

| <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        | Stochastic Computation and Complexity, Part I (HH Auditorium)                                      |
| 10:30—12:30        | Domain Uncertainty Quantification (HH Ballroom)  |
| 10:30—12:30        | Nested expectations: models and estimators, Part I (PH Auditorium)                                 |
| 10:30—12:30        | Hardware or Software for (Quasi-)Monte Carlo Algorithms, Part I (WH Auditorium)                    |
| 10:30-12:30        | Technical Session - 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        | Stochastic Computation and Complexity, Part II (HH Auditorium)                                     |
| 15:30—17:30        | Recent advances in optimization under uncertainty (HH Ballroom)                                    |
| 15:30—17:30        | Computational Methods for Low-discrepancy Sampling and Applications (PH Auditorium)                |
| 15:30—17:30        | Technical Session - Quasi-Monte Carlo, Part 1 (WH Auditorium)                                      |
| 15:30-17:30        | Technical Session - 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        | Stochastic Computation and Complexity, Part III (HH Auditorium)  |
| 10:30—12:30        | Next-generation optimal experimental design: theory, scalability, and real world impact: Part I (HH Ballroom)                                      |
| 10:30—12:30        | Heavy-tailed Sampling (PH Auditorium)  |
| 10:30—12:30        | Frontiers in (Quasi-)Monte Carlo and Markov Chain Monte Carlo Methods, Part I (WH Auditorium)  |
| 10:30-12:30        | Technical Session - 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 (HH Auditorium) |
| 15:00—15:30        | Coffee Break (HH Lobby)  |
| 15:30—17:30        | Stochastic Computation and Complexity, Part IV (HH Auditorium)   |
| 15:30—17:30        | Next-generation optimal experimental design: theory, scalability, and real world impact: Part II (HH Ballroom)                                     |
| 15:30—17:30        | Advances in Rare Events Simulation (PH Auditorium)   |
| 15:30—17:30        | Frontiers in (Quasi-)Monte Carlo and Markov Chain Monte Carlo Methods, Part II (WH Auditorium)   |
| 15:30-17:30        | Technical Session - 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 Szölgyenyi, 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        | Stochastic Computation and Complexity, Part V (HH Auditorium)  |
| 10:30—12:30        | Statistical Design of Experiments (HH Ballroom)  |
| 10:30—12:30        | Advances in Adaptive Hamiltonian Monte Carlo (PH Auditorium)   |
| 10:30—12:30        | Technical Session - Simulation (WH Auditorium)   |
| 10:30-12:30        | Technical Session - Sampling (HH Alumni Lounge)  |
| 12:30—14:00        | Lunch Break  |
| 14:00—16:00        | Stochastic Optimization (HH Auditorium)  |
| 14:00—16:00        | Recent Progress on Algorithmic Discrepancy Theory and Applications (HH Ballroom)   |
| 14:00—16:00        | Monte Carlo Applications in High-performance Computing, Computer Graphics, and Computational Science (PH Auditorium)                         |
| 14:00—16:00        | Technical Session - Statistics (WH Auditorium)   |
| 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        | QMC and Applications Part I (HH Auditorium)  |
| 10:30—12:30        | Analysis of Langevin and Related Sampling Algorithms, Part I (HH Ballroom)   |
| 10:30—12:30        | Nested expectations: models and estimators, Part II (PH Auditorium)  |
| 10:30—12:30        | Technical Session - Finance (WH Auditorium)  |
| 10:30-12:30        | Technical Session - 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        | QMC and Applications Part II (HH Auditorium)   |
| 15:30—17:30        | Analysis of Langevin and Related Sampling Algorithms, Part II (HH Ballroom)  |
| 15:30—17:30        | Recent Advances in Stochastic Gradient Descent (PH Auditorium)   |
| 15:30—17:30        | Technical Session - Sampling (WH Auditorium)   |
| 15:30-17:30        | Technical Session - 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—11:00       | Forward and Inverse Problems for Stochastic Reaction Networks (HH Auditorium)                 |
| 09:00—11:00       | Hardware or Software for (Quasi-)Monte Carlo Algorithms, Part II (HH Ballroom)                |
| 09:00—11:00—      | Technical Session - Simulation (PH Auditorium)  |
| 09:00—11:00—      | Technical Session - Sampling (WH Auditorium)  |
| 09:00—11:00       | Technical Session - Markov Chain Monte Carlo (HH Alumni Lounge)                               |
| 11:00-11:30       | Coffee Break (HH Lobby)   |
| 11:30-12:30—      | Plenary Talk by Veronika Ročková, U of Chicago, AI-Powered Bayesian Inference (HH Auditorium) |
| 12:30-12:45       | Closing Remarks (HH Auditorium)   |