

### Monday Workshops

	<a href="#">ADGA</a>	<a href="#">CELLS</a>	<a href="#">APPLIED</a>	<a href="#">BTT</a>	
9:00	<b>Thomas Sauerwald:</b> <i>Random Walks on Dynamic Graphs</i>	<b>Janna Burman:</b> Tutorial On Population Protocols.	9:00 Opening and introduction of everyone	<b>Jing Chen:</b> Algorand: A Secure, Scalable and Decentralized Blockchain	9:00
9:40			9:15 <b>Idit Keidar:</b> Transactional Data Structure Libraries	<b>Zarko Milosevic:</b> Crime and Punishment in Tendermint	9:40
10:00	Coffee break	Coffee break	Coffee break	Coffee break	10:00
10:20					10:20
10:30	<b>Sebastian Brandt:</b> <i>Automatic Round Elimination: A New Approach for Proving Complexity Bounds in the LOCAL Model</i>	<b>Alexander Fedorec:</b> Constructing Synthetic Microbial Communities	10:30 <b>Zoltan Turanyi:</b> Approaches to Data Sharing in Edge FaaS	<b>Christian Matt:</b> TBA	10:30
10:50			11:15 <b>Nitin Vaidya:</b> To build, or Not to Build, That Is the Question		10:50
11:30	<b>Endre Csóka:</b> Random local algorithms from the graph limits perspective	<b>Thomas Gorochowski:</b> Towards A Complete And Quantitative View Of Genetic Circuit Function.	11:45 Invited panel: Idit Keidar, Zoltan Turanyi, and Nitin Vaidya Chair: Miguel Matos	<b>Alysson Bessani:</b> Adapting to Evolving Threats against BFT Systems with Weighted and Diverse Replication	11:30
12:10					12:10
12:15					12:15
12:30	Lunch break	Lunch break	Lunch break	Lunch break	12:30
14:00	<b>Silvio Lattanzi:</b> <i>Large scale algorithms, clustering, and the MPC model</i>	<b>Alfonso Jaramillo:</b> TBA	14:00 <b>Ethan Buchman:</b> Building and Testing Byzantine Fault Tolerant State Machines	<b>Krzysztof Pietrzak:</b> Bitcoin-like blockchains from efficient proof systems	14:00
14:40			14:45 <b>Self Haridi:</b> Arcon for Continuous Deep Analytics	<b>Peter Gaži:</b> Layer-1 Scalability of Eventual-Consensus Blockchain Protocols	14:40
15:00	<b>Thatchaphol Saranurak:</b> <i>Expander decomposition: applications to dynamic and distributed algorithms</i>	<b>Manish Kushwaha:</b> Tutorial On Computing In Synthetic Biology	15:30 <b>Jing Chen:</b> Algorand: From Theory to Practice	<b>Petr Kuznetsov:</b> The consensus number of a cryptocurrency	15:00
15:20					15:20
16:00	Coffee break	Coffee break	Coffee break	Coffee break	16:00
16:30	<b>Rotem Oshman:</b> <i>Distributed Property Testing — Progress and Challenges</i>	<b>Ana Zuniga-Sepulveda:</b> Rational Programming Of History-Dependent Logic In Cellular Populations	16:30 <b>Gadi Taubenfeld:</b> Weak Models for Distributed Computing	Discussion and Brainstorming	16:30
17:15			17:10 <b>Axel Niklasson:</b> plcli - a Tool for Running Distributed Applications on PlanetLab	Workshop ends	17:15
17:30	Workshop ends	Workshop ends	17:20 Invited panel and open discussion Ethan Buchman, Self Haridi, Jing Chen, Gadi Taubenfeld Chair: Annie Liu		17:30
			17:50 Closing remarks		

### Friday Workshops

	<a href="#">DIADN</a>	<a href="#">DCC</a>	<a href="#">FRIDA</a>	<a href="#">HDT</a>	
9:00		9:10 Opening	9:00 <b>Hagit Attiya:</b> In the eye of the beholder—the role of the observer in observational refinement	<b>Alex Yakovlev:</b> Stacked Asynchronous Circuits	9:00
9:40	09:15 <b>Janna Burman:</b> Self-stabilizing Population Protocols	9:15 <b>Stefan Schmid:</b> Demand-aware and distributed cloud networking: Let's get physical!	9:30 <b>Cezara Dragoi:</b> Communication-Closed Asynchronous Protocols		9:40
10:00	Coffee break	Coffee break	Coffee break	Coffee break	10:00
10:20					10:20
10:30	10:30 <b>Arnaud Castelgts:</b> Exploiting Temporal Properties in Dynamic Networks: An Overview	10:30 <b>Giovanni Neglia:</b> Machine Learning Training: Research Challenges and Opportunities for Distributed Computing	10:30 <b>Annie Liu:</b> Distributed Algorithms Made Clear: for Understanding by Humans and Reasoning by Machines	<b>Osnat Keren:</b> Reliable and secure communication in Globally Asynchronous Locally Synchronous (GALS) systems	10:30
10:50			11:00 <b>Vincent Rahli:</b> Asphaltion: Trustworthy Shielding Against Byzantine Faults		10:50
11:30	11:15 <b>Paul G. Spirakis:</b> The impact of temporal availability patterns on the Complexity of Temporal Problems : An analysis of two cases	11:15 <b>Robert Birke:</b> Towards autonomous industries	11:30 <b>Marijana Lazic:</b> Parameterized Verification of Randomized Consensus Algorithms under Round-Rigid Adversaries	<b>Yoram Moses:</b> Asynchronous Signalling Processes	11:30
12:10					12:10
12:15			12:00 <b>Vincent Gramoli:</b> Certifying Blockchain Byzantine Fault Tolerance		12:15
12:30	12:00 Lunch break	12:00 Lunch break	Lunch break	Lunch break	12:30
14:00	<b>Andrea Richa:</b> Algorithmic Foundations of Programmable Matter	14:00 <b>Ivona Brandić:</b> Resilience at the Edge	14:00 <b>Faith Ellen:</b> Proving the Correctness of an Optimal Implementation of Fetch-and-Increment		14:00
14:40	14:45 <b>Gregory Schwartzman:</b> Fast and Simple Deterministic Algorithms for Highly-Dynamic Networks	14:45 <b>Róbert Szabó:</b> End-to-end Orchestration Automation in Distributed Cloud: Resource, Service and Multi-stakeholders Aspects	14:45 <b>András Vörös:</b> Modeling, verification and code generation for distributed reactive controllers – An engineer-centric toolchain	<b>Ulrich Schmid:</b> Digital Modeling of Asynchronous Integrated Circuits	14:40
15:00	15:30 <b>Leszek Gasieniec:</b> Perpetual network monitoring	15:30 <b>Roy Friedman:</b> Practical Network Monitoring in Software Switches	15:15 <b>Discussion:</b> Do distributed algorithms need formal methods?	<b>Ran Gelles:</b> Optimal Short-Circuit Resilient Formulas	15:00
15:20					15:20
16:00	16:15 Coffee break	16:15 Coffee break	Coffee break	Coffee break	16:00
16:30	16:45 <b>Sébastien Tixeuil:</b> Mitigating faults in Mobile Robotic Swarms	16:45: <b>The Distributed Cloud:</b> Theory Meets Practice - Panel	16:30 <b>Bernhard Kragl:</b> Inductive Sequentialization of Asynchronous Programs	<b>Christoph Lenzen:</b> Embracing Uncertainty - What We Can, Cannot, and Would Like to Do When Facing Metastability	16:30
17:15			17:00 <b>Roman Kuznets:</b> Byzantine Causal Cone		17:15
17:30	Workshop ends		17:30 <b>Sven Jacobs:</b> Parameterized Reasoning for Distributed Systems with Consensus	Workshop ends	17:30
			18:00 Workshop ends		