TUESDAY
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8:50-9:00 opening remarks

9-10:00 KEYNOTE SPEAKER

10-10:30 coffee break

10:30-10:50 Symmetry Breaking in the Plane: Rendezvous by Robots with Unknown Attributes
J. Czyzowicz, L. Gasieniec, R. Killick, E. Kranakis

10:50-11:10 Composable computation in discrete chemical reaction networks
E. Severson, D. Haley, D. Doty

11:10-11:30 How to Spread a Rumor: Call Your Neighbors or Take a Walk?
G. Giakkoupis, F. Mallmann-Trenn, H. Saribekyan

11:30-12:00 Efficient size estimation and impossibility of termination in uniform dense population protocols
D. Doty, M. Eftekhari

On Counting the Population Size
P. Berenbrink, D. Kaaser, T. Radzik

12:00-12:20 Self-Stabilizing Leader Election
H. Chen, H. Chen

Y. Sudo, F. Ooshita, T. Izumi, H. Kakugawa, T. Masuzawa

12:25-12:30 Brief Announcement: On Site Fidelity and the Price of Ignorance in Swarm Robotic Central Place Foraging Algorithms
A. Aggarwal, D. Gupta, G. Fricke, M. Moses

12:30-2:00 LUNCH

2:00-2:20 Improved Distributed Expander Decomposition and Nearly Optimal Triangle Enumeration
Y. Chang, T. Saranurak

2:20-2:40 Fast Approximate Shortest Paths in the Congested Clique
K. Censor-Hillel, M. Dory, D. Leitersdorf, J. Korhonen

2:40-3:00 Quantum Distributed Algorithm for the All-Pairs Shortest Path Problem in the CONGEST-CLIQUE Model
T. Izumi, F. Le Gall

3:00-3:20 Deterministic Distributed Dominating Set Approximation in the CONGEST Model
J. Deurer, F. Kuhn, Y. Maus

R. Ben-Basat, G. Even, K. Kawarabayashi, G. Schwartzman
3:25-3:55 coffee break

3:55-4:15 Secure Distributed Computing Made Optimal
M. Parter, E. Yogev

4:15-4:35 With Great Speed Come Small Buffers: Space-Bandwidth Tradeoffs for Routing
A. Miller, B. Patt-Shamir, W. Rosenbaum

4:35-4:55 Plain SINR is Enough!
M. Halldorsson, T. Tonoyan

4:55-5:15 Efficient Multiparty Interactive Coding for Insertions, Deletions, and Substitutions
R. Gelles, Y. Kalai, G. Ramnarayan

5:15-5:20 Brief Announcement: Multiparty Interactive Communication with Private Channels
A. Aggarwal, V. Dani, T. Hayes, J. Saia

S. Li, S. Sahraei, M. Yu, S. Avestimehr, S. Kannan, P. Viswanath

5:25-5:30 Brief Announcement: On Termination of a Flooding Process
W. Hussak, A. Trehan

WEDNESDAY
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9-10am KEYNOTE SPEAKER

10-10:30 coffee break

10:30-10:50 Optimal Memory-Anonymous Symmetric Deadlock-Free Mutual Exclusion
Z. Aghazadeh, D. Imbs, M. Raynal, G. Taubenfeld, P. Woelfel

10:50-11:10 Constant Amortized RMR Complexity Deterministic Abortable Mutual Exclusion Algorithm for CC and DSM Models
P. Jayanti, S. Jayanti

11:10-11:30 Recoverable Mutual Exclusion with Sub-logarithmic RMR Complexity on CC and DSM machines
P. Jayanti, S. Jayanti, A. Joshi

11:30-11:50 Randomized Concurrent Set Union and Generalized Wake-Up
S. Jayanti, R. Tarjan, E. Boix-Adserà,

11:50-12:10 Strongly Linearizable Implementations of Snapshots and Other Types
S. Ovens, P. Woelfel

12:10-12:15 Brief Announcement: Fast Concurrent Data Sketches
A. Rinberg, A. Spiegelman, E. Bortnikov, E. Hillel, I. Keidar, H. Serviansky
12:15-12:20  Brief Announcement: Self-Stabilizing Snapshot Objects for Asynchronous Failure-Prone Networked Systems  
C. Georgiou, O. Lundström, E. Schiller  
W. Golab  
12:25-12:30  Brief Announcement: How Fast Reads Affect Multi-Valued Register Simulations  
S. Chaudhuri, R. Frank, J. Welch  
12:30-2:00 LUNCH  
2:00-2:20  Topological Characterization of Consensus under General Message Adversaries  
T. Nowak, U. Schmid, K. Winkler  
2:20-2:40  Can Distributed Uniformity Testing Be Local?  
U. Meir, D. Minzer, R. Oshman  
2:40-3:00  Hardness of Distributed Optimization  
N. Bachrach, K. Censor-Hillel, M. Dory, Y. Efron, D. Leitersdorf, A. Paz  
3:00-3:20  Broadcast Congested Clique: Planted Cliques and Pseudorandom Generators  
L. Chen, O. Grossman  
3:20-3:25  Brief Announcement: Connectivity Lower Bounds in Broadcast Congested Clique  
S. Pai, S. Pemmaraju  
3:25-3:30  Brief Announcement: Does Preprocessing Help under Congestion?  
K. Foerster, J. Korhonen, J. Rybicki, S. Schmid  
3:30-4:00 coffee break  
4:00-4:20  The distributed complexity of locally checkable problems on paths is decidable  
A. Balliu, S. Brandt, Y. Chang, D. Olivetti, M. Rabie, J. Suomela  
4:20-4:40  Hardness of exact distance queries in sparse graphs through hub labeling  
A. Kosowski, P. Uznański, L. Viennot  
4:40-5:00  On the Complexity of Distributed Splitting Problems  
P. Bamberger, M. Ghaffari, F. Kuhn, Y. Maus, J. Uitto  
5:00-5:20  On the Use of Randomness in Local Distributed Graph Algorithms  
M. Ghaffari, F. Kuhn  
5:20-5:25  Brief Announcement: Message Reduction in the LOCAL Model is a Free Lunch  
S. Bitton, T. Izumi, Y. Emek, S. Kutten  
5:25-5:30  Brief Announcement: P-SLOCAL-Completeness of Maximum Independent Set Approximation  
Y. Maus  

THURSDAY  
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9-10am KEYNOTE SPEAKER
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<th>Time</th>
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<td>10:00-10:30</td>
<td>coffee break</td>
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<td>10:30-10:50</td>
<td>The Consensus Number of a Cryptocurrency</td>
<td>R. Guerraoui, P. Kuznetsov, M. Monti, M. Pavlovic, D. Seredinschi</td>
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<td>11:10-11:30</td>
<td>Exact Byzantine Consensus on Undirected Graphs under Local Broadcast Model</td>
<td>M. Khan, S. Naqvi, N. Vaidya</td>
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<td>11:30-11:50</td>
<td>Asymptotically Optimal Validated Asynchronous Byzantine Agreement</td>
<td>I. Abraham, D. Malkhi, A. Spiegelman</td>
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<td>11:50-12:10</td>
<td>HotStuff: BFT Consensus with Linearity and Responsiveness</td>
<td>M. Yin, I. Abraham, G. Gueta, D. Malkhi, M. Reiter</td>
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<td>12:10-12:30</td>
<td>Fault Tolerant Gradient Clock Synchronization</td>
<td>J. Bund, C. Lenzen, W. Rosenbaum</td>
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<td>12:35-2:05</td>
<td>LUNCH</td>
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<td>2:05-2:35</td>
<td>Hardness of minimal symmetry breaking in distributed computing</td>
<td>A. Balliu, J. Hirvonen, D. Olivetti, J. Suomela</td>
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<td>An Automatic Speedup Theorem for Distributed Problems</td>
<td>S. Brandt</td>
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<td>Local Lemma</td>
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<td>2:55-3:15</td>
<td>Reconfigurable Atomic Transaction Commit</td>
<td>M. Bravo, A. Gotsman</td>
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<td>3:15-3:35</td>
<td>The Impact of RDMA on Agreement</td>
<td>M. Aguilera, N. Ben-David, R. Guerraoui, V. Marathe, I. Zablotchi</td>
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<td>3:40-3:45</td>
<td>Brief Announcement: Layering Data Structures over Skip Graphs for Increased NUMA Locality</td>
<td>S. Thomas, H. Mendes</td>
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<td>3:45-4:15</td>
<td>coffee break</td>
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<td>4:15-4:35</td>
<td>Partially Replicated Causally Consistent Shared Memory: Lower Bounds and An Algorithm</td>
<td>Z. Xiang, N. Vaidya</td>
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</table>
4:35-4:55 Vorpal: Vector Clock Ordering For Large Persistent Memory Systems
K. Korgaonkar, J. Izraelevitz, J. Zhao, S. Swanson

4:55-5:15 On the parallels between Paxos and Raft, and how to port optimizations
Z. Wang, C. Zhao, S. Mu, H. Chen, J. Li

5:15-5:20 Brief Announcement: Linearizable State Machine Replication of State-Based CRDTs without Logs
J. Skrzypczak, F. Schintke, T. Schütt

5:20-5:25 Brief Announcement: On mixing eventual and strong consistency: Bayou revisited
M. Kokociński, T. Kobus, P. Wojciechowski

5:25-5:30 Brief Announcement: Modular Machine-Checked Proofs of Concurrent Algorithms Built from Tasks
A. Castañeda, A. Hurault, P. Queinnec, M. Roy

FRIDAY

9:00-9:20 Massively Parallel Algorithms for Finding Well-Connected Components in Sparse Graphs
S. Assadi, X. Sun, O. Weinstein

9:20-9:40 The Complexity of (Δ + 1) Coloring in Congested Clique, Massively Parallel Computation, and Centralized Local Computation
Y. Chang, M. Fischer, M. Ghaffari, J. Uitto, Y. Zheng

9:40-10:00 Massively Parallel Computation of Matching and MIS inSparse Graphs
S. Behnezhad, S. Brandt, M. Derakhshan, M. Fischer, M. Hajiaghayi, R. Karp, J. Uitto

10:00-10:20 Weighted Matchings via Unweighted Augmentations
B. Gamlath, S. Kale, S. Mitrović, O. Svensson

10:20-10:50 coffee break

10:50-11:10 Implementing Mediators with Asynchronous Cheap Talk
I. Abraham, D. Dolev, I. Geffner, J. Halpern

11:10-11:30 Distributed Minimum Degree Spanning Trees
M. Dinitz, M. Halldorsson, T. Izumi, C. Newport

11:30-11:50 Improved Distributed Approximations for Minimum-Weight Two-Edge-Connected Spanning Subgraph
M. Dory, M. Ghaffari

11:50-12:10 Near-Additive Spanners In Low Polynomial Deterministic CONGEST Time
M. Elkin, S. Matar

12:10-12:30 A Trivial Yet Optimal Solution to Vertex Fault Tolerant Spanners
G. Bodwin, S. Patel

12:30-12:35 closing remarks