DAY 0: Monday July 24th
Marvin Center, Continental BR
16:00 - 18:00 David Peleg Birthday Celebration
18:00 - 19:30 PODC 2017's reception

DAY 1: Tuesday, July 25th
Marvin Center, Grand BR
8:30 - 8:40 OPENING

Marvin Center, Grand BR
8:40 - 9:40 KEYNOTE LECTURE 1
Some Sequential Algorithms are Almost Always Parallel. Guy Blelloch (CMU)
9:40 - 10:00 COFFEE BREAK

Marvin Center, Continental BR
10:00 - 11:55 SESSION 1
Session Chair: Jennifer Welch (Texas A&M University)
10:00 - 10:23 Exploiting Spontaneous Transmissions for Broadcasting and Leader Election in Radio Networks. Artur Czumaj (University of Warwick) and Peter Davies (University of Warwick), (Best Student Paper)
10:23 - 10:46 The Space Requirement of Local Forwarding on Acyclic Networks. Boaz Patt-Shamir (Tel Aviv University) and Wil Rosenbaum (Tel Aviv University)
10:46 - 11:09 Communication Primitives in Cognitive Radio Networks. Seth Gilbert (National University of Singapore), Fabian Kuhn (University of Freiburg) and Chaodong Zheng (Nanjing University)
11:32 - 11:55 A Distributed Learning Dynamics in Social Groups. L. Elisa Celis (EPFL), Peter Krafft (MIT) and Nisheeth Vishnoi (EPFL)

Marvin Center, Grand BR
12:00 - 13:30 LUNCH

Marvin Center, Continental BR
13:30 - 15:14 SESSION 2
Session Chair: Faith Ellen (University of Toronto)
14:16 - 14:39 Seeing is Believing: A client-centric specification of database isolation. Natacha Crooks (University of Texas), Yuier Pu (Cornell University), Lorenzo Alvisi (University of Texas) and Allen Clement (Google)
14:39 - 15:02 The Space Complexity of Fault Tolerant Register Emulations. Gregory Chockler (Royal Holloway, University of London) and Alexander Spiegelman (Technion)
15:02 - 15:08 Brief Announcement: Readers of Unbounded Registers Must Write. Eric Ruppert (York University)
15:14 - 15:20 Brief Announcement: Fence Insertion for Straight-line Programs is in P. Mohsen Lesani (University of California, Riverside)

Marvin Center, Grand BR
15:20 - 15:40 COFFEE BREAK

Marvin Center, Continental BR
15:40 - 17:41 SESSION 3
Session Chair: Kishori Konwar (MIT)
15:40 - 16:03 LCL problems on grids. Sebastian Brandt (ETH Zürich), Juho Hirvonen (IRIF, CNRS and University Paris (Denot)), Janne H. Korhonen (Aalto University), Tuomas Lempiäinen (Aalto University), Patric R. J. Östergård (Aalto University), Christopher Purcell (Aalto University), Joel Rybicki (Aalto University), Jukka Suomela (Aalto University) and Przemyslaw Uznanski (ETH Zürich)
16:03 - 16:26 On The Multiparty Communication Complexity of Testing Triangle-Freeness. Orl Fischer (Tel Aviv University), Shay Gerstein (Tel Aviv University) and Rotem Oshman (Tel Aviv University)
16:26 - 16:49 What can be sampled locally? Weiming Feng (Nanjing University), Yuxin Sun (Nanjing University) and Yitong Yin (Nanjing University)
16:49 - 17:12 Distributed MST and Routing in Almost Mixing Time. Mohsen Ghaffari (ETH Zurich), Fabian Kuhn (University of Freiburg) and Hsin-Hao Su (MIT)
17:12 - 17:35 Distributed MIS via All-to-All Communication. Mohsen Ghaffari (ETH Zürich)
17:35 - 17:41 Brief Announcement: Optimal address-oblivious epidemic dissemination. Hugues Mercier (Université de Neuchâtel), Laurent Hayez (Université de Neuchâtel) and Miguel Matos (Universidade de Lisboa)

BANQUET
DAY 2: Wednesday, July 26th

Marvin Center, Grand BR
8:40 - 9:40  KEYNOTE LECTURE 2
Blockchains and the Future of Distributed Computing. Maurice Herlihy (Brown University)

9:40 - 10:00  COFFEE BREAK

Marvin Center, Continental BR
10:00 - 11:56  SESSION 4
Session Chair: Calvin Newport (Georgetown University)

10:00 - 10:23  A Simple Deterministic Distributed MST Algorithm, with Near-Optimal Time and Message Complexities. Michael Elkin (Ben-Gurion University of the Negev) (Best Paper)

10:23 - 10:46  Distributed Approximation of Maximum Independent Set and Maximum Matching. Reuven Bar-Yehuda (Technion IIT), Keren Censor-Hillel (Technion IIT), Mohsen Ghaffari (MIT) and Gregory Schwartzman (Technion IIT)

10:46 - 11:09  Deterministic Distributed (Delta + o(Delta))-Edge-Coloring, and Vertex-Coloring of Graphs with Bounded Diversity. Leonid Barenboim (Open University of Israel), Michael Elkin (Ben-Gurion University of the Negev) and Tzahi Maimon (Open University of Israel)

11:09 - 11:32  Optimal Distance Labeling Schemes for Trees. Ofer Freedman (University of Haifa), Pawel Gawrychowski (University of Haifa), Patrick Nicholson (Bell Labs) and Oren Weimann (University of Haifa)

11:32 - 11:38  Brief Announcement: How large is your graph? Varun Kanade (University of Oxford), Frederik Mallmann-Trenn (École normale superieure) and Victor Verdugo (École normale superieure)

11:38 - 11:44  Brief Announcement: Distributed Approximation for Tree Augmentation. Keren Censor-Hillel (Technion) and Michal Dory (Technion)

11:44 - 11:50  Brief Announcement: Leader Election in SINR using Arbitrary Transmission Power Control. Magnus Hallström (Reykjavik University), Stephan Holzer (MIT) and Evangelia Anna Markatou (MIT)

11:50 - 11:56  Brief Announcement: Symmetry Breaking in the CONGEST Model: Message- and Time-Efficient Algorithms for Ruling Sets. Shreyas Pai (The University of Iowa), Gopal Pandurangan (University of Houston), Sriram Pemmaraju (The University of Iowa), Talal Riaz (The University of Iowa) and Peter Robinson Royal Holloway, University of London)

Marvin Center, Grand BR
12:00 - 13:30  LUNCH

Marvin Center, Continental BR
13:30 - 15:20  SESSION 5
Session Chair: Nancy Lynch (MIT)

13:30 - 13:53  Recoverable Mutual Exclusion in Sub-logarithmic Time. Wojciech Golab (University of Waterloo) and Danny Hendler (Ben-Gurion University)

13:53 - 14:16  Randomized Abortable Mutual Exclusion with Constant Amortized RMR Complexity on the CC. George Giakkoupis (NRAI Rennes) and Philipp Woelfel (University of Calgary)

14:16 - 14:39  Transactional Lock Elision Meets Combining. Alex Kogan (Oracle Labs) and Yossi Lev (Oracle Labs)

14:39 - 15:02  On Using Time Without Clocks via Zigzag Causality. Asa Dan (Technion), Rajit Manohar (Yale) and Yoram Moses (Technion)

15:02 - 15:08  Brief Announcement: Proust: A Design Space for Highly-Concurrent Transactional Data Structures. Thomas Dickerson (Brown University), Paul Gazzillo (Yale University), Eric Koskinen (Yale University) and Maurice Herlihy (Brown University)

15:08 - 15:14  Brief Announcement: Gossiping with Latencies. Seth Gilbert (National University of Singapore), Peter Robinson (Royal Holloway, University of London) and Suman Sourav (National University of Singapore)

15:14 - 15:20  Brief Announcement: A Probabilistic Performance Model and Tuning Framework for Eventually Consistent Distributed Storage Systems. Shankha Chatterjee (University of Waterloo) and Wojciech Golab (University of Waterloo)

Marvin Center, Grand BR
15:20 - 15:40  COFFEE BREAK

Marvin Center, Continental BR
15:40 - 17:35  SESSION 6
Session Chair: Gadi Taubenfeld (IDC Herzliya)

15:40 - 16:03  Effectiveness of Delaying Timestamp Computation. Sandeep Kulkarni (Michigan State University) and Nitin Vaidya (UIUC)

16:03 - 16:26  Symmetry Breaking with Noisy Processes. Seth Gilbert (National University of Singapore) and Calvin Newport (Georgetown University)

16:26 - 16:49  The Power of Choice in Priority Scheduling. Dan Alastoth (ETH), Justin Kipinski (MIT) and Jerry Li (University of Washington) and Giorgi Nadiradze (ETH)

16:49 - 17:12  A Template For Implementing Fast Lock-free Trees Using HTM. Trevor Brown (University of Toronto)

17:12 - 17:35  Adding Concurrency to Smart Contracts. Thomas Dickerson (Brown University), Paul Gazzillo (Yale University), Maurice Herlihy (Brown University) and Eric Koskinen (Yale University)

Marvin Center, Continental BR
18:00 - 19:30  BUSSINESS MEETING
DAY 3: Thursday, July 27th

Marvin Center, Rm309
8:40 - 9:40  KEYNOTE LECTURE 3
Verifiable Outsourced Computation: A Survey. Rosario Gennaro (CUNY)

Marvin Center, Continental BR
9:40 - 10:00  COFFEE BREAK

Marvin Center, Rm309
10:00 - 11:56  SESSION 7  Session Chair: Lorenzo Alvisi (University of Texas and Cornell University)

10:00 - 10:23  Fruitchains: A Fair Blockchain. Rafael Pass (Cornell Tech) and Elaine Shi (Cornell)
10:23 - 10:46  Coordination Without Prior Agreement. Gadi Taubenfeld (The Interdisciplinary Center)
10:46 - 11:09  Ignore or Comply? On Breaking Symmetry in Consensus. Petra Benrebriek (University of Hamburg), Andrea Clementi (Università di Roma Tor Vergata), Robert Elsässer (University of Salzburg), Peter Klaw (University of Hamburg), Fredrik Mallmann-Trenn (École normale supérieure) and Emanuele Natale (Max-Planck-Institut)
11:09 - 11:22  Life Beyond Set Agreement. David Yu Cheng Chan (University of Toronto), Vassos Hadzilacos (University of Toronto) and Sam Toueg (University of Toronto)
11:22 - 11:38  Brief Announcement: Hierarchical Consensus. Benjamin Bengfort (University of Maryland) and Pete Keleher (University of Maryland)
11:38 - 11:44  Brief Announcement: Digital Liquid Democracy: How to Vote Your Delegation Statement. Bingsheng Zhang (Lancaster University) and Hong-Sheng Zhou (Virginia Commonwealth University)
11:44 - 11:50  Brief Announcement: Rapid Asynchronous Plurality Consensus. Robert Elsässer (University of Salzburg), Tom Frickhofer (Durham University), Dominik Kaiser (University of Hamburg), Fredrik Mallmann-Trenn (Simon Fraser University) and Horst Trinker (University of Salzburg)

11:50 - 12:00  LUNCH

Marvin Center, Rm309
13:30 - 15:20  SESSION 8  Session Chair: Irina Calciu (VMware Research)

13:30 - 13:53  Greedy Routing and the Algorithmic Small-World Phenomenon. Karl Bringmann (Max Planck Institute for Informatics), Ralph Keusch (ETH Zurich), Johannes Lengler (ETH Zurich), Yannic Maus (University of Freiburg) and Anisur Molla (NISER Bhubaneswar)
13:53 - 14:16  Triangle Finding and Listing in CONGEST networks. Taiko Itami (Nagoya Institute of Technology) and Francois Le Gall (Kyoto University)
14:16 - 14:39  Asynchronous Shared Channel. Gianluca D'Marco (University of Salerno) and Grzegorz Stachowiak (University of Wroclaw)
14:39 - 15:02  Self-organized segregation on the grid. Hamed Omidvar (UCSD) and Massimo Franceschetti (UCSD)
15:02 - 15:08  Brief Announcement: An Efficient Silent Self-Stabilizing 1-Maximal Matching Algorithm under Distributed Daemon for Arbitrary Networks. Michiko Inoue (Nara Institute of Science and Technology) and Francois Le Gall (Kyoto University)
15:08 - 15:14  Brief Announcement: Self-stabilizing Secure Computation. Shiemi Dokey (Ben-Gurion University of the Negev), Karin Elderhouse (SRI International), Juan Garay (Yahoo Research Labs), Muri Venkateswarlu Kumaramangalam (Ben-Gurion University of the Negev), Rafal Ostrovsky (UCLA) and Moli Yung (Columbia University)
15:14 - 15:20  Brief Announcement: Stateless Computation. Danny Dokey (Hebrew University), Michael Erdmann (Carnegie Mellon University), Net Lutz (Rutgers University), Michael Schapira (Hebrew University) and Advait Zar (The Hebrew University of Jerusalem)

Marvin Center, Continental BR
12:00 - 13:30  LUNCH

Marvin Center, Rm309
15:20 - 15:40  COFFEE BREAK

Marvin Center, Rm309
15:40 - 17:17  SESSION 9  Session Chair: Alexander Schwarzmann (University of Connecticut)

15:40 - 16:03  Towards Efficient Verification of Population Protocols. Michael Blondin (Technische Universität München), Javier Esparza (Technische Universität München), Stefan Jaax (Technische Universität München) and Philipp J. Meyer (Technische Universität München)
16:03 - 16:26  Clocked population protocols. James Aspnes (Yale University)
16:26 - 16:49  Gossip in a Smartphone Peer-to-Peer Network. Calvin Newport (Georgetown University)
16:49 - 16:55  Brief Announcement: Population protocols for leader election and exact majority with $O((log^2 n)/(log^2 n))$ states and $O((log^2 n)/(log^2 n))$ convergence time. Andreas B. Birk (University of Salzburg), Colin Cooper (King’s College London), Robert Elsässer (University of Salzburg) and Tomasz Radzik (King’s College London)
17:01 - 17:17  Brief Announcement: Certified Multiplicative Weights Update, or Verified Learning Without Regret. Alexander Bagnall (Ohio University), Samuel Merten (Ohio University) and Gordon Stewart (Ohio University)

Marvin Center, Rm309
17:20 - 17:30  CLOSING OF PODC