詳細會議議程表

Time	December 04, 2026 (Friday)
17:00 – 20:00	Registration

Time	December 05, 2026 (Saturday)	
08:00	Registration	
09:15	Opening Ceremony	
	Chair:	Ming-Chung Chang, Academia Sinica, Taiwan
09:30	Invited Session 01: Experimental Designs Inspired by Professor Cheng's Pioneering Works	
	Chair: Speakers:	TBA Shu Yamada, Keio University, Japan *Revisit supersaturated designs: The origin and optimality* Ming-Hung (Jason) Kao, Arizona State University-Tempe, USA *Event-related fMRI designs: Perspectives from the exact theory of optimal design* Xiao-Nan Lu, Gifu University, Japan *D-optimality of multi-level circulant almost orthogonal arrays* Shin-Fu Tsai, National Taiwan University, Taiwan *Optimal order-of-addition factorial designs: Some advances inspired by Ching-Shui Cheng's pioneering work*
11:30	Lunch Time	
13:00	Memorial Session 01 Professor Ching-Shui Cheng's Legacy in Experimental Designs	
	Chair: Speakers:	Dennis Lin, Purdue University, USA TBA
14:30	Coffee Break	
15:00	Memorial Session 02 Professor Ching-Shui Cheng's Contributions to Academia Sinica and Statistics Society	
	Chair: Speakers:	Chun-Houh Chen, Academia Sinica, Taiwan TBA
18:00	Conference Banquet	

Time	December 06, 2026 (Sunday)	
08:00	Registration	
09:00	Invited Session 02: Optimal Designs and Bayesian Designs in Practice	
	Chair:	TBA
	Speakers:	Weng Kee Wong, University of California-Los Angeles, USA *Modern adaptive Bayesian designs for oncology clinical trials* Ryan Lekivetz, JMP, USA *Applying DOE principles to statistical software testing* Steve Gilmour, King's College London, UK *Multi-objective optimal designs in practice*
10:30	Coffee Break	
11:00	Special Session 01	
	Chair:	Frederick Kin Hing Phoa, Academia Sinica, Taiwan
	Speakers:	Jeff Wu, Chinese University of Hong Kong-Shenzhen, China *TBA*
12:00	Lunch Time	
13:30	Invited Session 03: Gaussian Process and Subdata Selection	
	Chair:	TBA
	Speakers:	Matthias Tan, City University of Hong Kong, China *Computer model calibration via Bayesian optimization based on a bi-fidelity Gaussian process model for transformed sum of squared errors* Ping-Yang Chen, National Taipei University, Taiwan *Gaussian process modeling with mixed-dimensional inputs and functional outputs for Bayesian optimization* Rakhi Singh, Indian Institute of Technology Madras, India *Subdata selection for multivariate regression*
15:00	Coffee Break	
15:30	Invited Session 04: Orthogonal Arrays and Design Theory	
	Chair:	TBA
	Speakers:	Xu He, Chinese Academy of Sciences, China *Super strong strength-3 orthogonal arrays* Sawa Masanori, Kobe University, Japan *An introduction to wildcard codes: Universal bounds and orthogonal projection approach* Ming-Chung Chang, Academia Sinica, Taiwan *Orthogonalized moment aberration and its extension*
18:00	Conference Dinner (Invitation Only)	

Time	December 07, 2023 (Monday)	
08:00	Registration	
09:00	Invited Session 05: Space Filling Designs and Computer Experiments	
	Chair:	TBA
	Speaker:	Hongquan Xu, University of California-Los Angeles, USA *Efficient representation and construction of space-filling designs via a double stratification enumerator* Ying Hung, Rutgers University, USA *Optimal simulator selection* Cheng-Yu Sun, National Tsing Hua University, Taiwan *Sliding-window imbalance for space-filling designs*
10:30	Coffee Break	
11:00	Special Session 02	
	Chair:	Frederick Kin Hing Phoa, Academia Sinica, Taiwan
	Speakers:	John Stufken, George Mason University, USA *Writing and Publishing in Statistics*
12:00	Lunch Time	
13:30	Invited Session 06: Experimental Design for Nonlinear Models	
	Chair:	TBA
	Speakers:	Dennis Lin, Purdue University, USA *Manifold regression: Design and analysis* William Li. Shanghai Advanced Institute of Finance, China *Algorithmic construction of integer-valued robust designs for nonlinear models* Emily Chao-Hui Huang, National Chung Hsing University, Taiwan *Multi-Objective intelligent sampling for data-efficient learning from sparse functional data*
15:00	Coffee Break	
15:30	Invited Session 07: Experimental Design for AI and Machine Learning	
	Chair:	TBA
	Speakers:	Xinwei Deng, Virginia Institute of Technology, USA *TCARD: Optimal designs with treatment cardinality constraints for LLM prompt engineering* Wei Zheng, University of Tennessee-Knoxville, USA *Coalition designs for Shapley recovery: Exactness query complexity and stability* Simon Mak, Duke University, USA *ML/AI-accelerated autonomous experimentation with digital twins*
17:00	Closing Ceremony	