

| <b>Mon, Jul 28</b> | <b>Session</b>   |
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| 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)   |

| <b>Tue, Jul 29</b> | <b>Session</b>  |
|--------------------|---|
| 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)   |

| <b>Wed, Jul 30</b> | <b>Session</b>   |
|--------------------|--|
| 08:30–16:30        | Registration Desk Open (HH Lobby)  |
| 09:00–10:00        | Plenary Talk by Michaela Szölgvényi, U of Klagenfurt, An optimal transport approach 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)   |

| <b>Thu, Jul 31</b> | <b>Session</b>   |
|--------------------|--|
| 08:30–17:30        | Registration Desk Open (HH Lobby)  |
| 09:00–10:00        | Plenary Talk by Uros Seljak, UC Berkeley, Gradient-Based MCMC Sampling: Methods 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 Ballroom)  |
| 10:30–12:30        | Track C: Nested expectations: models and estimators, Part II (PH Auditorium)   |
| 10:30–12:30        | Track D: Technical Session 8 - Finance (WH Auditorium)   |
| 10:30–12:30        | 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 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 Ballroom)   |
| 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) ()  |

| <b>Fri, Aug 1</b> | <b>Session</b>  |
|-------------------|---|
| 08:30–12:15       | Registration Desk Open (HH Lobby)   |
| 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 Ballroom)       |
| 09:00–10:30       | Track C: Technical Session 3 - Simulation (PH Auditorium)                                     |
| 09:00–10:30       | 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 (HH Auditorium) |
| 12:00–12:15       | Closing Remarks (HH Auditorium)   |