Mon, Jul 28	Session
08:00-17:30	Registration Desk Open (HH Lobby)
08:45-09:00	Conference Opening (HH Auditorium)
09:00-10:00	Plenary Talk by Rohan Sawhney (HH Auditorium)
10:00-10:30	Coffee Break (HH Lobby)
10:30-12:30	Track A: Stochastic Computation and Complexity, Part I (HH Auditorium)
10:30-12:30	Track B: Domain Uncertainty Quantification (HH Ballroom)
10:30-12:30	Track C: Nested expectations: models and estimators, Part I (PH Auditorium)
10:30-12:30	Track D: Hardware or Software for (Quasi-)Monte Carlo Algorithms, Part I (WH
	Auditorium)
10:30-12:30	Track E: Technical Session 1 - Markov Chain Monte Carlo (HH Alumni Lounge)
12:30-14:00	Lunch Break ()
14:00-15:00	Plenary Talk by Christiane Lemieux, U of Waterloo, Golden ratio nets and sequences
	(HH Auditorium)
15:00-15:30	Coffee Break (HH Lobby)
15:30-17:30	Track F: Stochastic Computation and Complexity, Part II (HH Auditorium)
15:30-17:30	Track G: Recent advances in optimization under uncertainty (HH Ballroom)
15:30-17:30	Track H: Computational Methods for Low-discrepancy Sampling and Applications
	(PH Auditorium)
15:30-17:30	Track I: Technical Session 4 - Quasi-Monte Carlo, Part 1 (WH Auditorium)
15:30-17:30	Track J: Technical Session 12 - PDEs (HH Alumni Lounge)
17:30-19:30	Welcome Reception (HH Lobby)

Tue, Jul 29	Session
08:30-17:30	Registration Desk Open (HH Lobby)
09:00-10:00	Plenary Talk by Peter Glynn, Stanford U, Combining Simulation and Linear Algebra:
	COSIMLA (HH Auditorium)
10:00-10:30	Coffee Break (HH Lobby)
10:30-12:30	Track A: Stochastic Computation and Complexity, Part III (HH Auditorium)
10:30-12:30	Track B: Next-generation optimal experimental design: theory, scalability, and real
	world impact: Part I (HH Ballroom)
10:30-12:30	Track C: Heavy-tailed Sampling (PH Auditorium)
10:30-12:30	Track D: Frontiers in (Quasi-)Monte Carlo and Markov Chain Monte Carlo Methods,
	Part I (WH Auditorium)
10:30-12:30	Track E: Technical Session 2 - Bayesian Methods (HH Alumni Lounge)
12:30-14:00	Lunch Break ()
14:00-15:00	Plenary Talk by Roshan Joseph, Georgia Institute of Technology, Sensitivity and
	Screening: From Monte Carlo to Experimental Design ()
15:00-15:30	Coffee Break (HH Lobby)
15:30-17:30	Track F: Stochastic Computation and Complexity, Part IV (HH Auditorium)
15:30-17:30	Track G: Next-generation optimal experimental design: theory, scalability, and real
	world impact: Part II (HH Ballroom)
15:30-17:30	Track H: Advances in Rare Events Simulation (PH Auditorium)
15:30-17:30	Track I: Frontiers in (Quasi-)Monte Carlo and Markov Chain Monte Carlo Methods,
	Part II (WH Auditorium)
15:30-17:30	Track J: Technical Session 5 - Quasi-Monte Carlo, Part 2 (HH Alumni Lounge)

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Wed, Jul 30	Session
08:30–16:30	Registration Desk Open (HH Lobby)
09:00-10:00	Plenary Talk by Michaela Szölgyenyi, U of Klagenfurt, An optimal transport approach
09.00-10.00	to quantifying model uncertainty of SDEs (HH Auditorium)
10:00-10:30	Coffee Break (HH Lobby)
10:30–12:30	Track A: Stochastic Computation and Complexity, Part V (HH Auditorium)
10:30-12:30	Track B: Statistical Design of Experiments (HH Ballroom)
10:30-12:30	Track C: Advances in Adaptive Hamiltonian Monte Carlo (PH Auditorium)
10:30-12:30	Track D: Technical Session 15 - Simulation (WH Auditorium)
10:30-12:30	Track E: Technical Session 6 - Sampling (HH Alumni Lounge)
12:30-14:00	Lunch Break ()
14:00-16:00	Track F: Stochastic Optimization (HH Auditorium)
14:00-16:00	Track G: Recent Progress on Algorithmic Discrepancy Theory and Applications (HH Ballroom)
14:00-16:00	Track H: Monte Carlo Applications in High-performance Computing, Computer Graphics, and Computational Science (PH Auditorium)
14:00-16:00	Track I: Technical Session 16 - Statistics (WH Auditorium)
14:00-16:00	Track J: Technical Session 10 - Langevin (HH Alumni Lounge)
16:00-16:30	Coffee Break (HH Lobby)
18:00-20:30	Conference Dinner (Bridgeport Arts Center)
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Thu, Jul 31	Session
08:30-17:30	Registration Desk Open (HH Lobby)
09:00-10:00	Plenary Talk by Uros Seljak, UC Berkeley, Gradient-Based MCMC Sampling: Meth-
	ods and Optimization Strategies (HH Auditorium)
10:00-10:30	Coffee Break (HH Lobby)
10:30-12:30	Track A: QMC and Applications Part I (HH Auditorium)
10:30-12:30	Track B: Analysis of Langevin and Related Sampling Algorithms, Part I (HH Ball-
10.00 10.00	room)
10:30-12:30	Track C: Nested expectations: models and estimators, Part II (PH Auditorium)
10:30–12:30 10:30-12:30	Track D: Technical Session 8 - Finance (WH Auditorium) Track E: Technical Session 13 - ML & Optimization (HH Alumni Lounge)
12:30–14:00	Lunch Break ()
14:00-15:00	Plenary Talk by Nicolas Chopin, Institut Polytechnique de Paris, Saddlepoint Monte
14.00 15.00	Carlo and its application to exact ecological inference (HH Auditorium)
15:00-15:30	Coffee Break (HH Lobby)
15:30-17:30	Track F: QMC and Applications Part II (HH Auditorium)
15:30–17:30	Track G: Analysis of Langevin and Related Sampling Algorithms, Part II (HH Ball-
	room)
15:30-17:30	Track H: Recent Advances in Stochastic Gradient Descent (PH Auditorium)
15:30-17:30	Track I: Technical Session 7 - Sampling (WH Auditorium)
15:30-17:30	Track J: Technical Session 11 - SDEs (HH Alumni Lounge)
18:00-20:30	Steering Committee Meeting (by invitation) ()
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Fri, Aug 1	Session Resignation Dealt Open (HH Lebby)
08:30-12:15	Registration Desk Open (HH Lobby) Track A: Forward and Inverse Problems for Stochestic Position Networks (HH Au
09:00-10:30	Track A: Forward and Inverse Problems for Stochastic Reaction Networks (HH Auditorium)
09:00-10:30	Track B: Hardware or Software for (Quasi-)Monte Carlo Algorithms, Part II (HH
09.00-10.30	Ballroom)
09:00-10:30	Track C: Technical Session 3 - Simulation (PH Auditorium)
09:00=10:30	Track C: Technical Session 9 - Sampling (WH Auditorium) Track D: Technical Session 9 - Sampling (WH Auditorium)
09:00-10:30	Track E: Technical Session 14 - Markov Chain Monte Carlo (HH Alumni Lounge)
10:30-11	Coffee Break (HH Lobby)
11:00-12:00	Plenary Talk by Veronika Ročková, U of Chicago, AI-Powered Bayesian Inference
11.00 12.00	(HH Auditorium)
12:00-12:15	Closing Remarks (HH Auditorium)

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08:00-17:30	Registration Desk Open				
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9:00-10:00	Plenary Talk: Rohan So	Rohan Sawhney, p. ?? Chair:			
10:00-10:30	Coffee Break				
	Special Session, HH	Special Session, HH	Special Session, PH	Special Session, WH	HH Alumni Lounge
	Auditorium	Ballroom	Auditorium	Auditorium	Track E: Technical Session
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	Complexity, Part I p. 30	p. 31	estimators, Part I p. 32	(Quasi-)Monte Carlo	Chair: TBD
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	strong order 1.5 boundary	Zepernick, Domain UQ	Adaptive Sampling	Multilevel quasi-Monte	Stereographic Multi-Try
	preserving discretization	for stationary and	Algorithm for Level-set	Carlo without replications,	Metropolis Algorithms for
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	defined in a domain, p. 66	using QMC, p. 68			p. 133
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	An adaptive Milstein-type	Domain Uncertainty	Double-loop randomized	nested Multilevel Monte	rejection-free samplers by
	method for strong	Quantification for	quasi-Monte Carlo	Carlo framework for	rebalancing skew-balanced
	approximation of systems	Electromagnetic Wave	estimator for nested	efficient simulations on	jump processes, p. 134
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	approximation of	clusterings: expectations	Bayesian Design of	on NVIDIA GPUs, p. 75	lifted samplers, p. 135
	jump-diffusion SDEs with	for perturbed and	Experiments via \widetilde{z}		
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			PDEs, p. 73		

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	Special Session, HH	Special Session, HH	Special Session, PH	WH Auditorium	HH Alumni Lounge
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	Monte Carlo Based	Algorithmic Discrepancy	efficiency in Monte Carlo	Empirical Statistical	gradient Langevin
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	Track A: Forward and	Track B: Hardware or	3 - Simulation	9 - Sampling	14 - Markov Chain Monte
	Inverse Problems for	Software for	Chair: TBD	Chair: TBD	Carlo
	Stochastic Reaction	(Quasi-)Monte Carlo			Chair: TBD
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