

SSS 2021 Schedule

17th November

Time	Chair	Authors	Title	
7:45 EST		Colette Johnen and Stefan Schmid	Opening session	01 01 01
8:00 EST	Colette Johnen	Idit Keidar	Keynote: Byzantine Agreement with Less Communication	01 01 02
9:00 EST		BREAK	BREAK	
9:10 EST	Xavier Défago	Archak Das, Kaustav Bose and Buddhadeb Sau	<i>Best student paper</i> - Exploring a Dynamic Ring without Landmark	01 02 01
9:20 EST		Teruo Higashino, Akira Uchiyama, Hirozumi Yamaguchi, Shunsuke Saruwatari, Takashi Watanabe and Toshimitsu Masuzawa	Invited Paper: A New Problem Setting for Mobile Robots based on Backscatter-based Communication and Sensing	01 02 02
9:30 EST		Rikuo Nakai, Yuichi Sudo and Koichi Wada	Asynchronous Gathering Algorithms for Autonomous Mobile Robots with Lights	01 02 03
9:40 EST		Joshua Daymude, Noble Harasha, Andréa Richa and Ryan Yiu	Invited Paper: Deadlock and Noise in Self-Organized Aggregation Without Computation	01 02 04
9:50 EST		Rory Hector, Ramachandran Vaidyanathan, Gokarna Sharma and Jerry Trahan	Brief Announcement: On Optimal Doorway Egress by Autonomous Robots	01 02 05
9:55 EST		BREAK	BREAK	
10:05 EST	Lélia Blin	Rongcheng Dong, Yuichi Sudo, Taisuke Izumi and Toshimitsu Masuzawa	Loosely-Stabilizing Maximal Independent Set Algorithms with Unreliable Communications	01 03 01
10:15 EST		Andrew Berns	Network Scaffolding for Efficient Stabilization of the Chord Overlay Network	01 03 02
10:25 EST		Andrew Berns	Applications and Implications of a General Framework for Self-Stabilizing Overlay Networks	01 03 03
10:35 EST		Arya Gupta and Sandeep Kulkarni	Extending Lattice linearity for Self-Stabilizing Algorithms	01 03 04
10:45 EST		Johanne Cohen, Laurence Pilard and Jonas Sénizergues	Brief Announcement: Self-Stabilization and Byzantine Tolerance for Maximal Independent Set	01 03 05
10:50 EST		BREAK	BREAK	
11:00 EST	Elad Schiller	Ronitt Rubinfeld	Keynote: Locality in Computation	01 04 01

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Time		Authors	Title	
9:00 EST	Stefan Schmid	Paul Spirakis	Keynote: Actively Dynamic Networks	02 01 01
10:00 EST		BREAK	BREAK	
10:10 EST	Christian Scheideler	Zoe Leyva-Acosta, Eduardo Pascual-Aseff and Sergio Rajsbaum	Information Exchange in the Russian Cards Problem	02 02 01
10:20 EST		Karim Eldefrawy, Nicholas Genise, Rutuja Kshirsagar and Moti Yung	On Regenerating Codes and Proactive Secret Sharing: Relationships and Implications	02 02 02
10:30 EST		Michael Fischer, Jonathan Hochman and Daniel Boffa	Invited Paper: Privacy-Preserving Sharing of Medical Data for Research	02 02 03
10:40 EST		Ivan Geffner and Joseph Halpern	Invited Paper: Security in Asynchronous Interactive Systems	02 02 04
10:50 EST		Shlomi Dolev and Ziyu Wang	Brief Announcement: SodsBC/SodsBC++ \& SodsMPC: Post-quantum Asynchronous Blockchain Suit for Consensus and Smart Contracts	02 02 05
10:55 EST		Amr Osman, Jeannine Born and Thorsten Strufe	Brief Announcement: Mitigating Internal, Stealthy Denial of Service Attacks in Microservice Networks	02 02 06
11:00 EST		BREAK	BREAK	
11:10 EST	Pierre Fraigniaud	Michael Luby	Keynote: A Liquid Networking Approach to Delivering the Metaverse	02 03 01

SSS 2021 Schedule

19th November

Time		Authors	Title	
08:00 EST		Business meeting	Business meeting	03 01 01
08:50 EST		BREAK	BREAK	
9:00 EST	Jukka Suomela	Louis Penet de Monterno, Bernadette Charron-Bost and Stephan Merz	<i>Best paper</i> - Synchronization modulo k in Dynamic Networks	03 02 01
9:10 EST		Timothe Albouy, Davide Frey, Michel Raynal and Francois Taiani	Invited Paper: Byzantine-tolerant reliable broadcast in the presence of silent churn	03 02 02
9:20 EST		Pierre Fraigniaud	Invited Paper: How Do Mobile Agents Benefit From Randomness?	03 02 03
9:30 EST		Manfred Schwarz and Ulrich Schmid	Invited Paper: Round-Oblivious Stabilizing Consensus in Dynamic Networks	03 02 04
9:35 EST		Matan Rusanovsky, Hagit Attiya, Danny Hendler, Tom Gerby, Ohad Ben-Baruch and Pedro Ramalhete	Brief Announcement: Flat-Combining-Based Persistent Data Structures for Non-Volatile Memory	03 02 05
9:45 EST		Kaile Huang, Hengfeng Wei, Yu Huang, Haixiang Li and Anqun Pan	Brief Announcement: Byz-GentleRain: An Efficient Byzantine-tolerant Causal Consistency Protocol	03 02 06
9:50 EST		BREAK	BREAK	
10:00 EST	Alexander Schwarzmann	Nancy Lynch	Keynote: Ant Colony House-Hunting Algorithms	03 03 01
11:00 EST		BREAK	BREAK	
11:10 EST	Philipp Woelfel	Jiajia Zhao, Lili Su and Nancy Lynch	Invited Paper: Lack of Quorum Sensing Leads to Failure of Consensus in Temnothorax Ant Emigration	03 04 01
11:20 EST		Dingyu Wang	Optimal Protocols for 2-Party Contention Resolution	03 04 02
11:30 EST		Alexander Schwarzmann	Invited Paper: Towards a Robust Distributed Framework for Election-Day Voter Check-in	03 04 03
11:40 EST		Daniel Engel, Maurice Herlihy and Yingjie Xue.	Invited Paper: Failure is (literally) an Option: Atomic Commitment vs Optionality in Decentralized Finance	03 04 04
11:50 EST		Michael Feldmann, Andreas Padalkin, Christian Scheideler and Shlomi Dolev	Brief Announcement: Coordinating Amoebots via Reconfigurable Circuits	03 04 05
11:55 EST		Amos Brocco	Brief Announcement: Delta-State JSON CRDT: Putting Collaboration on Solid Ground	03 04 06

SSS 2021 Schedule

20th November

Time		Authors	Title	
8:50 EST	Sébastien Tixeuil	Pedro Montealegre, Diego Ramírez-Romero and Ivan Rapaport	Compact Distributed Interactive Proofs for the Recognition of Cographs and Distance-Hereditary Graphs	04 01 01
9:00 EST		Burcu Canakci, Lorenzo Alvisi and Robbert Van Renesse	Invited Paper: Building Systems of Systems with Escher	04 01 02
9:10 EST		Yehuda Afek, Gal Giladi and Boaz Patt-Shamir	Invited Paper: Distributed Computing With the Cloud	04 01 03
9:20 EST		Vijay Garg	Invited Paper: A Lattice Linear Predicate Parallel Algorithm for the Housing Market Problem	04 01 04
9:30 EST		Jakub Sliwinski and Roger Wattenhofer.	Invited Paper: Asynchronous Proof-of-Stake	04 01 05
9:40 EST		Yukiko Yamauchi, Naoyuki Kamiyama and Yota Otachi	Brief Announcement: Distributed Reconfiguration of Spanning Trees	04 01 06
9:45 EST		BREAK	BREAK	
9:55 EST	Partha Sarathi Mandal	Jannik Castenow, Thorsten Götte, Till Knollmann and Friedhelm Meyer Auf der Heide	The Max-Line-Formation Problem and new Insights for Gathering and Chain-Formation	04 02 01
10:05 EST		Masahiro Shibata, Yuichi Sudo, Junya Nakamura and Yonghwan Kim	Partial gathering of mobile agents in dynamic rings	04 02 02
10:15 EST		Quentin Bramas, Anissa Lamani and Sebastien Tixeuil	The agreement power of disagreement	04 02 03
10:25 EST		Yotam Ashkenazi, Shlomi Dolev, Sayaka Kamei, Yoshiaki Katayama, Fukuhito Ooshita and Koichi Wada	Location Functions for Self-Stabilizing Byzantine Tolerant Swarms	04 02 04
10:35 EST		Jared Coleman, Evangelos Kranakis, Oscar Morales Ponce and Danny Krizanc	Message Delivery in the plane by Robots with Different Speeds	04 02 05
10:45 EST		Thibaut Balabonski, Pierre Courtieu, Robin Pelle, Lionel Rieg, Sebastien Tixeuil and Xavier Urbain	Brief Announcement: Computer Aided Formal Design of Swarm Robotics Algorithms	04 02 06
10:50 EST		BREAK	BREAK	
11:00 EST	Vijay Garg	Jeffrey Ullman	Keynote: Computational Complexity Theory for MapReduce	04 02 01
12:00 EST		Elad Schiller	Closing session	04 02 02