ApPLIED Workshop, June 19, 2023

Time	Chair	Authors	Title
8:55 EDT		Amy Babay (PC co-chair)	Openning session
9:00 EDT	Annie Liu	Yair Amir (Johns Hopkins University, USA)	[Keynote] Persistent Control Plane for a Global Cloud - from an Abstract Algorithm to a Deployed Service
		LEG STRETCH	BREAK
10:00 EDT	Chryssis Georgiou	Xinwen Wang (Cornell University) and Robbert van Renesse (Cornell University)	[Invited Paper] Disaggregating Applications Using Uniservices
10:30 EDT		Isaac Grosof (Carnegie Mellon University) and Mor Harchol-Balter (Carnegie Mellon University)	[Invited Short Paper] ServerFilling: A better approach to packing multiserver jobs
10:45 EDT		Divyanshu Saxena (UT Austin), William Zhang (UT Austin), Madhav Tummala (UT Austin), Saksham Goel (UT Austin), and Aditya Akella (UT Austin and Google)	[Invited Short Paper] Towards Efficient Microservice Communication
11:00 EDT		COFFEE / PLENARY TALK / LUNCH	BREAK
14:00 EDT	Amy Babay	Yashuo Wu (University of California, Irvine), Carla Fabiana Chiasserini (Politecnico di Torino), Francesco Malandrino (CNR-IEIIT), and Marco Levorato (University of California, Irvine)	[Invited Short Paper] Enhancing Privacy in Federated Learning via Early Exit
14:15 EDT		Zhi Wei Gan (Massachusetts Institute of Technology), Grace Cai (Massachusetts Institute of Technology), Noble Harasha (Massachusetts Institute of Technology), Nancy Lynch (Massachusetts Institute of Technology), and Julian Shun (Massachusetts Institute of Technology)	[Short Research Statement] ParSwarm: A C++ Framework for Evaluating Distributed Algorithms for Robot Swarms
14:30 EDT		Kumar Shivam (Stony Brook University), Vishnu Paladugu (Stony Brook University), and Yanhong A. Liu (Stony Brook University)	Specification and Runtime Checking of Derecho, A Protocol for Fast Replication for Cloud Services
15:00 EDT		Boyapally Harishma (Indian Institute of Technology Kharagpur), Chandan Kumar Chaudhary (Indian Institute of Technology Kharagpur), and Debdeep Mukhopadhyay (Indian Institute of Technology Kharagpur)	[Invited Paper] Oblivious Transfer Protocol without Physical Transfer of Hardware Root-of-Trust
15:30 EDT		COFFEE	BREAK

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16:00 EDT	Annie Liu	Joseph Hellerstein (University of California, Berkeley), Shadaj Laddad (University of California, Berkeley), **Mae Milano** (University of California, Berkeley), Conor Power (University of California, Berkeley), and Mingwei Samuel (Sutter Hill Ventures)	[Invited Paper] Initial Steps Toward a Compiler for Distributed Programs
16:30 EDT		**Hanish Gogada** (University of Stavanger), Hein Meling (University of Stavanger), Leander Jehl (University of Stavanger), and John Ingve Olsen (University of Stavanger)	An Extensible Framework for Implementing and Validating Byzantine Fault-Tolerant Protocols
		LEG STRETCH	BREAK
17:10 EDT	Amy Babay	**Gauthier Voron** (Ecole Polytechnique Fédérale de Lausanne, EPFL) and Vincent Gramoli (University of Sydney)	[Invited Short Paper] Planetary Scale Byzantine Consensus
17:25 EDT		**Dahlia Malkhi** (Chainlink Labs) and **Maofan Yin** (Chainlink Labs)	[Invited Short Paper] Lessons from HotStuff
17:35 EDT		**Zhuolun Li** (University of Leeds), Alberto Sonnino (Mysten Labs, UCL), and Philipp Jovanovic (UCL)	[Short Research Statement] Performance of EdDSA and BLS Signatures in Committee-Based Consensus
17:45 EDT		**Arnon Ilani** (Ben-Gurion University of the Negev, Beersheva, Israel) and Shlomi Dolev (Ben-Gurion University of the Negev, Beersheva, Israel)	[Invited Paper] Common Public Knowledge for Enhancing Machine Learning Data Sets
17:55 EDT		END OF WORKSHOP	