

The International Conference on Frontiers in Probability and Statistics

Program Schedule

June 11–13, 2026 Xuzhou, Jiangsu, China

Time	Presenter(s)	Title / Session
June 11, 2026		
14:00–20:00		Registration & Dinner
June 12, 2026		
08:30–09:00		Opening Ceremony
Plenary Report Session (Chair: Erhard Cramer) Venue: Narada Ballroom		
09:00-10:00	Udo Kamps	Prediction of record values
10:00-10:30		Tea Break
Plenary Report Session (Chair: Frank Coolen) Venue: Narada Ballroom		
10:30-11:30	Erhard Cramer	Decomposition of hybrid censoring schemes with applications to statistical inference
11:30-13:00		Lunch
Parallel Session 1: Advances in Complex Data Modeling and Analysis Organizer: Tao Li (Shanghai University of Finance and Economics) Chair: Tao Li Venue: Meeting Room 1		
13:00-13:30	Xin He	Kernel ridge regression with predicted feature inputs
13:30-14:00	Meiling Hao	Conditional inference for high-dimensional multi-omics survival data
14:00-14:30	Shirong Deng	High-dimensional longitudinal model averaging via leave-subject-out cross-validation functionals
Parallel Session 2: New Advances in Failure Time Data Analysis Organizer: Jianguo Sun (Southern University of Science and Technology) Chair: Jianguo Sun Venue: Meeting Room 2		
13:00-13:30	Huiqiong Li	Robust variable selection for interval-censored data via deep neural networks
13:30-14:00	Hui Zhao	Distributed sparse learning for cox models over networks: a decentralized approach
14:00-14:30	Chunjie Wang	Bayesian mediation analysis with factor-augmented structural equation models for informative interval-censored data
Parallel Session 3: Recent Advances in Reliability and Degradation Data Analysis Organizer: Hon Keung Tony Ng (Bentley University, USA) Chair: Hon Keung Tony Ng Venue: Meeting Room 3		
13:00-13:30	Qingpei Hu	Modelling and analysis of degradation with change point
13:30-14:00	Jiayin Tang	Title TBA
14:00-14:30	Fode Zhang	Unsupervised domain adaptation with adaptive f-divergence: tighter variational representation and generalization bounds

Time	Presenter(s)	Title / Session
Parallel Session 4: Inference for Ordered Data		
Organizer: Erhard Cramer (RWTH Aachen University, Germany)		
Chair: Erhard Cramer		
Venue: Meeting Room 5		
13:00-13:30	Lene Grabowsky	Inference in stage life testing models under log-linear link functions
13:30-14:00	Yao Lu	Approximate likelihood based inference under joint type-ii censoring with unknown group membership
14:00-14:30	Anja Bettina Schmiedt	Adaptive experimental designs in progressively censored life tests and related inference
Parallel Session 5: Point Processes & Their Applications		
Organizer: Lirong Cui (Beijing Institute of Technology)		
Chair: He Yi		
Venue: Meeting Room 6		
13:00-13:30	Xujie Jia	Reliability analysis of cascading failures in multi-layer interdependent network systems
13:30-14:00	He Yi	Discussions on a new type of consecutive-k systems based on finite markov chain imbedding approach
Parallel Session 6: Statistical Learning for Complex Data		
Organizer: Xingqiu Zhao (The Hong Kong Polytechnic University)		
Chair: Xingqiu Zhao		
Venue: Meeting Room 1		
14:30-15:00	Li Liu	Automatic structure identification and variable selection for additive accelerated failure time model with ultrahigh dimensional covariates
15:00-15:30	Wen Su	Semiparametric causal inference for right-censored outcomes with many weak invalid instruments
15:30-16:00	Xiaodong Yan	Intelligent agent: statistical framework, theory and applications
Parallel Session 7: Recent Advances in Statistical Modeling with Applications		
Organizer: Hon Keung Tony Ng (Bentley University, USA)		
Chair: Qingpei Hu		
Venue: Meeting Room 2		
14:30-15:00	Chong Ding	Inference for kernel matching under treatment-control sample imbalance
15:00-15:30	Chunming Zhang	Bayesian simultaneous partial envelope model with application to an imaging genetics analysis
15:30-16:00	Piaomu Liu	Analyzing organizational risks and responses to data breaches
Parallel Session 8: Statistical Modeling and Inference for Complex and Structured Data		
Organizer: Hideki Nagatsuka (Chuo University, Japan)		
Chair: Hideki Nagatsuka		
Venue: Meeting Room 3		
14:30-15:00	Yuna Kaneko	On likelihood-based parameter estimation for the generalized hyperbolic levy process
15:00-15:30	Taiga Takagi	Modeling defensive behavior in soccer using player tracking data and hidden markov models
15:30-16:00	Hideki Nagatsuka	Parameter estimation for the generalized gamma distribution

Time	Presenter(s)	Title / Session
Parallel Session 9: Advances in Statistical Approaches to Risk Measurement and Uncertainty – I Organizer: Maochao Xu (Illinois State University, USA) Chair: Maochao Xu Venue: Meeting Room 5		
14:30-15:00	Pei Geng	An integrated least square framework for logistic regression with measurement error under case-control studies
15:00-15:30	Yijia Li	An online learning framework for cyber risk assessment and rating
15:30-16:00	Xing Wang	Multi-output extreme spatial model for production systems
Parallel Session 10: Recent Advances in Multivariate Linear and Bilinear Models Organizer: Jemila Seid Hamid (University of Ottawa, Canada) Chair: Jemila Seid Hamid Venue: Meeting Room 6		
14:30-15:00	Dietrich von Rosen	Maximum likelihood estimators of parameters in the growth curve model with inequality constraints
15:00-15:30	Jianxin Pan	Variable selection in mixture regression for longitudinal data based on joint mean-covariance model
15:30-16:00	Zirui Wang	Handling missing data in multivariate bilinear models: applications in the analysis of longitudinal data
16:00-16:30	Tea Break	
Parallel Session 11: Machine Learning and Survival Analysis Organizer: Xingqiu Zhao (The Hong Kong Polytechnic University) Chair: Xingqiu Zhao Venue: Meeting Room 1		
16:30-17:00	Yifan Cui	Learning robust decision rules for censored and confounded data
17:00-17:30	Qixian Zhong	Generative doubly robust estimation for general treatment effects
17:30-18:00	Xiangbin Hu	Deep conditional generative learning for optimal individualized treatment rules
Parallel Session 12: Advanced Models in Lifetime Data Analysis – II Organizer: Omid Kharazm (Vali-e-Asr University) Chair: Xiaodong Yan Venue: Meeting Room 2		
16:30-17:00	Maria Longobardi	A new bivariate measure of variability with applications
17:00-17:30	Maria Kateri	Aging in step-stress accelerated life testing: an intensity-based perspective
17:30-18:00	Eugenia Stoimenova	Lehmann-type alternatives for the multi-sample homogeneity testing problem
Parallel Session 13: Stochastic orders and measures of distance between random variables Organizer: Maria Longobardi (University of Naples Federico II, Italy) Chair: Maria Longobardi Venue: Meeting Room 3		
16:30-17:00	Francesco Buono	A family of stochastic pre-orders based on the usual stochastic order
17:00-17:30	Juan Baz	On the dependence structure of the j-th maximum process
17:30-18:00	Franco Pellerey	Measuring the distance between components of a sample and corresponding l-statistics

Time	Presenter(s)	Title / Session
Parallel Session 14: Advances in Statistical Approaches to Risk Measurement and Uncertainty – II Organizer: Maochao Xu (Illinois State University, USA) Chair: Xing Wang Venue: Meeting Room 5		
16:30-17:00	Jiahui Shao	Reconstitution of nfts based on a bayesian two-stage game model
17:00-17:30	Yue Wang	Pricing multi-trigger catastrophe bonds for crypto risks with on-chain settlement
17:30-18:00	Jiaxing Liu	A deep reinforcement learning-based method for pricing storm catastrophe bonds
Parallel Session 15: Bayesian Inference and Modeling with Applications Organizer: Debanjan Mitra (Indian Institute of Management Udaipur) Chair: Zhezhen Jin Venue: Meeting Room 6		
16:30-17:00	Isyaku Muhammad	Model selection for wiener degradation models using approximate bayesian computation
17:00-17:30	Farha Sultana	Prediction in stage life testing using log-linear function
17:30-18:00	Sandip Barui	Extending cure rate models: a bivariate framework with joint dependence
18:30-20:30	Banquet Dinner	
June 13, 2026		
Plenary Report Session (Chair: Udo Kamps) Venue: Narada Ballroom		
09:00-10:00	Frank Coolen	Combinatorial Methods for Nonparametric Predictive Inference
10:00-10:30	Tea Break	
10:30-12:00	Senior Scholars’ Forum: Research Careers and Future Directions in Probability, Statistics, and Data Science Panelists: Professors Zhezhen Jin, Maria Kateri, Dietrich von Rosen, and Maochao Xu	
12:00-14:00	Lunch	
Parallel Session 16: Deep Learning for Survival Analysis Organizer: Yanyan Liu (Wuhan University) Chair: Shirong Deng Venue: Meeting Room 1		
14:00-14:30	Kin Yat Liu	Efficient estimation for functional accelerated failure time model
14:30-15:00	Qiang Wu	Statistical inference for interval-censored data using neural exponential path integral
15:00-15:30	Anyin Feng	Deep nonparametric inference for conditional mean models with panel count data
Parallel Session 17: Advances in Machine Learning for Complex Data Organizer: Xingqiu Zhao (The Hong Kong Polytechnic University) Chair: Xingqiu Zhao Venue: Meeting Room 2		
14:00-14:30	Wenhai Cui	Learning optimal individualized decision rules with conditional demographic parity
14:30-15:00	Xiaoting Ji	Balancing value optimization and fairness in individualized treatment rules
15:00-15:30	Kun Ren	Efficient estimation for deep accelerated failure time model with application to credit risk analysis

Time	Presenter(s)	Title / Session
Parallel Session 18: On probabilistic modeling and optimization for reliability of networked systems Organizer: Gaofeng Da (Nanjing University of Aeronautics and Astronautics) Chair: Gaofeng Da Venue: Meeting Room 3		
14:00-14:30	Chen Li	On reliability of parallel and series systems of two three-state components with dependent functioning-state lifetimes
14:30-15:00	Xiaoyu Zhang	Smart home cyber insurance pricing
15:00-15:30	Xin Zhang	Optimal cybersecurity investment in supply chain networks with node and link protection
Parallel Session 19: Risk Management in Finance and Manufacturing Industries Organizer: Man Ho Ling (The Education University of Hong Kong) Chair: Man Ho Ling Venue: Meeting Room 5		
14:00-14:30	Jialu Zhang	The yield curve machine for pricing
14:30-15:00	Man Ho Ling	Optimal design for step-stress accelerated life testing with hybrid group censoring for non-destructive one-shot devices
15:00-15:30	Aman Prakash	A semiparametric step-stress competing risk model
Parallel Session 20: Recent advances in statistical methods for the analysis of complex data Organizer: Zhezhen Jin (Columbia University, USA) Chair: Zhezhen Jin Venue: Meeting Room 6		
14:00-14:30	Ying Zhang	Measuring excess co-movement between bivariate time series data
14:30-15:00	Zeny Feng	Variable selection in gaussian mixture regression models
Parallel Session 21: Robust Estimation of High-Dimensional Data Organizer: Kristofer Månsson (Linnaeus university, Sweden) Chair: Kristofer Månsson Venue: Pengshi Hall		
14:00-14:30	Deliang Dai	Mahalanobis geometry under time-ordered modified cholesky decomposition asymptotic and finite-sample theory in high dimensions
14:30-15:00	Muhammad Qasim	Improving instrumental variable estimation using a weighted jackknife approach
15:00-15:30	Stanislas Muhinyuza	Optimal portfolio weights and its characteristics in small and large dimension: insight from non-gaussian models
16:00-16:30	Kristofer Månsson	Penalized mixed-frequency estimation: oracle properties and asymptotic efficiency
15:30-16:00		Tea Break
Parallel Session 22: Information-Theoretic Approaches in Lifetime Analysis Organizer: Maria Kateri (RWTH Aachen University, Germany) Chair: Maria Kateri Venue: Meeting Room 1		
16:00-16:30	Magdalena Szymkowiak	ϕ -divergence of system lifetimes and associated properties and characteristics
16:30-17:00	Marco Capaldo	On weighted cumulative information generating functions
17:00-17:30	Zhe Su	A lindley mixture model for lifetime data with continuous and discrete observations

Time	Presenter(s)	Title / Session
Parallel Session 23: Deep Learning Methods for Complex Data Organizer: Xingqiu Zhao (The Hong Kong Polytechnic University) Chair: Xingqiu Zhao Venue: Meeting Room 2		
16:00-16:30	Rujia Cao	Deep semiparametric and nonparametric inference for longitudinal data
16:30-17:00	Jiaqi Zhao	Spline learnable neural networks with applications to diffusion-based generative models
17:00-17:30	Xiangru Zhao	High-dimensional longitudinal quantile regression with informative observation times and terminal event
Parallel Session 24: Recent Advances in Reliability Statistics and Survival Analysis Organizer: Xiaojun Zhu (Xi'an Jiaotong-Liverpool University) Chair: Xiaojun Zhu Venue: Meeting Room 3		
16:00-16:30	Kai Liu	A proportional hazards mixture cure model for subgroup analysis: inferential method and an application to colon cancer data
16:30-17:00	Wenhan Zhang	Iterative regression algorithm for parameter estimation for nondestructive one-shot devices under cyclic accelerated life test with adaptive proportion of failure design
17:00-17:30	Xuan Xu	Nonparametric tests for comparing reliabilities of coherent systems at specific mission time
Parallel Session 25: Some applications in the queueing theory and reliability and notes on correlation Organizer: Alexei Stepanov (Immanuel Kant Baltic Federal University, Russia) Chair: Alexei Stepanov Venue: Meeting Room 5		
16:00-16:30	Alexei Stepanov	Analysis of correlation coefficients
16:30-17:00	Tatiana Misharina	On a nonparametric approach for detecting stochastic orders using right censored survival data
17:00-17:30	Sergey Malov	On some practical properties of the cusum process with applications to the transient change point detection
Parallel Session 26: Advances in Statistical Inference and Modeling Organizer: Hon Keung Tony Ng (Bentley University, USA) Chair: Man Ho Ling Venue: Meeting Room 6		
16:00-16:30	Fotios Milienos	On a new class of cure model under a destructive process
16:30-17:00	Suparna Basu	A consistent estimator for the parameters of the generalized exponential distribution
17:00-17:30	Po Yang	Model-robust process optimization for data with a multistratum structure
18:00-20:00	Dinner & Closing Ceremony	

Route Guide: From Xuzhou Stations/Airport to Narada Hotel Xuzhou

Starting Point	Recommended Option	Est. Time	Est. Cost	Detailed Directions
Xuzhoudong Railway Station	1. Taxi (Fastest)	30-40 min	~¥50	Directly navigate to “Narada Hotel Xuzhou (徐州宝信君澜度假酒店)”.
	2. Metro + Taxi (Balanced)	Not fixed	¥13	Take Metro Line 1 to “Pengchengguangchang (彭城广场)”, transfer Line 3 to “Wumingshan Park (无名山公园)”. Then short taxi ride.
	3. Bus (Most economical)	Not fixed	¥4	Take Bus 72 to “Tongshan New District Terminal (铜山新区终点站)”. Transfer to Bus 63 for 2 stops to “Jiulong Phoenix City West Gate (久隆凤凰城西门)”.
Xuzhou Railway Station	1. Taxi (Fastest)	~30 min	~¥30	Directly navigate to “Narada Hotel Xuzhou (徐州宝信君澜度假酒店)”.
	2. Metro + Taxi (Balanced)	Not fixed	¥11	Take Metro Line 3 directly to “Wumingshan Park (无名山公园)”. Then short taxi ride.
	3. Bus (Most economical)	Not fixed	¥4	Take Bus 11 or 11 Fu to “Tongshan New District Terminal (铜山新区终点站)”. Transfer to Bus 63 to “Jiulong Phoenix City West Gate (久隆凤凰城西门)”.
Guanyin Airport	1. Taxi (Most hassle-free)	~60 min	~¥100-120	Directly navigate to “Narada Hotel Xuzhou (徐州宝信君澜度假酒店)”.
	2. Airport Shuttle + Bus (Budget)	~120min	¥32	Take shuttle to “Zhonghui International Conference Center (中汇国际会议中心)”. Walk to “Kuangda West Gate (矿大西门)”, take Bus 11/11 Fu to “Tongshan New District Terminal (铜山新区终点站)”, then transfer to Bus 63 to “Jiulong Phoenix City West Gate (久隆凤凰城西门)”.