

PROGRAM AT A GLANCE

Monday		Tuesday		Wednesday		Thursday		Friday	
8:30	<i>Registration</i>	9:00	Wang R H	9:00	Intro. - Traub J F	9:00	Wasilkowski G	9:00	Yue R X
9:00	<i>Opening Ceremony</i>			9:10	Tezuka S			9:25	Wang Xiaoqun
9:35	Niederreiter H	9:55	Owen A	10:05	Wang Xiaolu	9:55	Heinrich S	9:50	Xiao Y
								10:15	Umeno K
10:30	<i>Break</i>	10:50	<i>Break</i>	10:30	<i>Break</i>	10:50	<i>Break</i>	10:40	<i>Break</i>
11:00	Sloan I	11:20	Fang K T	11:00	Wong M	11:20	Timmer J	11:10	Dinh D
11:55	Faure H			11:25	Cheng W Y	11:45	Steinbauer A	11:35	Hong H S
12:20	<i>Photo</i>	12:15	Tian G L	11:50	Curbera F	12:10	Petras K	12:00	Gao J
								12:25	Thiémard E
12:35	<i>Lunch</i>	12:40	<i>Lunch</i>	12:15	<i>Lunch</i>	12:35	<i>Lunch</i>	12:50	<i>Lunch</i>
14:05	Novak E	14:10	Tan J Q	13:45	Tovstik T M	14:05	Lécot C	14:20	Woźniakowski H
		14:35	Shi X Q	14:10	Dimov I	14:30	Ritter K		
15:00	Plaskota L	15:00	Li A	14:35	Yam C Y	14:55	Wu Z M	15:15	Hickernell F J
15:25	Langtry T N	15:25	Qian X Y	15:00	Wei G	15:20	Zhang J Z		
15:50	<i>Break</i>	15:50	<i>Break</i>	15:25	<i>Break</i>	15:45	<i>Break</i>	16:10	<i>End</i>
16:20	Pirsic G	16:20	Mathe P	15:55	Leung Y W	16:15	Lazarev A		
16:45	Schmid W	16:45	Zhang R C	16:20	Tang L H	16:40	Zhou Y S		
17:10	Cools R	17:10	Ma C X	16:45	Liang Y Z	17:05	Su Z		
17:35	<i>End</i>	17:35	<i>End</i>	17:10	Tong C S	17:30	<i>End</i>		
				17:35	<i>End</i>				
				18:30	<i>Banquet</i>				

PROGRAM IN DETAIL

October 4, 1999 (Monday)

Venue: NAB 209 Lam Woo International Conference Centre, Shaw Campus, Hong Kong Baptist University

8:30-9:00	Registration
9:00-9:35	Opening Ceremony (Chair: Fred J. Hickernell)
	Chair: H. Woźniakowski
9:35-10:30	Harald Niederreiter, Austrian Academy of Sciences: Low-Discrepancy Sequences: Where do We Stand and Where are We Going?
10:30-11:00	<i>Tea Break</i>
	Chair: S. Heinrich
11:00-11:55	Ian H Sloan, University of New South Wales: Why do Quasi-Monte Carlo Methods Work So Well?
11:55-12:20	Henri Faure, Institut Mathématique de Luminy or C.M.I. Université de Provence: Variations on $(0,s)$ -Sequences
12:20-12:35	<i>Group Photo</i>
12:35-14:05	<i>Lunch at Renfrew Seafood Restaurant</i>
	Chair: K. Ritter
14:05-15:00	Erich Novak, Universität Erlangen-Nürnberg: Polynomial Upper Bounds for the Star-Discrepancy
15:00-15:25	Leszek Plaskota, Warsaw University: The Exponent of Discrepancy of Sparse Grids is At Least 2.1933
15:25-15:50	Tim N. Langtry, University of Technology: On Component Scaling of Integration Lattices
15:50-16:20	<i>Tea Break</i>
	Chair: K. Umeno
16:20-16:45	Gottlieb Pirsic, Austrian Academy of Sciences: Efficient Calculation of the Quality Parameter of Digital Sequences
16:45-17:10	Wolfgang Ch. Schmid, University of Salzburg: Optimal Polynomials for Digital (t,m,s) -Nets in Arbitrary Prime Base
17:10-17:35	Ronald Cools: Katholieke Universiteit Leuven Three- and Four-Dimensional Optimal Lattice Rules of Moderate Trigonometric Degree

PROGRAM IN DETAIL

October 5, 1999 (Tuesday)

Venue: NAB 209 Lam Woo International Conference Centre, Shaw Campus, Hong Kong Baptist University

	<i>Chair: R. C. Zhang</i>
9:00-9:55	Ren-Hong Wang, Dalian University of Technology: Perplexing Problems in Multivariate Approximation
9:55-10:50	Art Owen, Stanford University: Quasi-regression

10:50-11:20 *Tea Break*

	<i>Chair: G. Wei</i>
11:20-12:15	Kai-Tai Fang, Hong Kong Baptist University and Chinese Academy of Sciences: Centered L_2 -discrepancy of Random Sampling and Latin Hypercube Design, and Construction of Uniform Designs
12:15-12:40	Guoliang Tian, Peking University: Statistical Inference for Truncated Dirichlet Distribution With Applications to Misclassification and Experimental Design

12:40-14:10 *Lunch at NTT Function Room*

	<i>Chair: W. Schmid</i>
14:10-14:35	Jieqing Tan, Hefei University of Technology: Computing Complexity of Vector Valued Blending Rational Interpolants
14:35-15:00	Xiquan Shi, Dalian University of Technology: A New Approach for Point Inversion of NURBS Curves/Surfaces
15:00-15:25	Aidi Li, Dalian Railway Institute: Estimates for Piecewise Quadric Approximations of Implicitly Defined Manifolds
15:25-15:50	Xiao-Yuan Qian, Dalian University of Technology: On Multivariate Fractal Functions and Interpolation

15:50-16:20 *Tea Break*

	<i>Chair: A. Owen</i>
16:20-16:45	Peter Mathe, Weierstrass Institute for Applied Analysis and Stochastic: Hilbert Space Analysis of Latin Hypercube Sampling
16:45-17:10	Runchu Zhang, Nankai University: Uniform Design Sampling and OA-Based Uniform LH Sampling
17:10-17:35	Changxing Ma, Nankai University: Two Algorithms of Searching Orthogonal and Nearly Orthogonal Arrays

PROGRAM IN DETAIL

October 6, 1999 (Wednesday)

Venue: NAB 209 Lam Woo International Conference Centre, Shaw Campus, Hong Kong Baptist University

9:00-9:10	Epson Foundation Session on Finance Problems <i>Introduction : J.F. Traub, Columbia University</i>
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	<i>Chair: J.F. Traub</i>
9:10-10:05	Shu Tezuka, IBM Japan, Ltd.: Quasi-Monte Carlo Methods in Practice
10:05-10:30	Xiaolu Wang, Advanced Analytics, Inc. & Rutgers University: Computation as Evolution

10:30-11:00 *Tea Break*

	<i>Chair: J. F. Traub</i>
11:00-11:25	Michael Wong, Hong Kong University of Science and Technology: Pricing of Multivariate Path Dependent Options
11:25-11:50	Wai-yan Cheng, City University of Hong Kong: The Analytics of Reset Options
11:50-12:15	Francisco Curbera, Columbia University: On Strong Tractability of Financial Integration Problems

12:15-13:45 *Lunch at Renfrew Seafood Restaurant*

	<i>Chair: Y. Z. Liang</i>
13:45-14:10	Tatiana M. Tovstik, St.-Petersburg Univ.: On the Quasi-random Sequences in the Random Processes Modeling Algorithms
14:10-14:35	Ivan Dimov, Bulgarian Academy of Sciences: Performance Analysis of Resolvent Monte Carlo Algorithms for Linear Problems
14:35-15:00	Chiu-Yu Yam, Hong Kong Baptist University: Quasi-Monte Carlo Methods on Bootstrap Simulation
15:00-15:25	Gang Wei, Hong Kong Baptist University: Maximum Entropy and Adaptivity

15:25-15:55 *Tea Break*

	<i>Chair: I. Dimov</i>
15:55-16:20	Yiu-Wing Leung, Hong Kong Baptist University: Orthogonal Genetic Algorithm with Quantization for Global Numerical Optimization
16:20-16:45	Lei-Han Tang, Hong Kong Baptist University: Scaling of Directed Line and Surface in a Disordered Medium
16:45-17:10	Yi-Zeng Liang, Hunan University: The Computation of Exact D -optimal Design for the Kinetic Model of a Reversible Chemical Reaction
17:10-17:35	Chong-Sze Tong, Hong Kong Baptist University: Chinese Character Recognition Using an Information-Maximization Neural Network

18:30 *Banquet at the House of Canton Restaurant, Festival Walk*

PROGRAM IN DETAIL

October 7, 1999 (Thursday)

Venue: NAB 209 Lam Woo International Conference Centre, Shaw Campus, Hong Kong Baptist University

	<i>Chair: C. Lécot</i>
9:00-9:55	Greg Wasilkowski, University of Kentucky: Weighted Approximation and Integration over R^d ; Isotropic Case
9:55-10:50	Stefan Heinrich, Kaiserslautern University: Complexity of Monte Carlo Solution of Integral Equations

10:50-11:20 *Tea Break*

	<i>Chair: R. H. Wang</i>
11:20-11:45	Johannes Timmer, Universität Kaiserslautern: Local Solution of Integral Equations Using Linear Basis Coefficients
11:45-12:10	Achim Steinbauer, University of Erlangen: Quadrature Formulas for the Wiener Measure
12:10-12:35	Knut Petras, Institut f. Angewandte Mathematik: A Retarded Smolyak Algorithm

12:35-14:05 *Lunch at NTT Function Room*

	<i>Chair: Y. K. Kwok</i>
14:05-14:30	Christian Lécot, Université de Savoie: Quasi-random Simulation of Linear Kinetic Equations
14:30-14:55	Klaus Ritter, Universität Passau: Strong Approximation for Systems of Stochastic Differential Equations
14:55-15:20	Zongmin Wu, Fudan University: Non Radial Basis for Inverse Problem Related to Laplacian Equation
15:20-15:45	Jianzhong Zhang, City University of Hong Kong: Inverse Center Location Problems and Their Approximate Solution

15:45-16:15 *Tea Break*

	<i>Chair: G. Wasilkowski</i>
16:15-16:40	Alexandr A. Lazarev, Kazan State University: Minimum Absolute Error for NP- Hard Scheduling Problem for Single Machine- Minimizing Maximum Lateness
16:40-17:05	Yunshi Zhou, Jilin University: Approximating Speed about Multiresolution to Fourier Square Equi-integrable Space
17:05-17:30	Zhixun Su, Dalian University of Technology: Applications of Multivariate Spline in Image Processing

PROGRAM IN DETAIL

October 8, 1999 (Friday)

Venue: NAB 209 Lam Woo International Conference Centre, Shaw Campus, Hong Kong Baptist University

	<i>Chair: K. T. Fang</i>
9:00-9:25	Rong-Xian Yue, East China Normal University: Integration and Approximation Based on Scramble Sampling in Arbitrary Dimension
9:25-9:50	Xiaoqun Wang, Tsinghua University: The Error Bound and Tractability of Quasi-Monte Carlo Algorithms in Infinite Dimension
9:50-10:15	Yijun Xiao, CERMICS-ENPC: Quantization Properties of Some Low Discrepancy Sequences
10:15-10:40	Ken Umeno, Ministry of Posts and Telecommunications: Chaotic Monte Carlo Integration with $O(1/N)$ Mean Error

10:40-11:10

Tea Break

	<i>Chair: R. Cools</i>
11:10-11:35	Dinh Dung, Institute of Information Technology: Non-Linear Approximation by Finite Pseudo-Dimensional Sets and Entropy Numbers
11:35-12:00	Hee-Sun Hong, Hong Kong Baptist University: Implementing Scrambled Sobol', Niederreiter, and Faure Points
12:00-12:25	Jiti Gao, University of Technology: Semi-linear Approximation Methods in Multivariate Model Selection
12:25-12:50	Eric Thiémond, Ecole Polytechnique Fédérale de Lausanne: An Algorithm to Compute Bounds for the Star Discrepancy

12:50-14:20

Lunch at Renfrew Seafood Restaurant

	<i>Chair: I. Sloan</i>
14:20-15:15	Henryk Woźniakowski, Columbia University and University of Warsaw: Tractability of Multivariate Integration for Periodic Functions
15:15-16:10	Fred J. Hickernell, Hong Kong Baptist University: The Price of Pessimism in Multidimensional Integration