ApPLIED Workshop, July 25, 2022

Time	Chair	Authors	Title
8:55 CET		Chryssis Georgiou (General co-chair)	Openning session
9:00 CET	Chryssis Georgiou	Roger Wattenhofer (ETH Zurich)	[Keynote] Graph Neural Networks as Application of Distributed Algorithms
10:00 CET		COFFEE	BREAK
10:30 CET	Elad Schiller	Michael Johnston (IBM Research) and Vassils Vassiliadis (IBM Research)	[Invited Paper] Towards an Approximation-Aware Computational Workflow Framework for Accelerating Large-Scale Discovery Tasks
11:00 CET		Sashko Ristov (University of Innsbruck) Christian Hollaus (University of Innsbruck), and Mika Hautz (University of Innsbruck)	Colder than the warm start and warmer than the cold start! Experience the spawn start in FaaS providers
11:30 CET		Dimitrios Palyvos-Giannas (Chalmers University of Technology), Marina Papatriantafilou (Chalmers University of Technology), and Vincenzo Gulisano (Chalmers University of Technology)	Research Summary: Deterministic, Explainable and Efficient Stream Processing
11:45 CET		LUNCH	BREAK
13:30 CET	Sebastien Tixeuil	Theophanis Hadjistasi (Algolysis Ltd), Nicolas Nicolaou (Algolysis Ltd), and Efstathios Stavrakis (Algolysis Ltd)	Exploring the use of Strongly Consistent Distributed Shared Memory in 3D NVEs
14:00 CET		Mohammad Moridi (University of Waterloo), Erica Wang (University of Waterloo), Amelia Cui (McGill University), and Wojciech Golab (University of Waterloo)	A Closer Look at Detectable Objects for Persistent Memory
14:30 CET		Arindam Khanda (Missouri University of Science and Technology), Federico Corò (Missouri University of Science and Technology), and Sajal K Das (Missouri University of Science and Technology)	[Invited Paper] Drone-Truck Cooperated Delivery Under Time Varying Dynamics
15:00 CET		SHORT	BREAK

ApPLIED Workshop, July 25, 2022

Time	Chair	Authors	Title
15:05 CET	Sashko Ristov	Joseph Oglio (Kent State University), Kendric Hood (Kent State University), Mikhail Nesterenko (Kent State University), and **Sebastien Tixeuil** (Sorbonne Université)	QUANTAS: Quantitative User-friendly Adaptable Networked Things Abstract Simulator
15:35 CET		Vincenzo De Maio (Vienna University and Technology), Atakan Aral (University of Vienna), and **Ivona Brandic** (Vienna University of Technology)	[Invited Paper] A Roadmap To Post-Moore Era for Distributed Systems
16:05 CET		COFFEE	BREAK
16:30 CET	Chryssis Georgiou	**Ken Birman** (Cornell). joint work with Weijia Song (Cornell University), Yuting Yang (Cornell University), Thompson Liu (Cornell University), Andrea Merlina (University of Oslo), Thiago Garrett (University of Oslo), Roman Vitenberg (University of Oslo, Norway), Lorenzo Rosa (Cornell University), Aahil Awatramani (Cornell University), and Zheng Wang (Cornell University)	[Keynote] Cascade: An Edge Computing Platform for Real-time Machine Intelligence
17:30 CET		**Ragini Gupta** (University of Illinois at Urbana-Champaign), Bo Chen (University of Illinois at Urbana-Champaign), Shengzhong Liu (University of Illinois at Urbana Champaign), Tianshi Wang (UIUC), Klara Nahrstedt (University of Illinois at Urbana-Champaign), Tarek Abdelzaher (University of Illinois at Urbana-Champaign), Sandeep Singh Sandha (University of California, Los Angeles), Mani Srivastava (University of California, Los Angeles), Abel Souza (University of Massachusetts Amherst), Prashant Shenoy (University of Massachusetts Amherst), Jeffrey Smith (US Army DEVCOM Army Research Lab), Maggie Wigness (US Army Research Labs), and Niranjan Suri (US Army Research Lab)	[Invited Paper] DARTS: Distributed IoT Architecture for Real-Time, Resilient and AI-Compressed Workflows
18:00 CET		Chryssis Georgiou (General co-chair)	Closing session