultrahigh Dimensional and Highly Correlated Feature Space Using Deep Learning
			4 x 25 mins	Subharup	Guha	A zero-inflated Bayesian nonparametric approach for identifying differentially abundant taxa in multigroup microbiome data with covariates
			Chair: Somnath Datta	Somnath	Datta	A pseudo-value regression approach for differential network analysis of co-expression data
08:30AM - 10:10AM	IP38	AW153	"Statistical theory for deep learning"	Peter	Bartlett	In-Context Learning Linear Models with Transformers
			Organiser: Susan Wei	Sophie	Langer	The Role of Statistical Theory in Understanding Deep Learning
			4 x 25 mins	Masaaki	Imaizumi	Statistical Analysis on Generalization Ability of In-Context Learning
			Chair: Susan Wei	Dino	Sejdinovic	Squared Neural Families of Tractable Densities and Intensities
08:30AM - 10:10AM	CP14	BG03	Contributed Paper Session	Kanta	Naito	Simultaneous Confidence Region of an Embedded One-Dimensional Curve in Multi-Dimensional Space
			5 x 20 mins	Natsumi	Makigusa	Nonlinear support vector regression with penalized likelihood
			Chair: Kanta Naito	Hyeok Kyu	Kwon	Minimax optimal density estimation using a shallow generative model with a one-dimensional latent variable
				Hui	Zhang	Unbiased and Robust Analysis of Co-localization in Super-resolution Microscope Images
08:30AM - 10:10AM	CP08	OA224	Contributed Paper Session	Yuto	Miyatake	Modelling the discretization error of initial value problems using the Wishart distribution
			Chair: Xuan Liang	Xuan	Liang	Covariance Regression for Panel Data with Fixed Effects
			5 x 20 mins	Fan	Wang	Multilayer random dot product graphs: Estimation and online change point detection
				Wei	Li	Sufficient dimension reduction in the presence of non-ignorable missing covariates
10:10AM - 10:30AM	BREAK	WH	Morning Tea			
10:30AM - 11:30AM	PL02	OA122	Plenary Lecture, chair: Aurore Delaigle	Jianqing	Fan	Factor Augmented Sparse Throughput Deep ReLU Neural Networks for High Dimensional Regression
11:30AM - 12:30PM	PL03	OA122	Plenary Lecture, chair: Minge Xie	Bin	Yu	Seeking Boolean Interactions in Practice and Theory
12:30PM - 1:50PM	BREAK	WH	Lunch			
1:50PM - 3:30PM	DL10	OA122	Distinguished Lecture Session	Qiman	Shao	Self-Normalized Cramer Type Moderate Deviation Theorem For Gaussian Approximation
			1 x 50 mins and 2 x 25 mins	Dennis	Leung	Berry-Esseen bounds for Studentized U-statistics
			Chair: Aihua Xia	Zhuosong	Zhang	Berry–Esseen bounds for Generalized U-statistics
1:50PM - 3:30PM	IP03	OA239	"Rare events, risk and zero-one laws"	Gennady	Samorodnitsky	Do large deviations cluster? If yes, how?
			Organiser: Arijit Chakrabarty	Thomas	Mikosch	Ratios of homogeneous functionals acting on a heavy-tailed time series
			4 x 25 mins	Moumanti	Podder	Bond percolation games and their generalizations on rooted Galton-Watson trees
			Chair: Gennady Samorodnitsky	Arijit	Chakrabarty	Inhomogeneous Erdős-Rényi random graphs: bulk and edge of the spectrum
1:50PM - 3:30PM	IP60	EEBrown	"Advancements in Geostatistical Analysis: From Earth to Space"	Noel	Cressie	WOMBAT: Bayesian Inference on Carbon-Dioxide Surface Fluxes from Satellite Data
			Organiser: Hsin-Cheng Huang	Francisco	Juan Mandujano Reyes	Spatio-temporal dynamic modeling of wildlife disease data
			4 x 25 mins	Tingjin	Chu	A geostatistical analysis of metallicity variations in galaxies
			Chair: Hsin-Cheng Huang	Nan-Jung	Hsu	Estimation of Nonstationary Space Deformation Using Affine Coupling
1:50PM - 3:30PM	IP06	AW153	"Recent Developments of Statistical Methods for Microbiome Research"	Hongzhe	Li	Statistical Methods for Quantifying Microbial Community Stability and its Association with Host Phenotypes
			Organiser: Gen Li	Kim-Anh	Le Cao	Managing batch effects in microbiome data
			4 x 25 mins	Lei	Liu	A flexible quasi-likelihood model for microbiome abundance count data
			Chair: Tianying Wang	Tianying	Wang	A Semiparametric Quantile Single-Index Model for Microbiome Sequencing Count Data
1:50PM - 3:30PM	IP09	OA107	"Machine Learning Methods for Electronic Health Record Data Analysis"	Rebecca	Hubbard	Classical and machine learning imputation approaches to missing data in electronic health records-based studies
			Organiser: Baiming Zou	Jian	Kang	Optimizing Medical Decision-Making with Reinforcement Learning
			4 x 25 mins	Lana	Garmire	Deep learning-based prognosis models accurately predict the time to delivery among preeclampsia patients using electronic health record
			Chair: Fei Zou	Baiming	Zou	A Deep Neural Network Two-part Model and Feature Importance Test for Semi-continuous Data

FRIDAY 5 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
1:50PM - 3:30PM	IP07	B106	"Bayesian methods for detecting key features in complex applications"	Michael	Zhang	Bayesian Non-linear Latent Variable Modeling via Random Fourier Features
			Organiser: Subhashis Ghoshal	Anindya	Roy	Bayesian Graph Estimation Under Causal Vector Autoregressive Time Series
			4 x 25 mins	Seonghyun	Jeong	Synergizing Roughness Penalization and Basis Selection in Bayesian Spline Regression
			h	Subhashis	Ghoshal	Optimal Bayesian Smoothing of Functional Observations over a Large Graph
1:50PM - 3:30PM	IP44	BG03	"Advances in Survival Analysis"	Aishwarya	Bhaskaran	Accelerated failure time models under partly interval censoring and time-varying covariates
			Organiser: Jun Ma	Youngjo	Lee	On the Statistical Foundations of H-likelihood for Unobserved Random Variables
			4 x 25 mins	Il Do	Ha	Deep Neural Networks for Semi-parametric Frailty Models
			Chair: Jun Ma	Yunwei	Zhang	Evaluation of the impact of left-censoring on the validity of time-dependent propensity score matching method
1:50PM - 3:30PM	IP35	B305	"Recent development in Causal Inference"	Zheng	Zhang	Causal Quantile Regression for A Continuous Treatment with A Diverging Number of Confounders
			Organiser: Wei Huang (UoM)	Mingming	Gong	Counterfactual Fairness with Partially Known Causal Graph
			4 x 25 mins	Shuo	Li	Estimation and Inference for Extreme Continuous Treatment Effects
			Chair: Wei Huang (UoM)	Lin	Liu	High-dimensional semiparametric learning under minimal sparsity conditions
1:50PM - 3:30PM	CP03	OA224	Contributed Paper Session	Ye	Yuan	Tropospheric formaldehyde levels infer ambient formaldehyde-induced brain diseases and global burden in China, 2013–2019
			Chair: Monitirtha Dey	Jaehee	Kim	Dynamic Functional Connectivity Change-Point Detection with Random Matrix Theory Inference for Brain Network Data
			5 x 20 mins	Biswadeep	Ghosh	Parametric Analysis of Bivariate Current Status data with Competing risks using Frailty models
				Monitirtha	Dey	On Limiting Behaviors of Stepwise Multiple Testing Procedures
				Kanae	Takahashi	Statistical inferences for the F1-score of multi-label classification
3:30PM - 3:50PM	BREAK	WH	Afternoon Tea			
3:50PM - 5:30PM	DL08	OA122	Distinguished Lecture Session	Judith	Rousseau	I Semi-parametric inference : A Bayesian curse?
			1 x 50 mins and 2 x 25 mins	Edwin	Fong	Predictive Bayesian Inference with the Martingale Posterior
			Chair: Kerrie Mengersen	Susan	Wei	Singular learning theory perspective on variational Bayesian neural networks
3:50PM - 5:30PM	IP39	B305	"Statistical inference for branching processes"	Carmen	Minuesa	ABC methodology for inference on the maximal offspring and parameters in controlled branching processes
			Organiser: Peter Braunsteins	Peter	Braunsteins	Consistent estimation for population-size-dependent branching processes
			4 x 25 mins	James	Kerlidis	Linking Population-Size-Dependent and Controlled Branching Processes
			Chair: Sophie Hautphenne	Sophie	Hautphenne	Consistent estimation in subcritical birth-and-death processes
3:50PM - 5:30PM	IP26	OA239	"Recent developments on combinatorial stochastic processes"	Nobuaki	Hoshino	A Bell polynomial process
			Organiser: Takeru Matsuda	Shuhei	Mano	A measure-on-graph-valued diffusion: a particle system with collisions and its applications
			4 x 25 mins	Takuya	Koriyama	Asymptotic analysis of parameter estimation for the Ewens–Pitman Partition
			Chair: Takeru Matsuda			
3:50PM - 5:30PM	IP43	OA107	"Emerging opportunities in omics data and longitudinal/functional data analysis"	Kun	Huang	Identify Alzheimer's disease subtypes and markers from multi-omic data of human brain and blood using subspace merging approach
			Organiser: Di Wu	Fei	Zou	Advanced Learning Algorithms for Genetics and Genomics Data
			4 x 25 mins	Ying	Zhang	clusterMLD: An Efficient Clustering Method for Multivariate Longitudinal Data
			Chair: Ke Deng	Ke	Deng	Model-Based Spatial Reconstruction of Large-Scale Biomolecules via Bayesian Inference of a Hierarchical Spatial Model
3:50PM - 5:30PM	IP46	AW153	"New Techniques for Analyzing Big Data"	Juan	Hu	A Unified Approach to Variable Selection for Partially Linear Models
			Organiser: Yichao Wu	Juhyun	Park	Geometric functional data analysis for multivariate curves
			4 x 25 mins	Peter	Radchenko	A Discrete Optimization Approach to Learning with Categorical Variables
			Chair: Juan Hu	Cun-Hui	Zhang	Adaptive Inference in Sequential Experiments
3:50PM - 5:30PM	IP52	B106	"Advances in inference for multivariate and high dimensional data"	Karim	Seghouane	Joint Approximate Partial Diagonalization of Large Matrices
			Organiser: Aurore Delaigle	Debashis	Paul	Spectral behavior of sequential sample covariances under a spiked model
			4 x 25 mins	Linh	Nghiem	Random efffect sufficient dimension reduction for clustered data
			Chair: Aurore Delaigle	Gery	Geenens	Universal copulas
3:50PM - 5:30PM	IP68	EEBrown	"Recent Advances in Statistical and Machine Learning"	Johannes	Schmidt-Heiber	Statistical learning in biological neural networks
			Organiser: Jianqing Fan	Michael	Kohler	Learning of deep network classifiers via gradient descent and over-parametrization
			4 x 25 mins	Haofeng	Wang	Empirical likelihood ratio tests for non-nested model selection based on predictive losses
			Chair: Jianqing Fan			
3:50PM - 5:30PM	CP12	BG03	Contributed Paper Session	Anik	Roy	A Control Chart For Online Shape Monitoring In Image Data
			Chair: Jiangrong Ouyang	Chieh-An	Chou	Finite Difference Spatial Spline for Big Data
			5 x 20 mins	Yulin	Zhang	Semiparametric Estimation of Continuous Treatment Effect on the Treated by Balancing Index Moments
				Masayuki	Henmi	Infinite-dimensional information geometry for semiparametric statistics
				Jiangrong	Ouyang	Bayesian analysis of longitudinal data via empirical likelihood
7:00PM - 10:00PM	BANQUET		Conference Dinner at Melbourne Museum			

SATURDAY 6 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
08:30AM - 10:10AM	DL07	OA122	Distinguished Lecture Session	Liza	Levina	Latent space models for multiplex networks
			1 x 50 mins and 2 x 25 mins	Tianxi	Li	Network comparison by multivariate moment inference
			Chair: Jialiang Li	Jesus	Arroyo	Learning Joint and Individual Structure in Network Data with Covariates
08:30AM - 10:10AM	IP24	AW153	"Statistical inference for non-standard data and complex models"	Ming-Yen	Cheng	Statistical analysis of dependent, high dimensional and massive data
			Organiser: Young Kyung Lee	Jeong Min	Jeon	Density estimation on Lie groups in the presence of measurement error without auxiliary data
			4 x 25 mins	Kyunghee	Han	Testing linear operator constraints in functional response regression with incomplete response functions
			Chair: Kyusang Yu	Seong Jun	Yang	Cure models with time-varying coefficients in hazards
08:30AM - 10:10AM	IP13	B305	"Statistical Analysis of Network Data"	Ruijian	Han	A unified analysis of likelihood-based estimators in the Plackett–Luce model
			Organiser: Binyan Jiang	Tao	Zou	A Mutual Influence Model for Two-Mode Network Data
			4 x 25 mins	Fangyi	Wang	Distribution-Free Matrix Prediction Under Arbitrary Missing Pattern
			Chair: Binyan Jiang	Binyan	Jiang	A two-way heterogeneity model for dynamic networks
08:30AM - 10:10AM	IP34	B106	"The recent development in spatio-temporal modelling"	ShengLi	Tzeng	Robust Stationarity Testing and Contiguous Segmentation for Spatial Data
			Organiser: Tingjin Chu	Jaehong	Jeong	Analysis of East Asia Wind Vectors Using Space-Time Cross-Covariance Models
			4 x 25 mins	Hsin-Cheng	Huang	Fast Spatial Prediction for Nonstationary Processes with a Divide-and-Conquer Strategy
						Discovering optimally representative dynamical locations (ORDL) in big multivariate spatiotemporal data: a case study of precipitation in Australia from
			Chair: Tingjin Chu	Guoqi	Qian	space to ground sensors
08:30AM - 10:10AM	IP62	OA239	"New development of statistical learning in data science"	Yanyan	Liu	Sparse LearningVia a Novel Penalty and a Fast Solver
			Organiser: Yuehan Yang	Rui	Pan	Large-scale Multi-layer Academic Networks Derived from Statistical Publications
			4 x 25 mins	Jialiang	Li	Autoregressive Networks
			Chair: Yuehan Yang	Yuehan	Yang	Randomization-based Joint Central Limit Theorem and Efficient Covariate Adjustment in Randomized Block 2K Factorial Experiments
08:30AM - 10:10AM	IP30	EEBrown	"Recent Advances in Approximate and Generalized Bayesian methods"	Imke	Botha	Component-wise iterative ensemble Kalman inversion for static Bayesian models with unknown measurement error covariance.
			Organiser: David Frazier	Ruben	Loaiza-Maya	Efficient variational approximations for state space models
			4 x 25 mins	Takuo	Matsubara	Hamiltonian Dynamics of Bayesian Inference Formalised by Arc Hamiltonian Systems
			Chair: David Frazier	Minh-ngoc	Tran	Natural gradient Variational Bayes without matrix inversion
08:30AM - 10:10AM	IP59	OA107	"Statistical Learning in Nonstandard Situations"	Byungwon	Kim	Compositional data analysis by the square-root transformation: Application to NBA USG% data
			Organiser: Seung Jun Shin	Jun	Song	Advances in functional predictor selection with its nonasymptotic bounds
			4 x 25 mins	Kyongwon	Kim	On Modeling after Dimension Reduction
			Chair: Minwoo Chae	Seung	Jun Shin	Variable Selection in AUC-optimizing Classification
08:30AM - 10:10AM	CP10	OA224	Contributed Paper Session	Masanari	Kimura	Equivalence of Geodesics and Importance Weighting from the Perspective of Information Geometry
			Chair: Edmund Lau	Matthew	Shen	Introducing GutGPT: An AI Chatbot to Provide Interpretable and Context-Guided Risk Assessment for Patients with Gastrointestinal Bleeding
			5 x 20 mins	Selina	Drews	Analysis of the expected L2 error of an over-parametrized deep neural network estimate learned by gradient descent without regularization
				Edmund	Lau	Quantifying degeneracy in singular models via the learning coefficient
				Mongju	Jeong	Exploring Spatial Dynamics in Regression Coefficients: A Bayesian Regularization Method with Clustering
08:30AM - 10:10AM	CP19	BG03	Contributed Paper Session	Hisayuki	Hara	FAVAR Model with Instantaneous Effects and Its Identifiability
			Chair: Dongming Huang	LuYi	Shen	Online Hybrid Neural Network for Stock Price Prediction: A Case Study of High-Frequency Stock Trading in the Chinese Market.
			5 x 20 mins	Dongming	Huang	Sliced Inverse Regression with Large Structural Dimensions
				Shuya	Nagayasu	Generalization Error of Bayesian Deep Neural Network with non analytic activation function
				Seeun	Park	Combined quantile forecasting for high-dimensional non-Gaussian data
10:10AM - 10:30AM	BREAK	WH	Morning Tea			
10:30AM - 12:10PM	DL13	OA122	Distinguished Lecture Session	Lixing	Zhu	Change point detection for tensors with heterogeneous slices
			1 x 50 mins and 2 x 25 mins	Zhou	Yu	Deep Nonlinear Sufficient Dimension Reduction
			Chair: Ming-Yen Cheng	Dong	Xia	Multiple Testing of Linear Forms for Noisy Matrix Completion
10:30AM - 12:10PM	IP58	B305	"Statistical Inference of Network and Dependent Data"	Jing	Lei	Recent Advances in Tensor and Dynamic Stochastic Block Models
			Organiser: Somabha Mukherjee	Anderson	Zhang	Fundamental Limits of Spectral Clustering in Stochastic Block Models
			4 x 25 mins	Bhaswar	Bhattacharya	Higher-Order Graphon Theory: Fluctuations and Inference
			Chair: Somabha Mukherjee			
10:30AM - 12:10PM	IP21	EEBrown	"Recent Advances on Functional and Complex Data Analysis"	Ji	Zhu	A Latent Space Model for Hypergraphs with Diversity and Heterogeneous Popularity
			Organiser: Zhenhua Lin	Lijia	Wang	Local perspectives in latent space social networks
			4 x 25 mins	Zhigang	Yao	Manifold Fitting
			Chair: Zhenhua Lin	Haozhen	Shu	Simultaneous Inference for functional data by bootstrap.
10:30AM - 12:10PM	IP02	AW153	"Gradient Descent and its Statistical Theory"	Yingqiu	Zhu	Automatic, Dynamic, and Nearly Optimal Learning Rate Specification via Local Quadratic Approximation
			Organiser: Hansheng Wang	Haobo	Qi	Statistical Analysis of Fixed Mini-Batch Gradient Descent Estimator
			4 x 25 mins	Yuan	Gao	An Asymptotic Analysis of Random Partition Based Minibatch Momentum Methods for Linear Regression Models
			Chair: Yingqiu Zhu	Shuyuan	Wu	Network Gradient Descent Algorithm for Decentralized Federated Learning
10:30AM - 12:10PM	IP11	B106	"Point processes: asymptotics and applications"	J. E.	Yukich	Limit theory for statistics of dynamic spatial random models
			Organiser: Aihua Xia	Leoni Carla	Wirth	Metric-based methods for point processes and random graphs
			4 x 25 mins	Gopalan	Nair	Analysing point patterns on a linear networks
			Chair: Aihua Xia	Nicolas	Privault	Moments of point processes
10:30AM - 12:10PM	IP17	OA239	"Statistical inference for stochastic processes and YUIMA package"	Nakahiro	Yoshida	Asymptotic expansion for batched bandits
			Organiser: Kengo Kamatani	Masayuki	Uchida	Parameter estimation for discretely observed linear parabolic SPDEs in two space dimensions with small noises
			4 x 25 mins	Hiroki	Masuda	Asymptotics and computation for robust Gaussian quasi-likelihood inference
			Chair: Kengo Kamatani	Emanuele	Guidotti	Asymptotic expansion formulas for diffusion processes based on the perturbation method
10:30AM - 12:10PM	IP10	OA107	"A High-Dimensional Multivariate Statistics and Their Advances"	Yongho	Jeon	Trace Ratio Optimization for High-Dimensional Multi-Class Discrimination
			Organiser: Johan Lim	Long	Feng	Sparse Kronecker product decomposition: a general framework of signal region detection in image regression
			4 x 25 mins	Gunwoong	Park	Optimal Approach for Sub-Gaussian Linear Structural Equation Models
			Chair: Johan Lim	Seongoh	Park	Testing correlation structure of matrix-variate data
10:30AM - 12:10PM	IP53	G03	"Recent developments in large-scale and massive data analysis"	Haojie	Ren	BASED: Bias-amended Semi-supervised Distribution Learning
			Organiser: Liuhua Peng	Nan	Zou	Statistical inference with optimal sampling: When does it work?
			4 x 25 mins	Pavel	Krupskiy	On factor copula-based mixed regression models
			Chair: Liuhua Peng	Liuhua	Peng	Distributed inference for two-sample U-statistics in massive data analysis
10:30AM - 12:10PM	CP01	OA224	Contributed Paper Session	Wataru	Urasaki	Geometric mean type of proportional reduction in variation measure for two-way contingency tables
			Chair: Zhendong Huang	Arijit	Pyne	Robust and Efficient Estimation in Ordinal Response Models using the Density Power Divergence
			5 x 20 mins	Ha-Young	Shin	Quantiles on global non-positive curvature spaces
				Zhendong	Huang	Estimating evolutionary and demographic parameters using succinct tree sequences
12:10PM - onwards	Excursions/Collaborative Time					

SUNDAY 7 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
08:30AM - 10:10AM	DL12	OA122	Distinguished Lecture Session	Fang	Yao	Theory of FPCA for discretized functional data
			1 x 50 mins and 2 x 25 mins	Zhenhua	Lin	Statistical Inference for Functional Data via Bootstrapping
			Chair: Hans-Georg Mueller	Ying	Yang	Online Estimation for Functional Data
08:30AM - 10:10AM	IP36	B106	"Recent Advances in Statistical Network Analysis with Applications"	Yang	Feng	Robust Unsupervised Multi-task and Transfer Learning on Gaussian Mixture Models
			Organiser: Ji Zhu	Junhui	Wang	Adaptive Merging and Efficient Estimation in Longitudinal Networks
			4 x 25 mins	Jean	Yang	Identification of network biomarkers with cross-platform omics prediction
			Chair: Ji Zhu			
08:30AM - 10:10AM	IP65	AW153	"Advances in Biostatistics"	Liming	Xiang	Analysis of competing risks data with covariates subject to detection limits
			Organiser: Jialiang Li	Yan Shuo	Tan	The Computational Curse of Big Data for Bayesian Additive Regression Trees: A Hitting Time Analysis
			4 x 25 mins	James	Chun Yin Lee	Survival analysis with a random change-point
			Chair: Yuehan Yang	Yu	Gu	A powerful transition model to assess treatment effect in COVID-19 clinical trials
08:30AM - 10:10AM	IP12	B305	"Bayesian and Nonparametric Inference for Complex Data"	Minwoo	Chae	Structured distribution estimation via generative adversarial networks
			Organiser: Taeyoung Park	Chanmin	Kim	A Bayesian Nonparametric Approach for Confounder Selection and Causal Estimation in High-Dimensional Observational Studies
			4 x 25 mins	Seongil	Jo	Scalable and optimal Bayesian inference for sparse covariance matrices via screened beta-mixture prior
			Chair: Taeyoung Park	Cheng	Li	Bayesian Fixed-Domain Asymptotics for Covariance Parameters in Spatial Gaussian Process Regression Models
08:30AM - 10:10AM	IP16	OA239	"Asymptotic Theory in High-Dimensional Spatiotemporal Data Analysis"	Mengxi	Yi	Robust Regularized Covariance Matrix Estimation
			Organiser: Yan Liu	Koji	Tsukuda	Asymptotic distribution of the trace of the products of four high-dimensional Wishart matrices and its application
			4 x 25 mins	Zeqin	Lin	Asymptotic distribution of spiked eigenvalues in the large signal-plus-noise model
			Chair: Yan Liu	Kou	Fujimori	Empirical likelihood methods for matrix-valued time series with long memory
08:30AM - 10:10AM	IP32	EEBrown	"Singular Stochastic Differential Equations"	Yingchao	Xie	Asymptotic Behavior of Slow-Fast Stochastic Differential Equations
			Organiser: Xicheng Zhang	Jian	Wang	Schr\"{o}dinger operators with with decaying potentials
			4 x 25 mins	Wei	Liu	Well-posedness and Asymptotics of MVSPDEs
			Chair: Xicheng Zhang	Xicheng	Zhang	SDEs with supercritical distributional drifts
08:30AM - 10:10AM	CP09	OA107	Contributed Paper Session	Xiaocong	Xu	The distribution of ridgeless least squares interpolators
			Chair: Yinan Lin	Yinan	Lin	Logistic Regression and Classification with non-Euclidean Covariates
			5 x 20 mins	Moonsoo	Jang	A finely tuned deep transfer learning algorithm to compare outsole images
				Aoqi	Zuo	Counterfactual Fairness with Partially Known Causal Graph
				Arvind Kumar	Nath	L\'evy Flows and associated Stochastic PDE's
10:10AM - 10:30AM	BREAK	WH	Morning Tea			
10:30AM - 12:10PM	DL11	OA122	Distinguished Lecture Session	Yingcun	Xia	Ensemble Projection Pursuit for General Nonparametric Regression
			1 x 50 mins and 2 x 25 mins	Effie	Bura	[Abstract and title to come]
			Chair: Yata Kazuyoshi	Qian	Lin	The Optimality of Wide Neural Network in Large Dimensions
10:30AM - 12:10PM	IP19	EEBrown	"Misspecification-robust Bayesians"	Renate	Meyer	Bayesian nonparametric spectral analysis of locally stationary processes
			Organiser: Christopher Drovandi	Chaya	Patabedi Muhamdiramalage	ABC-based Forecasting in State Space Models (joint work with Ruben Loaiza-Maya, Gael M. Martin, and David T. Frazier)
			4 x 25 mins	Ryan	Kelly	Misspecification-robust Sequential Neural Likelihood for Simulation-based Inference
			Chair: David Frazier	Shunan	Yao	Median of Means Principle for Bayesian Inference
10:30AM - 12:10PM	IP37	B106	"Innovations on Time-Varying data, Network and Related "	Yuehaw	Khoo	Randomized linear algebra for statistical problems
			Organiser: Wanjie Wang	Yifan	Cui	Instrumental variable estimation of the marginal structural Cox model for time-varying treatments
			4 x 25 mins	Weichi	Wu	A Random Graph-based Autoregressive Model for Networked Time Series
			Chair: Wanjie Wang	Jingnan	Zhang	A stochastic block Ising model for multi-layer networks with inter-layer dependence
10:30AM - 12:10PM	IP22	B305	Statistical Inference	Berwin	Turlach	Extreme value copulas
			Organiser: Howard Bondell	Qihua	Wang	A robust fusion-extraction procedure with summary statistics in the presence of biased sources
			4 x 25 mins	Junichi	Hirukawa	Innovation algorithm of fractionally integrated (I(d)) process and applications on the estimation of parameters
			Chair: Berwin Turlach			
10:30AM - 12:10PM	IP31	OA239	"Recent advances in multivariate analysis"	Tomoyuki	Nakagawa	On Robustness against outliers Bayesian estimation via γ-divergence
			Organiser: Shinpei Imori	Takahiro	Onizuka	Spatio-temporal additive model via spatial clustering and the application for the body condition analysis of common minke whales (Balaenoptera acutor
			4 x 25 mins	Tomotaka	Momozaki	Semiparametric Copula Estimation for Spatially Correlated Multivariate Mixed Outcomes
			Chair: Shinpei Imori	Shinpei	Imori	On classification problem based on Fréchet distance with auxiliary variables
10:30AM - 12:10PM	IP14	AW153	Recent Advances in Variational and Approximate Bayesian Inference	Pierre	Alquier	Rates of convergence in Bayesian meta-learning
			Organiser: Cheng Li	Ilsang	Ohn	Adaptive variational Bayes: Optimality, computation and applications
			4 x 25 mins	Weichang	Yu	Approximate Bayesian Empirical Likelihood Posterior Computation through Variational Inference
			Chair: Cheng Li	Tong T.	Xin	Sampling with constraints using variational methods
10:30AM - 12:10PM	CP17	OA107	Contributed Paper Session	Lyuyuan	Zhang	Periodogram regression, a two stage mixed effects approach for modelling multiple integer-valued time series of tropical cyclone frequency
			Chair: Changxiong Chi	Xindong	Zhao	The Best ARMA Model Group Selection and Combined Forecasting Based on Kullback-Leibler Information
			5 x 20 mins	Thanawan	Prahadchai	Regional Frequency Analysis Based on Non-stationarity of Extreme Rainfall in South Korea
				Changxiong	Chi	Hill's estimator for the tail index of an ARFIMA model under heavy-tailed heteroscedastic noises
				Ryota	Yabe	Dickey–Fuller type test for moving average unit root
12:10PM-1:30PM	BREAK	WH	Lunch			

SUNDAY 7 JANUARY 2024

Time	Code	Room	Session	First Name	Last Name	Title
1:30PM - 3:10PM	DL02	OA122	Distinguished Lecture Session	Hsien-Kuei	Hwang	Partition statistics: 10 elementary asymptotic expansions for Stirling numbers of the second kind (with a historical account)
			1 x 50 mins and 2 x 25 mins	Michael	Fuchs	Gene-tree statistics: moments and limit laws for ancestral configurations
			Chair: Minge Xie	Emma	Yu Jin	Permutation statistics: interactions with the theory of symmetric functions and hypergeometric series
1:30PM - 3:10PM	IP61	B106	"Species Distribution Modeling and Capture-Recapture Models"	Jakub	Stoklosa	Population size estimation using generalized linear latent variable models
			Organiser: Wen-Han Hwang	Yang	Liu	Penalized empirical likelihood estimation and EM algorithms for closed-population capture-recapture models
			4 x 25 mins	Yan	Wang	On the Conway-Maxwell-Poisson point process
			Chair: Wen-Han Hwang			
1:30PM - 3:10PM	IP66	B305	"Recent advances in statistical theory and applications"	Kento	Egashira	Asymptotic properties of kernel k-means under high dimensional settings
			Organiser: Kazuyoshi Yata	Shogo	Nakakita	A Langevin-type Monte Carlo method for non-log-concave non-smooth distributions
			4 x 25 mins	Kazuyoshi	Yata	Inference on high-dimensional mean vectors by the data transformation technique
			Chair: Kazuyoshi Yata	Kouji	Tahata	Ordinal quasi-symmetry and its properties for multi-way contingency tables
1:30PM - 3:10PM	IP49	EEBrown	"BFF: Statistical foundations in the era of Data Science"	Veronika	Rockova	Adaptive Bayesian Prediction Inference
			Organiser: Jan Hannig	Paul	Edlefsen	Frequentist, Bayesian, and Dempster-Shafer Poisson regression applied to estimating HIV-1 infection times in clinical trials
			4 x 25 mins	Jan	Hannig	A Geometric Perspective on Bayesian and Generalized Fiducial Inference
			Chair: Yifan Cui	Min-ge	Xie	Repro samples method for inference on discrete or non-numerical parameters
1:30PM - 3:10PM	IP67	OA239	Session title: Statistical inference	Sarat	Moka	Best subsets selection in regression models
			Organiser: Howard Bondell	John	Ormerod	Moment propagation for the Bayesian lasso
			4 x 25 mins	Annabel	Webb	A maximum penalised likelihood approach for Cox models with time-varying covariates and partly-interval censored survival data
			Chair: John Ormerod	Hongyuan	Cao	A powerful empirical Bayes approach for high dimensional replicability analysis
1:30PM - 3:10PM	IP51	AW153	"Advances in nonparametric inference for complex data"	Hsin-wen	Chang	Concurrent functional linear regression via plug-in empirical likelihood
			Organiser: Aurore Delaigle	Lily	Wang	Distributed Heterogeneity Learning: From Spatial to Complex Data Analysis
			4 x 25 mins	Jinyuan	Chang	Statistical inferences for complex dependence of multimodal imaging data
			Chair: Aurore Delaigle	Germain	Van Bever	Additive regression with general imperfect variables
1:30PM - 3:10PM	CP06	BG03	Contributed Paper Session	Chaehyun	Ryu	On a Directional Regression for Large Scale Dataset
			Chair: Gan Yuan	Jeyong	Lee	On the Model Selection Consistency for High-Dimensional Bayesian Poisson Regression
			5 x 20 mins	Sayantan	Paul	Posterior Contraction Rate and Asymptotic Bayes Optimality for One Group Global-Local Shrinkage Priors in Sparse Normal Means Problem
				Gan	Yuan	Efficient Estimation of the Central Mean Subspace via Smoothed Gradient Outer Products
				Seunghyeon	Kim	Age-specific impacts of heat on mental health: An evidence from the capital city of South Korea
1:30PM - 3:10PM	CP04	OA107	Contributed Paper Session	Yi	Xue	Conditional maximum likelihood under two-phase sampling design
			Chair: Saritha Kodikata	Yidi	Deng	StableMate: a new statistical method to select stable predictors in omics data
			5 x 20 mins	Jaehee	Kim	Dynamic Functional Connectivity Change-Point Detection with Random Matrix Theory Inference for Brain Network Data
				Saritha	Kodikata	Projection-based sequential networks for longitudinal microbiome data
				John P	Nolan	Sample path estimates of non-Newtonian capacity
3:10PM - 3:30PM	BREAK	WH	Afternoon Tea			
3:30PM - 5:10PM	IP55	EEBrown	"Topics in Statistical Inference"	Wei	Huang	Nonparametric estimation of the continuous treatment effect with measurement error
			Organiser: Karim Seghouane	Inge	Koch	Cross-Validation for Supervised Learning with Tuning Parameter
			4 x 25 mins	Aurore	Delaigle	Estimation of the density of a long-term trend from repeated semi-continuous data, with applications to episodically consumed food
			Chair: Karim Seghouane	Wenjing	Yang	New Robust Canonical Correlation Approaches via alpha-divergences and Application to High-Dimensional Datasets
3:30PM - 5:10PM	IP33	OA239	"Mean field interacting particle systems and McKean-Vlasov equations"	Zhenfu	Wang	Quantitative Propagation of Chaos for 2D Viscous Vortex Model on the Whole Space
			Organiser: Wei Liu	Kai	Du	Empirical approximation to invariant measures of McKean--Vlasov dynamics
			4 x 25 mins	Longjie	Xie	Long time behavior of non-linear stochastic system: the autonomous approximation method
			Chair: Wei Liu	Wei	Liu	Long time behaviors of mean-field interacting particle systems and McKean-Vlasov equations
3:30PM - 5:10PM	IP57	AW153	"Statistical analysis of dependent, high dimensional and massive data"	Xinyuan	Song	Order selection for regression-based hidden Markov model
			Organiser: Ming-Yen Cheng	Alan	Wan	A Simple Divide-and-Conquer-based Distributed Method for the Accelerated Failure Time Model
			4 x 25 mins	Shiqing	Ling	Screening Predictors in High-Dimensional Time-Series Data
			Chair: Ming-Yen Cheng	Tiejun	Tong	Regularized t distribution: definition, properties and applications
3:30PM - 5:10PM	IP48	B106	"Estimation and inference under constraints"	Joseph	Lawson	Reinforcement learning for respondent-driven sampling
			Organiser: Eric Laber	Mohamed	Ndaoud	Robust and Tuning-Free Sparse Linear Regression via Square-Root Slope
			4 x 25 mins	Bradley	Rava	A Burden Shared is a Burden Halved: A Fairness-Adjusted Approach to Classification
			Chair: Bradley Rava			
3:30PM - 5:10PM	IP63	B305	"Bayesian high-dimensional modeling and computation for spatial and temporal data and multivariate responses"	Hsin-Hsiung	Huang	Bayesian high-dimensional variable selection for zero-inflated data
			Organiser: Hsin-Hsiung Huang	Mengyu	Xu	Inference for Quantile Change Points in High-Dimensional Time Series
			4 x 25 mins	Teng	Zhang	Robust Sufficient Dimension Reduction via α-Distance Covariance
			Chair: Hsin-Hsiung Huang	Shao-Hsuan	Wang	A Bayesian framework for bilinear logistic regression variable selection
3:30PM - 5:10PM	CP13	OA107	Contributed Paper Session	Ninh	Tran	Adaptive Procedures for Directional False Discovery Rate Control
			Chair: Ninh Tran	Yu-Hsiu	Tseng	Convergence of Particle flow inspired by Wasserstein gradient flow
			5 x 20 mins	Mingan	Yang	Bayesian semiparametric variable selection with shrinkage prior
				Chuchu	Wang	Nonparametric quantile scalar-on-image regression
				Yudan	Zou	Order selection for heterogeneous semiparametric hidden Markov models

IMS APRM 2024

Schedule by time & date

THURSDAY 4 January

8:00AM - 9:20AM	Registration (WH)							
09:30AM - 10:30AM	Plenary Lecture (PL01)							
Room:	OA122 (Public Lecture Theatre)							
10:30AM - 10:50AM	Morning Tea (WH)							
10:50AM - 12:30PM	DL04	DL03	IP45	IP05	IP04	IP40	IP54	CP07
Room:	OA122	EEBrown	B106	B305	OA107	OA239	AW153	BG03
12:30PM - 1:30PM	Lunch (WH)							
1:30PM - 3:10PM	DL09	DL01	IP01	IP56	IP08	IP15	IP20	CP02
Room:	OA122	B106	B305	AW153	OA239	OA107	EEBrown	BG03
3:10PM - 3:30PM	Afternoon Tea (WH)							
3:30PM - 5:10PM	DL05	IP28	IP41	IP23	IP47	CP11	CP15	
Room:	OA122	B106	B305	EEBrown	AW153	OA107	BG03	

FRIDAY 5 January

08:30AM - 10:10AM	DL06	IP50	IP64	IP18	IP29	IP38	CP14	CP08	
Room:	OA122	B106	OA239	OA107	B305	AW153	BG03	OA224	
10:10AM - 10:30AM	Morning Tea (WH)								
10:30AM - 11:30AM	Plenary Lecture (PL02)								
Room:	OA122 (Public Lecture Theatre)								
11:30AM - 12:30PM	Plenary Lecture (PL03)								
Room:	OA122 (Public Lecture Theatre)								
12:30PM - 1:30PM	Lunch (WH)								
1:50PM - 3:30PM	DL10	IP03	IP60	IP06	IP09	IP07	IP44	IP35	CP03
Room:	OA122	OA239	EEBrown	AW153	OA107	B106	BG03	B305	OA224
3:30PM - 3:50PM	Afternoon Tea (WH)								
3:50PM - 5:30PM	DL08	IP39	IP26	IP43	IP46	IP52	IP68	CP12	
Room:	OA122	B305	OA239	OA107	AW153	B106	EEBrown	BG03	
7:00PM - 10:00PM	Conference Dinner at Melbourne Museum								

SATURDAY 6 January

08:30AM - 10:10AM	DL07	IP24	IP13	IP34	IP62	IP30	IP59	CP10	CP19
Room:	OA122	AW153	B305	B106	OA239	EEBrown	OA107	OA224	BG03
	Morning Tea (WH)								
10:30AM - 12:10PM	DL13	IP58	IP21	IP02	IP11	IP17	IP10	IP53	CP01
Room:	OA122	B305	EEBrown	AW153	B106	OA239	OA107	BG03	OA224
12:10PM onwards	Excursion opportunities & collaborative working time								

SUNDAY 7 January

08:30AM - 10:10AM	DL12	IP36	IP65	IP12	IP16	IP32	CP09	
Room:	OA122	B106	AW153	B305	OA239	EEBrown	OA107	
10:10AM - 10:30AM	Morning Tea (WH)							
10:30AM - 12:10PM	DL11	IP19	IP37	IP22	IP31	IP14	CP17	
Room:	OA122	EEBrown	B106	B305	OA239	AW153	OA107	
12:10PM - 1:30PM	Lunch (WH)							
1:30PM - 3:10PM	DL02	IP61	IP66	IP49	IP67	IP51	CP06	CP04
Room:	OA122	B106	B305	EEBrown	OA239	AW153	BG03	OA107
3:10PM - 3:30PM	Afternoon Tea (WH)							
3:30PM - 5:10PM	IP55	IP33	IP57	IP48	IP63	CP13		
Room:	EEBrown	OA239	AW153	B106	B305	OA107		

KEY

Session Type

PL	Plenary Lecture
DL	Distinguished Lecture
IP	Invited Session
CP	Contributed Paper Session

Rooms		Map
WH	Wilson Hall	
OA122	Old Arts - 122 (Public Lecture Theatre)	https://maps.unimelb.edu.au/point?identifier=PAR;149;1;122
OA107	Old Arts - 107 (William MacMahon Ball Theatre)	https://maps.unimelb.edu.au/point?identifier=PAR;149;1;107
OA224	Old Arts - 224	https://maps.unimelb.edu.au/point?identifier=PAR;149;2;224
OA239	Old Arts - 239	https://maps.unimelb.edu.au/point?identifier=PAR;149;2;239
BG03	Babel - G03 (Lower Theatre)	https://maps.unimelb.edu.au/point?identifier=PAR;139;0;G03
B106	Babel - 106 (Middle Theatrette)	https://maps.unimelb.edu.au/point?identifier=PAR;139;1;106
B305	Babel - 305 (Chisholm Theatrette)	https://maps.unimelb.edu.au/point?identifier=PAR;139;3;305
AW153	Arts West North Wing - 153 (Forum Theatre)	https://maps.unimelb.edu.au/point?identifier=PAR;148A;1;153
EEBrown	Electrical and Electronic Eng - Brown Room	https://maps.unimelb.edu.au/point?identifier=PAR;193;1;106

Campus

Parkville Campus	Interactive map	https://maps.unimelb.edu.au/

Dinner

Melbourne Museum	https://maps.app.goo.gl/u3BwsjRQVGtg8TDL7