

FCRC 2015

June 13 - 19, Portland Oregon

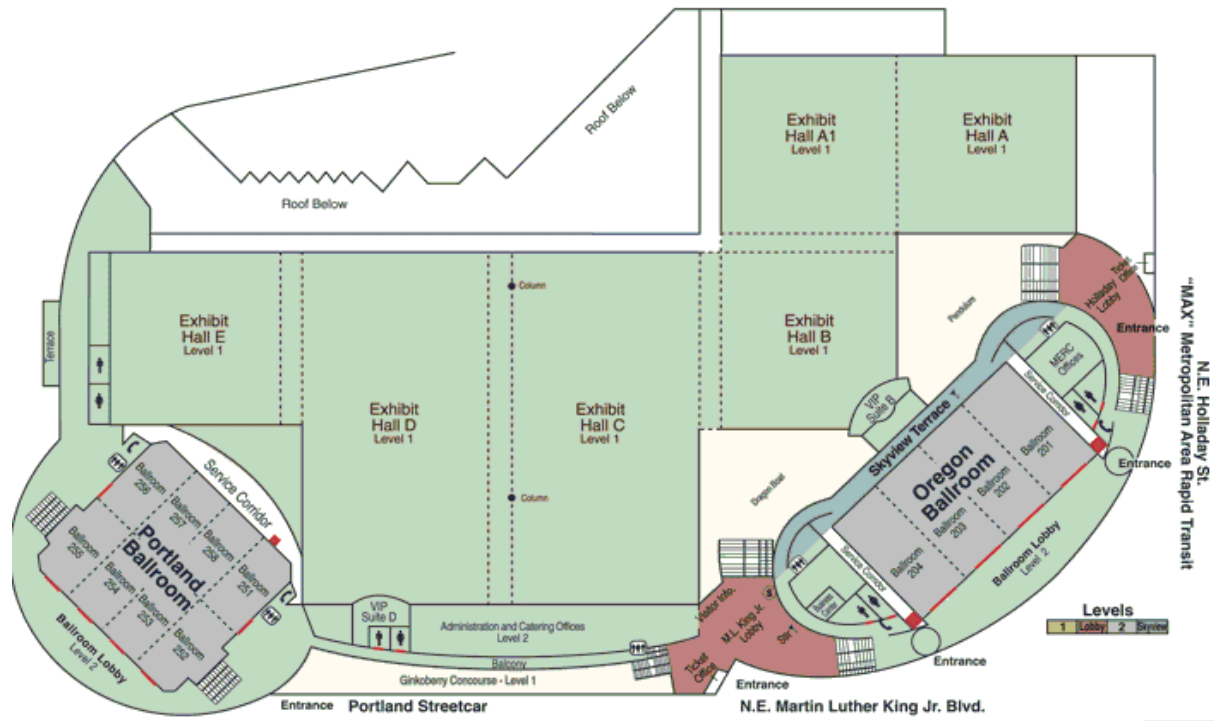
TIMELINE SCHEDULE

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CONFERENCE/WORKSHOP/EVENT ACRONYMS DATES

	Dates	Full Name		Dates	Full Name
AdAuct	16	Ad Auctions Workshop (EC)	MES	13	ACM International Workshop on Manycore Embedded Systems (ISCA)
ARRAY	13	ACM SIGPLAN International Workshop on Libraries, Languages and Compilers for Array Programming (PLDI)	METRICS	16-19	ACM SIGMETRICS International Conference on Measurement and Modeling of Computer Systems
ASBD	13	Workshop on Architectures and Systems for Big Data (ISCA)	NetEcon	15	Workshop on the Economics of Networks, Systems and Computation (EC & METRICS)
BigSystem	16	International Workshop on Software-Defined Ecosystems (HPDC)	NeuroArch	13	Workshop on Neuromorphic Architectures (ISCA)
CAMEL	14	Workshop on Computer Architecture for Machine Learning (ISCA)	PADL	18-19	International Symposium on Practical Aspects of Declarative Languages
CARD	14 PM	Workshop on Computer Architecture Research Directions (ISCA)	PLDI	13-17	Annual ACM SIGPLAN Conference on Programming Language Design and Implementation
CARL	14	Workshop on the Intersections of Computer Architecture and Reconfigurable Logic (ISCA)	PLOOC	14	Workshop on Programming Languages Technology for Massive Open Online Courses (PLDI)
CCC	17-19	Computational Complexity Conference	PRISM	14	Annual Workshop on Parallelism in Mobile Platforms (ISCA)
CHIUW	13-14 AM	ACM SIGPLAN 2nd Annual Chapel Implementers and Users Workshop (PLDI)	REC2	13 AM	Workshop on Resource-Efficient Cloud Computing (ISCA)
CLHS	15	Workshop on the Changing Landscape in HPC Security (HPDC)	ROSS	16	International Workshop on Runtime and Operating Systems for Supercomputers (HPDC)
COBE	16 AM	Annual Workshop on Crowdsourcing and Online Behavioral Experiments (EC)	SCALA	13	Scala Symposium 2015 (PLDI)
CRA-W: Early Career	13-14	CRA-W: Early Career Mentoring Workshop	ScienceCloud	16	Workshop on Scientific Cloud Computing (HPDC)
CRA-W: Mid-Career	13-14	CRA-W: Mid-Career Mentoring Workshop	SCREAM	16	The Science of Cyberinfrastructure: Research, Experience, Applications and Models (HPDC)
DCC	15 AM	Workshop on Distributed Cloud Computing (METRICS)	SOAP	14	ACM SIGPLAN International Workshop on the State Of the Art in Program Analysis (PLDI)
DPC	13 AM	Data Prefetching Competition (ISCA)	SPAA	13-15	ACM Symposium on Parallelism in Algorithms and Architectures
EC	15-19	ACM Conference on Economics and Computation	STOC	15-17	Annual Symposium on the Theory of Computing
FTXS	15	Fault Tolerance for HPC at eXtreme Scale Workshop (HPDC)	TRANSACT	15-16	10th ACM SIGPLAN Workshop on Transactional Computing
Gem5	14	Gem5 User Workshop (ISCA)	VTDC	15	International Workshop on Virtualization Technologies in Distributed Computing (HPDC)
HASP	14 AM	Workshop on Hardware and Architectural Support for Security and Privacy (ISCA)	WARP	14 PM	Workshop on Architectural Research Prototyping (ISCA)
HPDC	15-19	ACM Symposium on High-Performance Parallel and Distributed Computing	WAX	13	Workshop on Approximate Computing Across the Stack (PLDI)
ISCA	13-17	International Symposium on Computer Architecture	WCAE	13	Workshop on Computer Architecture Education (ISCA)
ISMM	14	ACM SIGPLAN International Symposium on Memory Management	WDDD	14 PM	Workshop on Duplicating, Deconstructing, and Debunking (ISCA)
IWQoS	15-16	IEEE/ACM International Symposium on Quality of Service	WoW	13	Workshop on WALA (PLDI)
LCTES	18-19	ACM SIGPLAN/SIGBED Conference on Languages, Compilers, Tools and Theory for Embedded Systems	X10	14	X10 2015 X10 (PLDI)
MAMA	15	MAMA: The Workshop on MAtheMATical performance Modeling and Analysis (METRICS)			

For affiliated workshops, the main event to which they are affiliated with is given in parentheses.

Special Events not on Timeline Schedule

Friday June 12	Saturday June 13	Sunday June 14	Monday June 15	Tuesday June 16	Wednesday June 17	Thursday June 18
<p>SPAA Reception 5:00 - 7:00pm Room A107-109</p>	<p>SPAA Business Meeting 5:50 - 7:00pm Room A106</p> <p>CRA-W Reception 6:00 - 8:00pm Room D129-D130</p>	<p>ACM Turing Lecture 6:00 - 7:15pm Hall A</p> <p>SPAA Banquet 8:00 - 10:00pm Red Star at Hotel Monaco</p> <p>STOC Welcome Reception 7:30pm - 9:30pm Room Portland 251</p> <p>PLDI Welcome Reception and Poster Session 7:30 - 9:00pm Room Exhibit Hall A1-B</p> <p>ISCA Welcome Reception 5:00 - 6:00pm Room Oregon 201 - 202</p>	<p>ISCA Business Meeting 6:00- 7:00pm Room Oregon 201-202</p> <p>IWQoS Banquet 6:00 - 8:00pm Bridgeport Brewing Co.</p> <p>STOC Business Meeting 9:00 - 11:00pm Room Portland 252</p>	<p>FCRC-CRAE Workshop for Faculty: Engaging Undergraduates in Research 6:00 - 7:30pm Room C123-C124</p> <p>METRICS Reception and Posters 6:30 - 9:30pm Room: Exhibit Hall A1-B</p> <p>PLDI Evening Social Event 6:30 - 10:00pm Exchange Ballroom</p> <p>ISCA Banquet and Excursion 4:45pm - onwards World Forestry Center</p> <p>SIGPLAN Executive Committee Meeting 8:15 - 5:30pm Room D131</p> <p>EC Reception 6:00 - 8:00pm Exhibit Hall A1-B</p> <p>EC Poster Session 7:00 - 9:00pm Exhibit Hall A1-B</p>	<p>HPDC Poster Session and Reception 6:00 - 8:00pm Exhibit Hall A1-B</p> <p>CCC Business Meeting 8:30 - 10:30pm Room B117-B119</p> <p>METRICS Banquet 6:45 - 9:30pm The Nines</p>	<p>HPDC Banquet 7:00 - 9:00pm Portland City Grill</p> <p>CCC Rump Session 8:30 - 10:00pm Room B117-B119</p> <p>EC Business Meeting 5:30 - 7:00pm Room C123-C124</p>

All rooms are in the Oregon Convention Center unless noted.

Saturday Morning, June 13

Event	Room	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20	12:30
ARRAY	C122			INVITED TALK: Array Notation for Everybody David Padua						<i>Loo.py: From Fortran to performance via transformation and substitution rules</i> Andreas Klockner	<i>Techniques for Efficient MATLAB-to-C Compilation</i> João Bispo, Luis Reiz, João Cardoso	COFFEE BREAK	<i>Compiling APL to Accelerate Through a Typed Array Intermediate Language</i> Michael Budde, Martin Dybdal, Martin Elsmann	<i>Velociraptor: A compiler toolkit for array-based languages targeting CPUs and GPUs</i> Rahul Garg, Sameer Jagdale, Laurie Hendren	Morning Wrapup									
CHIUW	A107 - A108	(from 8:30am) Chapel Boot Camp (optional)		Welcome, State of the Project			<i>Practical Diamond Tiling for Stencil Computations Using Chapel Iterators</i> Michelle Mills Strout, Ian J. Bertolacci, Catherine Olchanowsky, Ben Harshbarger, Brad Chamberlain, David G. Wonnacott	<i>A Study of Red-Black SOR Parallelization Using Chapel, D, and Go Languages</i> Sparsh Mittal	<i>Data-Centric Locality in Chapel</i> Ben Harshbarger	COFFEE BREAK	<i>Parallac: Using Chapel with ARM Clusters</i> Brian Guarraci	<i>Hierarchical Locale Models in Chapel</i> Sung-Eun Choi, David Iten, Elliot Ronaghan, Greg Titus												
CRA-W: Mid Career	D138			Welcome and Overview of Workshop with Introduction of All Participants			Parallel Breakout One: <i>Promotion to the Next Technical Step for CMW-E=Professor Track</i>			COFFEE BREAK	Plenary Panel: <i>Building Collaborations, Advocates, Cohort, Mentors, Peer Network</i> Room D139-140						LUNCH Room: D135- D136							
							Parallel Breakout Two: <i>Promotion to the Next Technical Step for CMW-R=Full Professor Track</i>																	
							Parallel Breakout Three: <i>Promotion to the Next Technical Step for CMW-L=Technical Ladder Track</i>																	
ISCA	A109			Tutorial: <i>The Structural Simulation Toolkit (SST)</i>							COFFEE BREAK	Tutorial (continued): <i>The Structural Simulation Toolkit (SST)</i>												
	B116			Tutorial: <i>Rapid Exploration of Accelerator-rich Architectures: Automation from Concept to Prototyping</i>							COFFEE BREAK	Tutorial (continued): <i>Rapid Exploration of Accelerator-rich Architectures: Automation from Concept to Prototyping</i>												
	D131			Tutorial: <i>Intel Software Guard Extensions (SGX)</i>							COFFEE BREAK	Tutorial (continued): <i>Intel Software Guard Extensions (SGX)</i>												
	D132			Workshop: <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures</i>							COFFEE BREAK	Workshop (continued): <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures</i>												
	B113			Workshop: <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>							COFFEE BREAK	Workshop (continued): <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>												
	C124			Workshop: <i>DPC: 2nd Data Prefetching Competition</i>							COFFEE BREAK	Workshop (continued): <i>DPC: 2nd Data Prefetching Competition</i>												
	C125			Workshop: <i>REC2: Workshop on Resource-Efficient Cloud Computing</i>							COFFEE BREAK	Workshop (continued): <i>REC2: Workshop on Resource-Efficient Cloud Computing</i>												
	B115			Workshop: <i>ASBD: Workshop on Architectures and Systems for Big Data</i>						COFFEE BREAK (until 11:35pm)			Workshop (continued)			Lunch (until 1:10pm)								
	C126			Workshop: <i>WCAE: Workshop on Computer Architecture Education</i>							COFFEE BREAK	Workshop (continued): <i>WCAE: Workshop on Computer Architecture Education</i>												
PLDI	B112			Tutorial: <i>A Semantics-Directed Approach to Program Termination</i>							COFFEE BREAK	Tutorial (continued): <i>A Semantics-Directed Approach to Program Termination</i>												
	A103 - A104			Tutorial: <i>Using the Intel C++ Compiler for General Purpose Computation Offload to Intel Processor Graphics</i>							COFFEE BREAK	Tutorial (continued): <i>Using the Intel C++ Compiler for General Purpose Computation Offload to Intel Processor Graphics</i>												
SCALA	B117-118		Opening welcome	<i>SnapQueue: Lock-Free Queue with Constant Time Snapshots</i> Aleksandar Prokopec	<i>Distributed Programming in Scala with APGAS</i> Philippe Suter, Olivier Tardieu, Josh Milthorpe	<i>Fold-based Fusion as a Library - A Generative Programming Pearl</i> Manohar Jonnalagedda, Sandro Stucki	<i>ESpecial: An Embedded Systems Programming Language</i> Christopher Métrailler, Pierre-André Mudy		COFFEE BREAK	Keynote: Marius Eriksen <i>Scala: The Industrial Parts</i>														
SPAA	A106	Opening Remarks	<i>Sorting with Asymmetric Read and Write Costs</i> Guy E. Blelloch, Jeremy T. Fineman, Phillip B. Gibbons, Yan Gu and Julian Shun <i>Practical Massively Parallel Sorting</i> Michael Axtmann, Peter Sanders, Timo Bingmann and Christian Schulz <i>A Top-Down Parallel Semisort</i> Yan Gu, Julian Shun, Yihan Sun and Guy Blelloch	<i>Matrix Multiplication I/O Complexity by Path Routing</i> Jacob Scott, Olga Holtz and Oded Schwartz. <i>Online Caching with Convex Costs</i> Ishai Menache and Mohit Singh				COFFEE BREAK	Keynote: Hans-J Boehm Myths and Misconceptions about Threads															
WAX	C120 - C121		Opening and introductions			Position paper talks, session 1: Quality				COFFEE BREAK	Lightning talks		Organizing for lunchtime discussions		Lunch (until 1:30pm)									
WoW	B110 - B111		Welcome	WALA and Android:	<i>security analysis on Android</i> Martin Mohr	<i>hybrid Dalvik/JavaScript analysis</i> Sukyoung Ryu	<i>how and why to run WALA on your phone</i> Julian Dolby		COFFEE BREAK	Beyond the core:		<i>Averroes</i> Karim Ali	<i>JS-WALA infrastructure</i> Manu Sridharan											

Saturday Afternoon, June 13

Event	Room	1:30	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50
ARRAY	C122		<i>Performance Search Engine Driven by Prior Knowledge of Optimization</i> Youngsung Kim, Pavol Cerny		<i>High-Level Accelerated Array Programming in the Web Browser</i> Mathias Bourgoin, Emmanuel Chailloux		<i>Accelerating Information Experts through Compiler Design</i> Aaron Hsu		COFFEE BREAK		<i>Fusing Convolution Kernels through Tiling</i> Mahesh Ravishankar, Paulius Micikevicius, Vinod Grover		<i>Array programming in Pascal</i> Paul Cockshott, Susanne Oehler, Youssef Gdura, Ciaran McCreesh		<i>Abstract Expressionism for Parallel Performance</i> Robert Bernecky, Sven-Bodo Scholz		Afternoon Wrapup									
CHIUW	A107-A108		<i>Shared Memory HPC Programming: Past, Present, and Future</i> William Carlson				<i>Vectorization of Chapel Code</i> Elliot Ronaghan		COFFEE BREAK		Hot Topics Talks				Community Discussion											
CRA-W: Early Career	D137		Welcome		Plenary Panel: <i>Research as a Career</i> Room: D139-140				COFFEE BREAK		Parallel Breakout One: <i>The Job Search</i>				Plenary Panel: <i>Mentoring 101: How to Find a Mentor & How to Be a Mentor</i> Room: D139-140											
			Parallel Breakout Two: <i>Growing Your Research Program</i>																							
CRA-W: Mid-Career	D138		Parallel Breakout One: <i>Managing Down, Managing Up</i>						COFFEE BREAK		Plenary Panel: <i>Effective Leadership</i> Room: D139-140				Group Mentoring											
			Parallel Breakout Two: <i>Preparing for Promotion</i>																							
ISCA	B114	Tutorial: <i>Accelerating Big Data Processing with Hadoop, Spark and Memcached on Datacenters with Modern Architectures</i>								COFFEE BREAK		Tutorial (continued): <i>Accelerating Big Data Processing with Hadoop, Spark and Memcached on Datacenters with Modern Architectures</i>														
	A109	Tutorial (continued): <i>The Structural Simulation Toolkit (SST)</i>								COFFEE BREAK		Tutorial (continued): <i>The Structural Simulation Toolkit (SST)</i>														
	B116	Tutorial (continued): <i>Rapid Exploration of Accelerator-rich Architectures: Automation from Concept to Prototyping</i>								COFFEE BREAK		Tutorial (continued): <i>Rapid Exploration of Accelerator-rich Architectures: Automation from Concept to Prototyping</i>														
	D131	Tutorial (continued): <i>Intel Software Guard Extensions (SGX)</i>								COFFEE BREAK		Tutorial (continued): <i>Intel Software Guard Extensions (SGX)</i>														
	D132	Workshop (continued): <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures</i>								COFFEE BREAK		Workshop (continued): <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures (continued)</i>														
	B113	Workshop (continued): <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>								COFFEE BREAK		Workshop (continued): <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>														
	D132	Workshop (continued): <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures</i>								COFFEE BREAK		Workshop (continued): <i>NeuroArch: 2nd Workshop on Neuromorphic Architectures (continued)</i>														
	B113	Workshop (continued): <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>								COFFEE BREAK		Workshop (continued): <i>MES: 3rd ACM International Workshop on Manycore Embedded Systems</i>														
	B115	(From 1:10pm) Workshop (continued): <i>ASBD: Workshop on Architectures and Systems for Big Data</i>																								
	C126	Workshop (continued): <i>WCAE: Workshop on Computer Architecture Education</i>				COFFEE BREAK		Workshop (continued): <i>WCAE: Workshop on Computer Architecture Education</i>																		
PLDI	B112	Tutorial: <i>RASCAL: Program Analysis and Transformation with Rascal</i>								COFFEE BREAK		Tutorial (continued): <i>RASCAL: Program Analysis and Transformation with Rascal</i>														
	A103-A104	Tutorial: <i>System-level Program Analysis and Architectural Evaluation with Simics</i>								COFFEE BREAK		Tutorial (continued): <i>System-level Program Analysis and Architectural Evaluation with Simics</i>														
SCALA	B117-118	<i>Counterexample-Complete Verification for Higher-Order Functions</i> Nicolas Voiron, Etienne Kneuss, Viktor Kuncak		<i>Referential Integrity with Scala Types</i> Patrick Prémont		<i>Sound Reasoning about Integral Data Types with a Reusable SMT Solver Interface</i> Régis Blanc, Viktor Kuncak		Student talks <i>Implementing Value Classes in Dotty</i> - Guillaume Martres <i>Type Specialization in Dotty</i> - Alexandre Sikiaridis		COFFEE BREAK		<i>Pure-Functional JDBC in Scala</i> Rob Norris		<i>Computation Expressions in Scala</i> Jean-Rémi Desjardins		<i>Generic N-Dim R-Tree Explorations or How I Learned to Calm the Hyperspatial Index</i> Dave Rostron										
SPAA	A106	<i>New Streaming Algorithms for Parameterized Maximal Matching and Beyond</i> Rajesh Chitnis, Graham Cormode, Hossein Esfandiari, Mohammadtaghi Hajiaghayi, Morteza Monemizadeh. <i>Local Computation Algorithms for Graphs with Non-Constant Degrees</i> Reut Levi, Ronitt Rubinfeld, Anak Yodpinyanee <i>Efficient Approximation Algorithms for Computing k Disjoint QoS Paths</i> Longkun Guo, Kewen Liao, Hong Shen, Peng Li <i>Fast and Better Distributed MapReduce Algorithms for k-Center Clustering</i> Sungjin Im, Benjamin Moseley Managing Resource Limitation of Best-Effort HTM Mohamed Mohamedin, Roberto Palmieri, Ahmed Hassan, Binoy Ravindran <i>Fair Adaptive Parallelism for Concurrent Transactional Memory Applications</i> Amin Mohtasham, Joao Barreto				<i>On Scheduling Best-Effort HTM Transactions Toward a Universal Approach for the Finite Departure Problem in Overlay Networks</i> Thim Strothmann, Christian Scheideler, Andreas Koutsopoulos <i>MultiQueues: Simple Relaxed Concurrent Priority Queues</i> Hamza Rihani, Peter Sanders, Roman Dementiev <i>A Compiler-Runtime Application Binary Interface for Pipe-While Loops</i> Jim Sukha <i>Hypergraph Partitioning for Parallel Sparse Matrix-Matrix Multiplication</i> Grey Ballard, Alex Druinsky, Nicholas Knight, Oded Schwartz				COFFEE BREAK		<i>The Cilkprof Scalability Profiler</i> Tao Schardl, Bradley Kuszmaul, I-Ting Lee, William Leiserson, Charles Leiserson <i>Race Detection in Two Dimensions</i> Dimitar Dimitrov, Martin Vechev, Vivek Sarkar <i>Efficiently Detecting Races in Cilk Programs that Use Reducer Hyperobjects</i> I-Ting Lee, Tao Schardl <i>TheadScan: Automatic, Scalable Memory Reclamation</i> Dan Alistarh, William Leiserson, Alexander Matveev, Nir Shavit														
WAX	C120-C121	(from 1:30pm) Summary discussion from lunch breakouts	Position paper talks, session 2: Domains				COFFEE BREAK		Position paper talks, session 3: Efficiency				Closing discussion: The future of approximate computing													
WCAE	C126	Keynote: Arvind Constructive computer architecture				COFFEE BREAK		<i>Flipping' a computer architecture course: what, if, when, how</i> David Kaeli, Yale Patt, Diane Rover, Ed Gehringer																		
WoW	B110-B111	Core infrastructure:	<i>multithreaded WALA</i> Andrew Johnson		<i>Interprocedural Distributive Environment (IDE) framework</i> Marianna Rapoport		<i>WALAFacade support for Scala</i> Cosmin Radoi		COFFEE BREAK		Applications:		<i>plans with JSIR</i> Ben Livshits		<i>Security analysis with WALA</i> Omer Tripp		Discussion: The future of WALA									

Sunday Morning, June 14

Event	Room	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	11:50	12:00	12:10	12:20	12:30
CHIUIW	A107-A108	Chapel Code Camp														COFFEE BREAK	Chapel Code Camp (continued)									
CRA-W: Early Career	D137	Parallel Breakout One, R-track: <i>The Tenure Process</i>														COFFEE BREAK	Parallel Breakout One, R-track: <i>Advising/Supervising Students</i>									
		Parallel Breakout Two, L-track: <i>Getting Started in the Lab: Tips for Surviving the First Two years</i>															Parallel Breakout Two, L-track: <i>Learning How to Lead: Strategies to Grow Your Technical Leadership</i>									
CRA-W: Mid Career	D138	<i>Leading Initiatives, Building New Programs, Negotiating Skills</i>														COFFEE BREAK	<i>Representing Yourself Outward</i>									
ISCA	C124	Tutorial: <i>PyMTL and Pydgin: Python Frameworks for Highly Productive Computer Architecture Research</i>														COFFEE BREAK	Tutorial (continued): <i>PyMTL and Pydgin: Python Frameworks for Highly Productive Computer Architecture Research</i>									
	C125	Tutorials: <i>Datacenter Simulation Methodologies</i>														COFFEE BREAK	Tutorials (continued): <i>Datacenter Simulation Methodologies</i>									
	B119	Tutorials: <i>Automata Processing</i>														COFFEE BREAK	Tutorials (continued): <i>Automata Processing</i>									
	B114	Tutorials: <i>What Queueing Theory Teaches us About Computer Systems Design</i>														COFFEE BREAK	Tutorials (continued): <i>What Queueing Theory Teaches us About Computer Systems Design</i>									
	B115	Workshop: <i>HASP: 4th Workshop on Hardware and Architectural Support for Security and Privacy</i>														COFFEE BREAK	Workshop (continued): <i>HASP: 4th Workshop on Hardware and Architectural Support for Security and Privacy</i>									
	A109	Workshop: <i>PRISM: International Workshop on Parallelism in Mobile Platforms</i>														COFFEE BREAK	Workshop (continued): <i>PRISM: International Workshop on Parallelism in Mobile Platforms</i>									
	B113	Workshop: <i>CAMEL: International Workshop on Computer Architecture for Machine Learning</i>														COFFEE BREAK	Workshop (continued): <i>CAMEL: International Workshop on Computer Architecture for Machine Learning</i>									
	D132	Workshop: <i>CARL: Intersections of Computer Architecture and Reconfigurable Logic</i>														COFFEE BREAK	Workshop (continued): <i>CARL: Intersections of Computer Architecture and Reconfigurable Logic</i>									
	B116	Workshop: <i>Gem5: gem5 User Workshop</i>														COFFEE BREAK	Workshop (continued): <i>Gem5: gem5 User Workshop</i>									
ISMM	C123	Opening Remarks	Keynote: Karin Strauss <i>Tolerating Holes in Wearable Memories</i>					<i>Controlling Physical Memory Fragmentation in Mobile Systems</i> Sang-Hoon Kim, Sejun Kwon, Jin-Soo Kim, Jinkyu Jeong			<i>Don't race the memory bus: Taming the GC leadfoot</i> Ahmed Hussein, Tony Hosking, Mathias Payer, Christopher A. Vick			COFFEE BREAK	<i>Data Structure Aware Garbage Collector</i> Nachshon Cohen, Erez Petrank		<i>SuperMalloc: A Super Fast Multithreaded malloc() for 64-bit Machines</i> Bradley Kuszmaul		<i>Concurrent Compaction using a Field Pinning Protocol</i> Erik Österlund, Welf Löwe							
PLDI	A103-A104	Tutorial: <i>PINPLAY: Using PinPlay for Reproducible Analysis and Replay Debugging</i>														COFFEE BREAK	<i>PINPLAY: Using PinPlay for Reproducible Analysis and Replay Debugging</i>									
PLOOC	C120-C121	<i>PLOOC: Workshop on Programming Languages Technology for Massive Open Online Courses</i>														COFFEE BREAK	<i>PLOOC: Workshop on Programming Languages Technology for Massive Open Online Courses (continued)</i>									
SOAP	B110-B111	Opening Remarks	<i>Static Analysis for Android: GUIs, Callbacks, and Beyond</i> Atanas Rountev			<i>Using Targeted Symbolic Execution for Reducing False-Positives in Dataflow Analysis</i> Steven Arzt, Siegfried Rasthofer, Robert Hahn, Eric Bodden		<i>Design Your Analysis: A Case Study on Implementation Reusability of Data-Flow Functions</i> Johannes Lerch, Ben Hermann		<i>Combining Type-Analysis with Points-To Analysis for Analyzing Java Library Source-Code</i> Nicholas Allen, Paddy Krishnan, Bernhard Scholz			COFFEE BREAK	<i>Static Analysis of JavaScript: Insights and Challenges</i> Ben Hardekopf												
SPAA	A106	<i>Speed Scaling in the Non-clairvoyant Model</i> Yossi Azar, Nikhil Devanur, Zhiyi Huang, Debmalya Panigrahi			<i>Cost-Oblivious Reallocation for Scheduling and Planning</i> Michael Bender, Martin Farach-Colton, Sandor Fekete, Jeremy Fineman, Seth Gilbert			<i>Temporal Fairness of Round Robin: Competitive Analysis for Lk-norms of Flow Time</i> Sungjin Im, Janardhan Kulkarni, Benjamin Moseley			<i>Scheduling Non-Unit Jobs to Minimize Calibrations</i> Jeremy Fineman, Brendan Sheridan			<i>Scheduling in Bandwidth Constrained Tree Networks</i> Sungjin Im, Benjamin Moseley			COFFEE BREAK	Keynote: Gary Miller The Revolution in Graph Theoretic Optimization Problems								
STOC	E141-142	Introduction					<i>Parallel Algorithms for Graphs on a Very Large Number of Nodes</i> Krzysztof Onak			COFFEE BREAK			<i>Distributed Machine Learning</i> Nina Balcan			LUNCH (12:00pm - 1:30pm)										
	E143-144	Tutorial: <i>Hardness and Equivalences for Problems in P</i>																								
X10	B112	Opening and Welcome	<i>Introduction to X10</i> Olivier Tardieu					<i>The X10 Global Matrix Library: A Resilient Framework for Linear Algebra Applications</i> Sara Salem Hamouda, Josh Milthorpe, Peter Strazdins, Vijay Saraswat			COFFEE BREAK	<i>Revisiting Loop Transformations with X10 Clocks</i> Tomofumi Yuki			<i>Local Parallel Iteration in X10</i> Josh Milthorpe											

Please Note: Sunday meals are not part of STOC registration.

8:15-9:00am Continental Breakfast, Pre-function A
11:00-11:20am AM Coffee Break, Pre-function A
12:30-2:00pm Lunch, Exhibit Halls A1-B

Sunday Afternoon, June 14

Event	Room	1:30	1:40	1:50	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	
CRA-W: Early Career	D137	Mentoring - One on One Mentoring Pairings with Mid-Career and Senior Mentors					Parallel Breakout One, L-Track: Negotiating skills					COFFEE BREAK		Plenary Session: Ensuring your Visibility Room D139-140															
												Parallel Breakout Two, R-Track: Effective Teaching and Class Management																	
CRA-W: Mid-Career	D138	Mentoring of Early Careers																											
ISCA	B115	Tutorial: Virtualizing IO through Memory Management Technology (IOMMU)										COFFEE BREAK		Tutorial (continued): Virtualizing IO through Memory Management Technology (IOMMU)															
	B119	Tutorial: Open Curation for Computer Architecture Modeling										COFFEE BREAK		Tutorial (continued): Open Curation for Computer Architecture Modeling															
	C124	Workshop: CARD: Workshop on Computer Architecture Research Directions					BREAK		Workshop (continued): CARD: Workshop on Computer Architecture Research Directions					BREAK		Workshop (continued): CARD: Workshop on Computer Architecture Research Directions													
	C125	Workshop: WDDD: Workshop on Duplicating, Deconstructing and Debunking										COFFEE BREAK		Workshop (continued): WDDD: Workshop on Duplicating, Deconstructing and Debunking															
	D131	Workshop: WARP: Workshop on Architectural Research Prototyping					BREAK		Workshop (continued): WARP: Workshop on Architectural Research Prototyping					COFFEE BREAK		Workshop (continued): WARP: Workshop on Architectural Research Prototyping													
	A109	Workshop (continued): PRISM: International Workshop on Parallelism in Mobile Platforms																											
	B113	Workshop (continued): CAMEL: International Workshop on Computer Architecture for Machine Learning										COFFEE BREAK		Workshop (continued): CAMEL: International Workshop on Computer Architecture for Machine Learning															
	D132	Workshop (continued): CARL: Intersections of Computer Architecture and Reconfigurable Logic																											
	B116	Workshop (continued): Gem5: gem5 User Workshop										COFFEE BREAK		Workshop (continued): Gem5: gem5 User Workshop															
ISMM	C123	Stop and Go: Understanding Yieldpoint Behavior Yi Lin, Kunshan Wang, Steve Blackburn, Tony Hosking, Michael Norrish			Safe and Efficient Hybrid Memory Management for Java Codrut Stancu, Christian Wimmer, Stefan Brunthaler, Per Larsen, Michael Franz			A Partial Read Barrier for Efficient Support of Live Object-oriented Programming Eliot Miranda, Clément Béra			Memento Mori: Dynamic Allocation-Site-Based Optimizations Daniel Clifford, Hannes Payer, Michael Stanton, Ben L. Titzer			COFFEE BREAK		Recycling Trash in Cache Jonathan Shidal, Ari J. Spilo, Paul T. Scheid, Ron K. Cytron, Krishna M. Kavi			Reducing Pause Times With Clustered Collection Cody Cutler, Robert Morris			The Judgment of Forseti: Economic Utility for Dynamic Heap Sizing of Multiple Runtimes Callum Cameron, Jeremy Singer, David Vengerov			Closing Remarks				
PLDI	C122	Tutorial: AutoTune:Autotuning programs with OpenTuner										COFFEE BREAK		Tutorial: AutoTune:Autotuning programs with OpenTuner															
	A103-A104	Tutorial: Machine Learning for Code Analytics										COFFEE BREAK		Tutorial: Machine Learning for Code Analytics															
	A107-A108	Tutorial: Doop Framework 101										COFFEE BREAK		Tutorial: Doop Framework 101															
PLOOC	C120-C121	PLOOC : Workshop on Programming Languages Technology for Massive Open Online Courses										COFFEE BREAK		PLOOC : Workshop on Programming Languages Technology for Massive Open Online Courses (continued)															
SOAP	B110-B111	Evaluating Call Graph Construction for JVM-hosted Language Implementations Frank Tip					Droidel: A General Approach to Android Framework Modeling Sam Blackshear, Alexandra Gendreau, Bor-Yuh Evan Chang			Design Your Analysis: A Case Study on Implementation Reusability of Data-Flow Functions Johannes Lerch, Ben Hermann			COFFEE BREAK		Jalangi: A Dynamic Analyses Framework for JavaScript Koushik Sen														
SPAA	A106	Space and Time Efficient Parallel Graph Decomposition, Clustering, and Diameter Approximation Matteo Ceccareello, Andrea Pietracaprina, Geppino Pucci, Eli Upfal					Access to Data and Number of Iterations: Dual Primal Algorithms for Maximum Matching Under Resource Constraints Kook Jin Ahn, Sudipto Guha					COFFEE BREAK		Seer: Probabilistic Scheduling for Hardware Transactional Memory Nuno Diegues, Stoyan Garbatov, Paolo Romano					Transactional Acceleration of Concurrent Datastructures Yujie Liu, Tingzhe Zhou, Michael Spear										
STOC	D133-D134	Tutorial: Sampling and Volume Computation in High Dimension																											
	E141-142	TBD Paul Beame					Scalable Correlation Clustering Ravi Kumar					Randomized Composable Core-sets for Distributed Computation Vahab Mirrokni					COFFEE BREAK		Sample and Prune: An Efficient MapReduce Method for Submodular Optimization Benjamin Moseley					Q&A and Discussion					
X10	B112	Cutting Out the Middleman: OS-Level Support for X10 Activities Manuel Mohr, Sebastian Buchwald, Andreas Zwinkau, Christoph Erhardt, Benjamin Oechslein, Jens Schedel, Daniel Lohmann			Optimization of X10 Programs with ROSE Compiler Infrastructure Michihiro Horie, Mikio Takeuchi, Kiyokuni Kawachiya, David Grove			The APGAS Library: Resilient Parallel and Distributed Programming in Java 8 Olivier Tardieu			COFFEE BREAK		Towards an Efficient Fault-Tolerance Scheme for GLB Marco Bungart, Claudia Fohry, Jonas Posner			Scalable Parallel Numerical Constraint Solver Using Global Load Balancing Daisuke Ishii, Kazuki Yoshizoe, Toyotaro Suzumura													

Please Note: Sunday meals are not part of STOC registration.

12:30-2:00pm Lunch, Exhibit Halls A1-B
3:30-4:00pm PM Coffee Break, Exhibit Halls A1-B

Monday Morning, June 15

Event	Room	8:00	8:10	8:20	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20	12:30				
CLHS	C125								Introduction and greetings	Keynote: David Mortman Title: TBD				<i>An autonomic Cloud management system for enforcing security and assurance properties</i> Laurent Bobelin, Aline Bousquet, and Jérémy Briffaut				COFFEE BREAK	<i>Toward a Data Spillage Prevention Process in Hadoop using Data Provenance</i> Oluwatosin Alabi, Joe Beckman, Melissa Dark, John Springer													
DCC	B113 - B114								Opening	<i>How many planet-wide leaders should there be?</i> Shengyun Liu, Marko Vukolic <i>Using Straggler Replication to Reduce Latency in Large-scale Parallel Computing</i> Da Wang, Gauri Joshi, Gregory Wornell <i>Analyzing the Network for AWS Distributed Cloud Computing</i> Anshul Gandhi, Justin Chan				<i>Deduplication-Assisted Data Reduction and Distribution in Cloud-of-Clouds</i> Bo Mao, Suzhen Wu <i>Optimal Load-Balancing for Heterogeneous Clusters</i> Anshul Gandhi, Naman Mittal, Xi Zhang <i>Energy Cost Aware Scheduling of MapReduce Jobs across Geographically Distributed Nodes</i> Tan N. Le, Bong Jun Choi, Pradipta De				<i>The Ignite Distributed Collaborative Scientific Visualization System</i> Rick McGeer, Yvonne Coady, David Lary, Dan Ingalls, Robert Krahn, Marko Roder, Jens Lincke, Matt Hemmings, Sushil Bhojwani, Ulrike Stege, Glenn Ricart				COFFEE BREAK	<i>A Predictive Control Approach for Fault Management of Computing Systems</i> Rui Jia, Sherif Abdelwahed, Abdelkarim Erradi <i>Anticipating Requests to Improve Performance and Reduce Costs in Cloud Storage</i> Hylson Netto, Lau Cheuk Lung, Tulio Ribeiro, Miguel Correia, Aldelir Luiz <i>Admit or Reject? Preserve or Drop? Operational Dilemmas upon Server Failures on the Cloud</i> Nadav Lavi, Hanoch Levy									
EC	A107 - A109	Tutorial: <i>Network Creation Games: How Does the Internet Form?</i>																														
	B117 - B119	Workshop on Algorithmic Game Theory and Data Science																														
	C120 - C122	Workshop on Social and Information Networks																														
FTXS	D129 - D130								Welcome and opening remarks	Keynote: Sudhanva Gurumurthi <i>Failures in Large-Scale Systems: Insights from the Field</i>				<i>A Principled Approach to HPC Event Monitoring</i> Alireza Goudarzi, Dorian Arnold, Darko Stefanovic, Kurt Ferreira, Guy Feldman				<i>LogDiver: A Tool for Measuring Resilience of Extreme - Scale Systems and Applications</i> Catello Di Martino, Saurabh Jha, Zbigniew Kalbarczyk, William Kramer, Ravishankar Iyer				COFFEE BREAK										
ISCA	7:15-8:00am BREAKFAST Room: Oregon 201-202	Opening Remarks Room: Oregon 201-202	Fast Forward Session I Room: Oregon 201-202	Room: Oregon 201-202 Session 1: <i>BlueDBM: An Appliance for Big Data Analytics</i> Sang-Woo Jun, Ming Liu, Sungjin Lee, Jamey Hicks, John Ankcorn, Myron King, Shuotao Xu, Arvind <i>Towards Sustainable In-Situ Server Systems in the Big Data Era</i> Chao Li, Yang Hu, Longjun Liu, Juncheng Gu, Mingcong Song, Xiaoyao Liang, Jingling Yuan, Tao Li <i>DjINN and Tonic: DNN as a Service and Its Implications for Future Warehouse Scale Computers</i> Johann Hauswald, Yiping Kang, Michael A. Laurenzano, Quan Chen, Cheng Li, Trevor Mudge, Ronald G. Dreslinski, Jason Mars, Lingjia Tang												COFFEE BREAK Room: Oregon Ballroom Lobby	Room: Oregon 203 Session 2A: <i>A Case for Core-Assisted Bottleneck Acceleration in GPUs: Enabling Flexible Data Compression with Assist Warps</i> Nandita Vijaykumar, Gennady Pekhimenko, Adwait Jog, Abhishek Bhowmick, Rachata Ausavarungnirun, Chita Das, Mahmut Kandemir, Todd C. Mowry, Onur Mutlu <i>Harmonia: Balancing Compute and Memory Power in High-Performance GPUs</i> Indrani Paul, Wei Huang, Manish Arora, Sudhakar Yalamanchili Room: Oregon 204 Session 2B: <i>Redundant Memory Mappings for Fast Access to Large Memories</i> Vasileios Karakostas, Jayneel Gandhi, Furkan Ayar, Adrian Cristal, Mark D. Hill, Kathryn S. McKinley, Mario Nemirovsky, Michael M. Swift, Osman Unsal <i>Page Overlays: An Enhanced Virtual Memory Framework to Enable Fine-grained Memory Management</i> Vivek Seshadri, Gennady Pekhimenko, Olatunji Ruwase, Onur Mutlu, Phillip B. Gibbons, Michael A. Kozuch, Todd C. Mowry, Trishul Chilimbi															
				FCRC Plenary Speaker: Andrew Yao Interdisciplinarity: A View from Theory of Computation Exhibit Hall A																												
IWQoS	D135 - D136								OPENING	Session: <i>Cloud and SDN</i> Chair: Carol Fung <i>Smart Hashing based Queries in the Cloud</i> Yu Hua <i>MZSDN: Achieving Multipath and Multihoming in Data Centers with Software Defined Networking</i> Wen Wang, Wenbo He, Jinshu Su				<i>Online Cost Minimization for Operating Geo-distributed Cloud CDNs</i> Xiaoxi Zhang, Chuan Wu, Zongpeng Li, Francis C.M. Lau <i>One-Restart Algorithm for Scheduling and Offloading in a Hybrid Cloud</i> Jaya Prakash Champati, Ben Liang <i>Traffic and Failure Aware VM Placement for Multi-tenant Cloud Computing</i> Xin Li, Chen Qian				COFFEE BREAK AND POSTER SESSION Room: Exhibit Halls A1-B														
NetEcon	A103 - A104	NetEcon: The 10th Workshop on the Economics of Networks, Systems and Computation																														
PLDI	Portland 254 - 255 (Blue)								Opening and Welcome Steve Blackburn, David Grove	<i>Automatically Improving Accuracy for Floating Point Expressions</i> Pavel Panchevka, Alex Sanchez-Stern, James R. Wilcox, Zachary Tatlock				<i>Diagnosing Type Errors with Class</i> Danfeng Zhang, Andrew Myers, Dimitrios Vytiniotis, Simon Peyton Jones				<i>Provably Correct Peephole Optimizations with Alive</i> Nuno P. Lopes, David Menendez, Santosh Nagarakatte, John Regehr				One Minute Madness	COFFEE BREAK	12:30 - 2:00pm SIGPLAN Awards Luncheon Portland 251, 257, 258								
SPAA	A106								<i>Fault Tolerant BFS Structures: A Reinforcement-Backup Tradeoff</i> Merav Parter, David Peleg <i>Distributed Backup Placement in Networks</i> Magnus M. Halldorsson, Sven Köhler, Boaz Patt-Shamir, Dror Rawitz <i>Better Online Deterministic Packet Routing on Grids</i> Guy Even, Moti Medina, Boaz Patt-Shamir				<i>Minimizing the Total Weighted Completion time of Coflows in Datacenter Networks</i> Zhen Qiu, Cliff Stein, Yuan Zhong <i>Electing a Leader in Wireless Networks Quickly Despite Jamming</i> Marek Klonowski, Dominik Pajak				COFFEE BREAK															
STOC	Portland 252								<i>Approximate Distance Oracles with Improved Bounds</i> Shiri Chechik				<i>The Power of Dynamic Distance Oracles: Efficient Dynamic Algorithms for the Steiner Tree</i> Jakub Lacki, Jakub Ocwieja, Marcin Pilipczuk, Piotr Sankowski, Anna Zych				<i>Unifying and Strengthening Hardness for Dynamic Problems via the Online Matrix-Vector Multiplication Conjecture</i> Monika Henzinger, Sebastian Krinninger, Danupon Nanongkai, Thatchaphol Saranurak				<i>Clustered Integer 3SUM via Additive Combinatorics</i> Timothy M. Chan, Moshe Lewenstein				<i>Matching Triangles and Basing Hardness on an Extremely Popular Conjecture</i> Amir Abboud, Virginia Vassilevska Williams, Huacheng Yu				<i>Edit Distance Cannot Be Computed in Strongly Subquadratic Time (unless SETH is false)</i> Arturs Backurs, Piotr Indyk			
	Portland 253								<i>Proof of the Satisfiability Conjecture for Large k</i> Jian Ding, Allan Sly, Nike Sun				<i>Consistency Thresholds for the Planted Bisection Model</i> Elchahan Mossel, Joe Neeman, Allan Sly				<i>On the Complexity of Random Satisfiability Problems with Planted Solutions</i> Vitaly Feldman, Will Perkins, Santosh Vempala				<i>Sum-of-squares Lower Bounds for Planted Cliques</i> Raghu Meka, Aaron Potechin, Avi Wigderson				<i>Sum of Squares Lower Bounds from Pairwise Independence</i> Boaz Barak, Pravesh Kothari, Siu On Chan				<i>Inapproximability of Combinatorial Problems via Small LPs and SDPs</i> Gábor Brau, Sebastian Pokutta, Daniel Zink			
TRANSACT	B110-B112								Welcome	<i>An Opaque Hybrid Transactional Memory</i> Wenjia Ruan, Michael Spear				<i>An Update on Haskell H/STM</i> Ryan Yates, Michael Scott				<i>Refined Transactional Lock Elision</i> Dave Dice, Alex Kogan, Yossi Lev				<i>A Simple Deterministic Algorithm for Guaranteeing the Forward Progress of Transactions</i> Charles Leiserson				COFFEE BREAK						
VTDC	C126								Opening Session	Invited Talk: <i>Efficient High Performance Computing in the Cloud</i> Dr. Abhishek Gupta				<i>Optimizing Xen Inter-domain Communications</i> Sébastien Frémal, Michel Bagein, Pierre Manneback				<i>A2L2: an Application Aware Flexible HPC Scheduling Model for Low-Latency Allocation</i> Gonzalo P. Rodrigo, Per-Olov Östberg, Lavanya Ramakrishnan, Erik Elmroth				COFFEE BREAK										
MAMA	B115 - B116	MAMA: The Workshop on Mathematical performance Modeling and Analysis																														

8:15-9:00am Continental Breakfast, Exhibit Halls A1-B Portland Ballroom Lobby
11:00-11:20am AM Coffee Break, Exhibit Halls A1-B
12:30-2:00pm Lunch, Exhibit Halls A1-B

Monday Afternoon, June 15

Event	Room	1:00 - 1:30pm	1:30 - 2:00pm	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20													
CLHS	C125	100G Intrusion detection at LBNL Vincent Stoffer	The Evolution and Future of Network Security Monitoring at NCSA Warren Raquel, Alexander Withers, James Eyrich, Justin Azoff	SDN mechanisms for Science DMZ Nick Buraglio, ESnet		COFFEE BREAK			Facilitating Scientific Collaborations by Delegating Identity Management Robert Cowles, Craig Jackson, Von Welch			Recent non-technical forces in security at the National Center for Atmospheric Research Steven Beatty		Experiences with Policy and PSC: Applying Information Security to HPC Andrew K Adams, Jim Marsteller, Jared Allar		Additional SDN/ScienceDMZ/HPN Discussion Edward Balas		Unstructured Discussion																									
DCC	B113 - B114	Towards Designing a Truthful Online Auction Framework for Deadline-aware Cloud Resource Provisioning Tianrong Zhang, Yufeng Xin Coordinated Colocation Datacenters for Economic Demand Response Nguyen H. Tran, Cuong Do, Shaolei Ren, Zhu Han, Choong Seon Hong Distributed Cloud Market: Who Benefits from Specification Flexibilities? Arne Ludwig, Stefan Schmid			Poster session & Coffee break								Keynote: John Wilkes Cluster management at Google																														
EC	A107 - A109 B117 - B119 C120 - C122	Tutorial: Vertical Ad Markets: Yelp's Local Business Advertising																																									
		Workshop on Algorithmic Game Theory and Data Science (continued)																																									
		Workshop on Social and Information Networks (continued)																																									
FTXS	D129 - D130	Resilient Matrix Multiplication of Hierarchical Semi-Separable Matrices Brian Austin, Eric Roman, Xiaoye Li		Voltage Overscaling Algorithms for Energy-Efficient Workflow Computations With Timing Errors Aurélien Cavelan, Yves Robert, Hongyang Sun, Frédéric Vivien		Empirical Studies of the Soft Error Susceptibility of Sorting Algorithms to Statistical Fault Injection Qiang Guan, Nathan DeBardleben, Sean Blanchard, Song Fu		Evolving the message passing programming model via a fault-tolerant, object-oriented transport layer Jeremiah Wilke, Janine Bennett, Keita Teranishi, Hemarath Kolla, David Hollman, Nicole Slattengren		COFFEE BREAK		How Much SSD is Useful for Resilience in Supercomputers Aiman Fang and Andrew Chien		The Path to Exascale: Code Optimizations and Hardening Solutions Reliability planning Daniel Alfonso Gonçalves De Oliveira, Laercio Pilla, Caio Lunardi, Luigi Carro, Philippe Navaux, Paolo Rech		Transient Fault Resilient QR Factorization on GPU Felix Loh, Parameswaran Ramanathan, Kewal Saluja		Closing Remarks, Best Paper Award																									
ISCA	Oregon 203 Oregon 204	(from 1:30pm) Session 3A: ShiDianNao: Shifting Vision Processing Closer to the Sensor Zidong Du, Robert Fasthuber, Tianshi Chen, Paolo lenne, Ling Li, Tao Luo, Xiaobing Feng, Yunji Chen, and Olivier Temam A Scalable Processing-in-Memory Accelerator for Parallel Graph Processing Junwhan Ahn, Sungpack Hong, Sungjoo Yoo, Onur Mutlu, and Kiyoung Choi Efficient Execution of Memory Access Phases Using Dataflow Specialization Chen-Han Ho, Sung Jin Kim, Karthikeyan Sankaralingam Data Reorganization in Memory Using 3D-stacked DRAM Berkin Akin, Franz Franchetti, James C. Hoe				(from 1:30pm) Session 3B: Quantitative Comparison of Hardware Transactional Memory for Blue Gene/Q, zEnterprise EC12, Intel Core, and POWER8 Takuya Nakaike, Rei Odaira, Matthew Gaudet, Maged M. Michael, Hisanobu Tomari Profiling a warehouse-scale computer Svilen Kanev, Juan Pablo Darago, Kim Hazelwood, Parthasarathy Ranganathan, Tipp Moseley, Gu-Yeon Wei, David Brooks Computer Performance Microscopy with SHIM Xi Yang, Stephen M. Blackburn, Kathryn S. McKinley Flexible Software Profiling of GPU Architectures Mark Stephenson, Siva Hari, Yunsup Lee, Eiman Ebrahimi, Daniel Johnson, David Nellans, Mike O'Connor, Stephen W. Keckler				COFFEE BREAK				Session 4A: BEAR: Techniques for Mitigating Bandwidth Bloat in Gigascale DRAM Caches Chiachen Chou, Aamer Jaleel, Moinuddin K. Qureshi A Fully Associative, Tagless DRAM Cache Yongjun Lee, Jongwon Kim, Hakbeom Jang, Hyungyun Yang, Jangwoo Kim, Jinkyu Jeong, Jae W. Lee Multiple Clone Row DRAM: A Low Latency and Area Optimized DRAM Jungwhan Choi, Wongyu Shin, Jaemin Jang, Jinwoong Suh, Yongkee Kwon, Youngsuk Moon, Lee-Sup Kim Flexible Auto-Refresh: Enabling Scalable and Energy-Efficient DRAM Refresh Reductions Ishwar Bhati, Zeshan Chishti, Shih-Lien Lu, Bruce Jacob				Session 4B: Cost-Effective Speculative Scheduling in High Performance Processors Arthur Perais, Andrzejec, Pierre Michaud, Andreas Sembrant, Erik Hagersten Lazy Superscalar Gorkem Asililoglu, Zhaoxiang Jin, Murat Koksall, Omkar Javeri, Soner Onder The Load Slice Core Microarchitecture Trevor E. Carlson, Wim Heirman, Osman Allam, Stefanos Kaxiras, and Lieven Eeckhout Semantic Locality and Context-based Prefetching using Reinforcement Learning Leor Peled, Shie Mannor, Uri Weiser, Yoav Etsion																									
IWQoS	D135 - D136	Session: Quality of Experience Chair: Vijay Sivaraman User-level Fairness Delivered: Network Resource Allocation for Adaptive Video Streaming Mu Mu Scalable Network-Based Video-Freeze Detection for HTTP Adaptive Streaming Tingyao Wu, Raf Husejens, Tom Boston Improving User QoE for Residential Broadband: Adaptive Traffic Management at the Network Edge Felix Ming Fai Wong, Carlee Joe-Wong, Sangtae Ha, Zhenming Liu and Mung Chiang AndroidPerf: A Cross-layer Profiling System for Android Applications Lei Xue, Chenxiang Qian, Xigu Luo Sustaining Ad-Driven P2P Streaming Ecosystems A Market-Based Approach Sung-Han Lin, Ranjan Pal, Bo-Chun Wang, Leana Golubchik				COFFEE BREAK AND POSTER SESSION				Short Papers: User Experience, Privacy, SDN Chair: Chen Qian WebQ: A Virtual Queue For Improving User Experience During Web Server Overload Bhavin Doshi, Chandan Kumar, Pulkit Piyush, Mythili Vutukuru Modeling Dynamics of Online Video Popularity Jiqiang Wu, Yipeng Zhou, Dah Ming Chiu, Zirong Zhu Publish Me and Protect Me, Personalized and Flexible Location Privacy Protection in Mobile Social Networks Yao Wu, Hui Peng, Xiaoying Zhang, Hong Chen, Cuiping Li Hamburger Attack: A Collusion Attack against Privacy-preserving Data Aggregation Schemes Wei Yang, Lusheng Huang, Lu Li, Mingjun Xiao, Xiaorong Lu, Yao Shen, Youwen Zhu Identity-Preserving Public Auditing for Shared Cloud Data Kai He, Chuanhe Huang, Kan Yang, Jiaoli Shi cCluster: A Highly Scalable and Elastic OpenFlow Control Plane Kun Qiu, Renlong Tu, Siyuan Huang, Jin Zhao, Xin Wang				Software Defined Backpressure Mechanism for Edge Router Xiangqing Chang, Jun Li, Guodong Wang, Zexin Zhang, Lingling Li, Yalin Niu Performance Study of Dynamic QoS Management for OpenFlow-enabled SDN Switches Raphael Durner, Andreas Blenk, Wolfgang Kellerer COSTA: Cross-layer Optimization for Sketch-based Software Defined Measurement Task Assignment Zhiyang Su, Ting Wang, Mounir Hamdi Traffic Engineering in Hierarchical SDN Control Plane Laijing Zhao, Jingyu Hua, Xin Ge, Sheng Zhong Broadband Fast-Lanes with Two-Sided Control: Design, Evaluation, and Economics Hassan Habibi Gharakheili, Vijay Sivaraman, Arun Vishwanath, Luke Exton, John Matthews, Craig L Russell																													
NetEcon	A103 - A104	NetEcon: The 10th Workshop on the Economics of Networks, Systems and Computation																																									
PLDI	Portland 256 (Red) Portland 254 - 255 (Blue)	Algorithmic Debugging of Real-World Haskell Programs: Deriving Dependencies from the Cost Centre Stack Maarten Faddegon, Olaf Chitil		Automatic Error Elimination by Multi-Application Code Transfer Stelios Sidiroglou-Douskos, Eric Lahtinen, Fan Long, Martin Rinard		Light: Replay via Tightly Bounded Recording Peng Liu, Xiangyu Zhang, Omer Tripp, Yunhui Zheng		Many-Core Compiler Fuzzing Nathan Chong, Alastair F. Donaldson, Andrei Lascu, Christopher Lidbury		COFFEE BREAK		LaminarIR: Compile-Time Queues for Structured Streams Yousun Ko, Bernd Burgstaller, Bernhard Scholz		Optimizing Off-Chip Accesses in Multicores Wei Ding, Xulong Tang, Mahmut Taylan Kandemir, Yuanrui Zhang, Emre Kulkarsay		Improving Compiler Scalability: Optimizing Large Programs at Small Price Sanyam Mehta, Pen-Chung Yew		Verification of a Cryptographic Primitive: SHA-256 Andrew Appel		Mechanized Verification of Fine-grained Concurrent Programs Ilya Sergey, Aleksandar Nanevski, Anindya Banerjee		Verification of Producer-Consumer Synchronization in GPU Programs Rahul Sharma, Michael Bauer, Alex Aiken		Relaxing Safely: Verified On-the-Fly Garbage Collection for x86-TSO Boaz Barak, Tony Hosking, Kai Engelhardt		Verifying Read-Copy-Update in a Logic for Weak Memory Joseph Tassarotti, Derek Dreyer, Viktor Vafeiadis		Asynchronous Programming, Analysis and Testing with State Machines Pantazis Deligiannis, Alastair Donaldson, Jeroen Ketema, Akash Lal, Paul Thomson		Stateless Model Checking Concurrent Programs with Maximal Causality Reduction Jeff Huang		Synthesizing racy tests Malavika Samak, Murali Krishna Ramanathan, Suresh Jagannathan		The Push/Pull model of transactions Eric Koskinen, Matthew Parkinson									
SPAA	A106	Communication-Efficient Computation on Distributed Noisy Datasets Qin Zhang Parallel Computation of Persistent Homology using the Blowup Complex Ryan Lewis, Dmitry Morozov				Self-Stabilizing Repeated Balls-into-Bins Luca Becchetti, Andrea Clementi, Emanuele Natale, Francesco Pasquale, Gustavo Posta Randomized Local Network Computing Laurent Feuillolet, Pierre Fraignaud																																					
STOC	Portland 252 Portland 253	(from 1:55pm) Preserving Statistical Validity in Adaptive Data Analysis. Cynthia Dwork, Vitaly Feldman, Moritz Hardt, Toniann Pitassi, Omer Reingold, Aaron Roth		Local, Private, Efficient Protocols for Succinct Histograms. Raef Bassily, Adam Smith		Improved Noisy Population Recovery, and Reverse Bonami-Beckner Inequality for Sparse Functions. Shachar Lovett, Jiapeng Zhang		Dictionary Learning and Tensor Decomposition via the Sum-of-Squares Method. Boaz Barak, Jonathan Kellner, David Steurer		COFFEE BREAK		On the Lovasz Theta function for Independent Sets. Nikhil Bansal, Anupam Gupta, Guru Guruganesh		The Complexity of the Simplex Method. John Fearnley, Rahul Savani		An Improved Version of the Random-Facet Pivoting Rule for the Simplex Algorithm. Thomas Dueholm Hans, Uri Zwick		Near Optimal LP Rounding Algorithm for Correlation Clustering on Complete and Complete k-partite Graphs. Shuchi Chawla, Konstantin Makarychev, Tselil Schramm, Grigory Yaroslavtsev		Nearly-Linear Time Positive LP Solver with Faster Convergence Rate. Zeyuan Allen-Zhu, Lorenzo Orecchia		Spectral Sparsification and Regret Minimization Beyond Matrix Multiplicative Updates. Zeyuan Allen-Zhu, Zhenyu Liao, Lorenzo Orecchia		(from 1:55pm) Randomized Composable Core-sets for Distributed Submodular Maximization. Yahab Mikami, Morteza Zadimoghaddam		Dimensionality Reduction for k-Means Clustering and Low Rank Approximation. Michael B. Cohen, Sam Elder, Cameron Musco, Christopher Musco, Madalina Persu		Space- and Time-Efficient Algorithm for Maintaining Dense Subgraphs on One-Pass Dynamic Streams. Sayan Bhattacharya, Monika Henzinger, Danupon Nanongka, Charalampos E. Tsourakakis		Ip Row Sampling by Lewis Weights. Michael B. Cohen, Richard Peng		Almost Optimal Pseudorandom Generators for Spherical Caps. Pravesh K. Kothari, Raghu Meka		Rectangles Are Nonnegative Juntas. Mika Göös, Shachar Lovett, Raghu Meka, Thomas Watson, David Zuckerman		Polynomially Low Error PCPs with poly(log log n) Queries via Modular Composition. Irit Dinur, Prahladh Harsha, Guy Kindler		The List Decoding Radius of Reed Muller Codes over Small Fields. Abhishek Bhowmick, Shachar Lovett		A Characterization of the Capacity of Online (Causal) Binary Channels. Zitan Chen, Sidharth Jaggi, Michael Langberg		Reed-Muller Codes for Random Erasures and Errors. Emmanuel Abbe, Amir Shpilka, Avi Wigderson	
TRANSACT	B110 - B112	Transactional Interference-less Balanced Tree Ahmed Hassan, Roberto Palmieri, Binoy Ravindran		Chihuahua: A Concurrent, Moving, Garbage Collector using Transactional Memory Todd Anderson, Melissa O'Neill, John Sarracino		Making Impractical Implementations Practical: Observationally Cooperative Multithreading Using HLE Melissa O'Neill, Christopher Stone		Transactional Tools for the Third Decade Matthew Kilgore, Stephan Louie, Chao Wang, Tingzhe Zhou, Wenjia Ruan, Yujie Liu, Michael Spear		COFFEE BREAK		Research Directions for Transactional Memory: What we have "solved" and what we should focus on Intro and challenge by Maurice Herlihy		Breakout session and Recap																													
VTDC	C126	Invited Talk: HARNES: Bringing Real Hardware Heterogeneity to the Cloud Dr. Guillaume Pierre				Umbrella: A Portable Environment Creator for Reproducible Computing on Clusters, Clouds, and Grids Haiyan Meng, Douglas Thain		COFFEE BREAK		Integrating Containers into Workflows: A Case Study Using Makeflow, Work Queue, and Docker Chao Zheng, Douglas Thain		Invited Talk: Bridging the Divide Between HPC and Commodity System Software Dr. John J. Lange																															
MAMA	B115 - B116	MAMA: The Workshop on Mathematical performance Modeling and Analysis (continued)																																									

Tuesday Morning, June 16

Event	Room	8:00	8:10	8:20	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20	12:30				
AdAuct	B117-B119						<i>Reservation Exchange Markets for Internet Advertising</i> Gagan Goel, Stefano Leonardi, Vahab Mirrokni, Afshin Nikzad, Renato Paes Leme	<i>Multi-stage Intermediation in Online Internet Advertising</i> Santiago Balseiro, Ozan Candogan, Huseyin Gurkan	<i>The Value of Knowing Your Enemy</i> Christos Tzamos, Christopher A. Wilkens	COFFEE BREAK				Keynote 1: Justin Rao																		
BigSystem	C126						Opening Remarks	Keynote: Brent Gorda <i>Feeding the Beast: Getting Data into Big Systems</i>				<i>Continuous Delivery of Composite Solutions: A Case for Collaborative Software Defined Paas Environments</i> Paula Austel, Han Chen, Thomas Mikalsen, Isabelle Rouvello, Upendra Sharma, Ignacio Silva-Lepe, Revathi Subramanian					<i>Providing Software-Defined Dynamic Federation For Scientific Workflows</i> Moustafa Abdelbaky, Javier Diaz-Montes, Mengsong Zou, Manish Parashar					COFFEE BREAK										
COBE	A107-A109	COBE: Third Annual Workshop on Crowdsourcing and Online Behavioral Experiments																														
EC	C120-C122	Tutorial: <i>Dynamic Pricing Under Model Uncertainty</i>																														
ISCA	7:15-8:00am BREAKFAST Room: Oregon 201-202	Fast Forward Session II Room: Oregon 201-202					Room: Oregon 201-202 Session 5: <i>Exploring the Potential of Heterogeneous Von Neumann/Dataflow Execution Models</i> Tony Nowatzki, Vinay Gangadhar, Karthikeyan Sankaralingam <i>SHRINK: Reducing the ISA Complexity Via Instruction Recycling</i> runo Cardoso Lopes, Rafael Auler, Luiz Ramos, Edson Borin, Rodolfo Azevedo <i>Branch Vanguard: Decomposing Branch Functionality into Prediction and Resolution Instructions</i> Daniel McFarlin, Craig Zilles					COFFEE BREAK Oregon Ballroom Lobby					Room: Oregon 203 Session 6A: <i>PIM-Enabled Instructions: A Low-Overhead, Locality-Aware Processing-in-Memory Architecture</i> Junwhan Ahn, Sungjoo Yoo, Onur Mutlu, Kiyoung Choi <i>SLIP: Reducing Wire Energy in the Memory Hierarchy</i> Subhasis Das, Tor M. Aamodt, William J. Dally Room: Oregon 204 Session 6B: <i>CloudMonatt: an Architecture for Security Health Monitoring and Attestation of Virtual Machines in Cloud Computing</i> Tianwei Zhang, Ruby B. Lee <i>Reducing World Switches in Virtualized Environment with Flexible Cross-world Calls</i> Wenhao Li, Yubin Xia, Haibo Chen, Binyu Zang, Haibin Guan					12:30 - 2:30pm AWARDS LUNCHEON Portland Ballroom 257-258										
IWQoS	D135-136						<i>Short Papers: Crowdsourcing, Datacenters, Networking</i> Chair: Alex Afanasyev <i>Detecting low-quality crowdtesting workers</i> Ka Pui Mok, Weichao Li, Rocky Chang <i>Incentive and Reputation Mechanisms for Online Crowdsourcing Systems</i> Hong Xie, John Chi Shing Lui, Don Towsley <i>False Data Detection and Correction Framework for Participatory Sensing</i> Long Cheng, Linghe Kong, Chengwen Luo, Jianwei Niu, Yu Gu, Wenbo He, Sajal K. Das <i>Crowdsourcing Sensing to Smartphones: A Randomized Auction Approach</i> Juan Li, Yanmin Zhu, Yiqun Hua, Jiadi Yu <i>Enhancing TCP Incast Congestion Control Over Large-scale Datacenter Networks</i> Lei Xu, Ke Xu, Yong Jiang, Fengyuan Ren, Haiyang Wang <i>Catching Failures of Failures at Big-Data Clusters: a Two-Level Neural Network Approach</i> Andrea Rosà, Lydia Y. Chen, Walter Binder					<i>Contention Detection by Throttling: a Black-box On-line Approach</i> Joel Vallone, Robert Birke, Lydia Y. Chen, Babak Falsafi <i>A Methodology for Root-cause Analysis in Component Based Systems</i> Kui Wang, Carol J Fung, Chao Ding, Polo Pei, Shaohan Huang, Zhongzhi Luan, Depei Qian <i>Enhancing Reliability of Real-time Traffic via Cooperative Scheduling in Cognitive Radio Networks</i> Chowdhury Hyder, A. B. M. Alim Al Islam, Li Xiao <i>Performance and Incentive of Teamwork-based Channel Allocation in Spectrum Access Networks</i> Yuchao Zhang, Ke Xu, Haiyang Wang, Jiangchuan Liu, Yifeng Zhong, Wenlong Chen <i>Algebra and Algorithms for Efficient and Correct Multipath QoS Routing in Link State Networks</i> Haijun Geng, Xingang Shi, Xia Yin, Zhiliang Wang, Han Zhang <i>NetInf TP: a receiver-driven protocol for ICN data transport</i> Robert Potys, Noman Ali, Ian Marsh, Flutra Osmani <i>Compressing IP Forwarding Tables with Fast and Bounded Update</i> Yuanyuan Zhang, Mingwei Xu, Fei Liang, Ning Wang, Penghan Chen					COFFEE BREAK															
METRICS	B115-B116						Opening Remarks and Paper Awards	Sigmetrics Achievement Awards (Prof. Bruce Hajek)										COFFEE BREAK														
PLDI	Portland 254 - 255 (Blue)	One Minute Madness					<i>Composing Concurrency Control</i> Ofri Ziv, Alex Aiken, Guy Golan-Gueta, G. Ramalingam, Mooly Sagiv					<i>Dynamic Partial Order Reduction for Relaxed Memory Models</i> Naling Zhang, Markus Kusano, Chao Wang					<i>Monitoring Refinement via Symbolic Reasoning</i> Michael Emmi, Constantin Enea, Jad Hamza					<i>Preventing Glitches and Short Circuits in High-Level Self-Timed Chip Specifications</i> Stephen Longfield, Brittany Nkounkou, Rajit Manohar, Ross Tate										
	Portland 256 (Red)						<i>Efficient Synthesis of Network Updates</i> Jedidiah McClurg, Hossein Hojjat, Pavol Cerny, Nate Foster					<i>Efficient Synthesis of Probabilistic Programs</i> Aditya Nori, Sherjil Ozair, Sriram Rajamani, Deepak Vijaykeerthy					<i>FlashRelate: Extracting Relational Data from Semi-Structured Spreadsheets Using Examples</i> Dan Barowy, Sumit Gulwani, Ted Hart, Benjamin Zorn					<i>Synthesizing Data Structure Transformations from Input-Output Examples</i> John Feser, Swarat Chaudhuri, Isil Dillig										
ROSS	A103 - A104						Opening	Keynote: Kimberly Keeton <i>The Machine: An Architecture for Memory-centric Computing</i>										<i>Application Runtime Variability and Power Optimization for Exascale Computers</i> Allan Porterfield, Rob Fowler, Sridutt Bhalachandra, Barry Rountree, Diptorup Deb, Rob Lewis, Brian Blanton					<i>LIRA: Adaptive Contention-Aware Thread Placement for Parallel Runtime Systems</i> Alexander Collins, Tim Harris, Murray Cole, Christian Fensch <i>ANGEL: A Hierarchical Approach to Multi-Objective Online Auto-Tuning</i> Ray S. Chen, Jeffrey K. Hollingsworth									
ScienceCloud	D129-D130						Workshop Introduction	Keynote: Ewa Deelman <i>Challenges of Running Scientific Workflows in Cloud Environments</i>					<i>Scaling VM Deployment in an Open Source Cloud Stack</i> Kaveh Razavi, Stefania Costache, Andrea Gardiman, Kees Verstoep, Thilo Kielmann					<i>Architecting a Persistent and Reliable Configuration Management System</i> Dmitry Duplyakin, Matthew Haney, Henry Tufo														
SCREAM	C125						Introduction	Keynote: Ian Foster <i>What can science cyberinfrastructure learn from commercial IT?</i>										<i>Dynamic Provisioning of Data Intensive Computing Middleware Frameworks: A Case Study</i> Linh Ngo, Michael Payne, Flavio Villanustre, Richard Taylor, Amy Apon					<i>Achieving Formal Parallel Program Debugging by Incentivizing CS/HPC Collaborative Tool Development</i> Ganesh Gopalakrishnan, Geof Sawaya					<i>Apache Airavata as a Laboratory: Architecture and Case Study for Component-Based Gateway Middleware</i> Suresh Marru, Marlon Pierce, Sudhakar Pamidighantam, Chathuri Wimalasena				
STOC	Portland 252	<i>Forrelation: A Problem that Optimally Separates Quantum from Classical Computing.</i> Scott Aaronson, Andris Ambainis					<i>Quantum Information Complexity.</i> Dave Touchette					<i>Sparse Quantum Codes from Quantum Circuits.</i> Dave Bacon, Steven T. Flammia, Aram W. Harrow, Jonathan Shi					<i>Small Value Parallel Repetition for General Games.</i> Mark Braverman, Ankit Garg					<i>An Interactive Information Odometer and Applications.</i> Mark Braverman, Omri Weinstein					<i>The Communication Complexity of Interleaved Group Products.</i> W. T. Gowers, Emanuele Viola					
	Portland 253	<i>Approximating Nash Equilibria and Dense Bipartite Subgraphs via an Approximate Version of Caratheodory's Theorem.</i> Siddharth Barma					<i>Approximating the Nash Social Welfare with Indivisible Items.</i> Richard Cole, Vasilis Gkatzelis					<i>On the Complexity of Nash Equilibria in Anonymous Games.</i> Xi Chen, David Durfee, Anitha Orfanou					<i>Hardness of Graph Pricing Through Generalized Max-Dicut.</i> Euiwoong Lee					<i>Inapproximability of Truthful Mechanisms via Generalizations of the VC Dimension.</i> Amit Daniely, Michael Schapira, Gal Shahaf					<i>Inapproximability of Nash Equilibrium.</i> Aviad Rubinfeld					
TRANSACT	B110-B112						<i>Hardware support for Local Memory Transactions on GPU Architectures</i> Alejandro Villegas, Angeles Navarro, Rafael Asenjo, Oscar Plata, Rafael Ubal, David Kaeli					<i>Between All and Nothing — Versatile Aborts in Hardware Transactional Memory</i> Stephan Diestelhorst, Martin Nowack, Michael Spear, Christof Fetzer					Lightning talks					COFFEE BREAK										

FCRC Plenary Speaker: Olivier Temam
Hardware Neural Networks: From Inflated Expectations to Plateau of Productivity
Exhibit Hall A

8:15-9:00am Continental Breakfast, Exhibit Halls A1-B Portland Ballroom Lobby
11:00-11:20am AM Coffee Break, Exhibit Halls A1-B
12:30-2:00pm Lunch, Exhibit Halls A1-B

Tuesday Afternoon, June 16

Event	Room	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20	6:30	7:30	
AdAuct	B117-B119	<i>On the Truthfulness of GSP</i> Ruggiero Cavallo, Prabhakar Krishnamurthy, Christopher Wilkens		<i>Quality of Outcomes in Online Advertisement with Multiplicative Bid Adjustments</i> Pooya Jalaly Khalilabadi, Eva Tardos		<i>Permutation Invariant Learning and Dynamic Mechanism Design</i> Ruggiero Cavallo, Chris Wilkens, Abhradeep Thakurta		<i>Mechanism Design for Mixed Ads</i> Yoram Bachrach, Sofia Ceppi, Ian Kash, Peter Key, Reza Khani		COFFEE BREAK				Keynote 2: Hamid Nazerzadeh																	
BigSystem	C126	<i>Redefining Data Locality for Cross-Data Center Storage</i> Kwangsung Oh, Ajaykrishna Raghavan, Abhishek Chandra, Jon Weissman <i>XOS: An Extensible Cloud Operating System</i> Larry Peterson, Scott Baker, Andy Bavier, Sapan Bhatia, Jude Nelson, Mike Wawzoniak, John Hartman						<i>Virtual Fabric-based Approach for Virtual Data Center Network</i> Khalil Blaiech, Omar Cherkaoui						COFFEE BREAK				Panel: <i>Building Flexibly Changeable Systems at Scale</i>													
EC	C120-C122	Tutorial: <i>Social Network Models and Data</i>																													
ISCA	Oregon 203	12:30 - 2:30pm AWARDS LUNCHEON (continued) Oregon 201-202						Session 7A: <i>ArMOR: Defending Against Memory Consistency Model Mismatches in Heterogeneous Architectures</i> Daniel Lustig, Caroline Trippel, Michael Pellauer, Margaret Martonosi <i>CLEAN: A Race Detector with Cleaner Semantics</i> Cedomir Segulja, Tarek Abdelrahman						<i>MISAR: Minimalistic Synchronization Accelerator with Resource Overflow Management</i> Ching-Kai Liang, Milos Prvulovic <i>Callback: Efficient Synchronization without Invalidation with a Directory Just for Spin-Waiting</i> Alberto Ros, Stefanos Kaxiras																	
	Oregon 204							Session 7B: <i>Thermal Time Shifting: Leveraging Phase Change Materials to Reduce Cooling Costs in Warehouse-Scale Computers</i> Matt Skach, Manish Arora, Chang-Hong Hsu, Qi Li, Dean Tullsen, Lingjia Tang, Jason Mars <i>Heracles: Improving Resource Efficiency at Scale</i> David Lo, Liqun Cheng, Rama Govindaraju, Parthasarathy Ranganathan, Christos Kozyrakis						<i>HEB: Deploying and Managing Hybrid Energy Buffers for Improving Datacenter Efficiency and Economy</i> Longjun Liu, Chao Li, Hongbin Sun, Yang Hu, Juncheng Gu, Tao Li, Jingmin Xin, Nanning Zheng <i>Architecting to Achieve a Billion Requests Per Second Throughput on a Single Key-Value Store Server Platform</i> Sheng Li, Hyeontaek Lim, Victor Lee, Jung Ho Ahn, Anuj Kalia, Michael Kaminsky, David Andersen, Seongil O, Sukhan Lee, Pradeep Dubey																	
IWQoS	D135-136	Session: <i>Networking</i> Chair: Mythili Vutukuru <i>Identifying Frequent Flows in Large Datasets through Probabilistic Bloom Filters</i> Junjun Yao, Sisi Xiong, Jilong Liao, Michael W. Berry, Hairong Qi, Qing Cao <i>One-Hashing Bloom Filter</i> Jianyuan Lu, Tong Yang, Yi Wang, Huichen Dai, Linxiao Jin, Haoyu Song, Bin Liu <i>Mining Network Traffic Anomaly Based on Adjustable Piecewise Entropy</i> Geng Tian, Zhiliang Wang, Xia Yin, Li Zimu, Xingang Shi, Ziyi Lu, Chao Zhou, Yang Yu, Yingya Guo						<i>Fine-Grained Dissection of WeChat in Cellular Networks</i> Qun Huang, Patrick Pak-Ching Lee, Caifeng He, Jianfeng Qian, Cheng He <i>WebPro: A Proxy-Based Approach for Low Latency Web Browsing on Mobile Devices</i> Ali Sehati, Majid Ghaderi						COFFEE BREAK				Session: <i>Scheduling and Load Balancing</i> Chair: Yu Hua <i>Stability Analysis of Frame Slotted Aloha Protocol</i> Jihong Yu, Lin Chen <i>Scheduling with Predictable Link Reliability for Wireless Networked Control</i> Hongwei Zhang, Xiaohu Liu, Chuan Li, Yu Chen, Xin Che, Feng Lin, Le Yi Wang, George Yin <i>Even Data Placement for Load Balance in Reliable Distributed Deduplication Storage Systems</i> Min Xu, Yunfeng Zhu, Patrick Pak-Ching Lee, Yinlong Xu						<i>Fair Rewarding in Colocation Data Centers: Truthful Mechanism for Emergency Demand Response</i> Qihang Sun, Chuan Wu, Shaolei Ren, Zongpeng Li <i>Robust Resource Reservation in Virtual Wireless Networks</i> Ali Abbasi, Majid Ghaderi		Concluding Remarks					
METRICS	B115-B116	<i>Online Auctions in IaaS Clouds: Welfare and Profit Maximization with Server Costs</i> Xiaoxi Zhang, Zhiyi Huang, Chuan Wu, Zongpeng Li, Francis C.M. Lau <i>Distributed Proportional Fair Load Balancing in Heterogeneous Systems</i> Se-Young Yun, Alexandre Proutiere						<i>Multi-resource fairness: Objectives, algorithms and performance</i> Thomas Bonald, James Roberts <i>Exchange of Services in Networks: Competition, Cooperation, and Fairness</i> Leonidas Georgiadis, George Iosifidis, Leandros Tassioulas						COFFEE BREAK				<i>Whittle index approach to size-aware scheduling with time-varying channels</i> Samuli Aalto, Pasi Lassila, Praywal Osti <i>60 GHz Indoor Networking through Flexible Beams: A Link-Level Profiling</i> Sanjib Sur, Vignesh Venkateswaran, Xinyu Zhang, Parmesh Ramanathan <i>Sponsored Data Plan: A Two-Class Service Model in Wireless Data Networks</i> Liang Zhang, Weijie Wu, Dan Wang						<i>Queue-Proportional Rate Allocation with Per-Link Information in Multihop Networks</i> Bin Li, R. Srikanth <i>Resource Allocation and Rate Gains in Practical Full-Duplex Systems</i> Jelena Marasevic, Jin Zhou, Harish Krishnaswamy, Yuan Zhong, Gil Zussman							
PLDI	Portland 254 - 255 (Blue)	<i>DAG Inlining: A Decision Procedure for Reachability-Modulo-Theories in Hierarchical Programs</i> Akash Lal, Shaz Qadeer		<i>Exploring and Enforcing Security Guarantees via Program Dependence Graphs</i> Andrew Johnson, Lucas Wayne, Scott Moore, Stephen Chang		<i>Making Numerical Program Analysis Fast</i> Gagandeep Singh, Markus Püschel, Martin Vechev		<i>Tree Dependence Analysis</i> Yusheng Weijiang, Shruthi Balakrishna, Jianqiao Liu, Milind Kulkarni		COFFEE BREAK				<i>PLDI Chairs' Report</i> David Grove, Steve Blackburn, Eric Eide, John Regehr		<i>SIGPLAN Townhall Meeting</i> Jan Vitek															
	Portland 256 (Red)	<i>A Formal C Memory Model Supporting Integer-Pointer Casts</i> Jeehoon Kang, Chung-Kil Hur, William Mansky, Dmitri Garbuzov, Steve Zdancewic, Viktor Vafeiadis		<i>Defining the undefinability of C</i> Chris Hathhorn, Chucky Ellison, Grigore Rosu		<i>KIS: A Complete Formal Semantics of JavaScript</i> Daejun Park, Andrei Stefanescu, Grigore Rosu		<i>Verdi: A Framework for Formally Verifying Distributed System Implementations</i> James R. Wilcox, Doug Woos, Pavel Panchevka, Zachary Tatlock, Xi Wang, Michael D. Ernst, Thomas Anderson		COFFEE BREAK				Student Research Competition - Student Research Competition Talks																	
ROSS	A103-A104	<i>Exploring the Design Space of Combining Linux with Lightweight Kernels for Extreme Scale Computing</i> Balazs Gerofi, Masamichi Takagi, Yutaka Ishikawa, Rolf Riesen, Evan Powers, Robert W. Wisniewski <i>Analyzing System Calls in Multi-OS Hierarchical Environments</i> Roberto Gioiosa, Robert W. Wisniewski, Ravi Murty, Todd Inglett						<i>System-Level Support for Composition of Applications</i> Brian Kociloski, John Lange, Hasan Abbasi, David E. Bernholdt, Terry R. Jones, Jai Dayal, Noah Evans, Michael Lang, Jay Lofstead, Kevin Pedretti, Patrick G. Bridges <i>Quantifying Scheduling Challenges for Exascale System Software</i> Oscar H. Mondragon, Patrick G. Bridges, Terry Jones						COFFEE BREAK				Panel: <i>What is a Lightweight Kernel?</i>						Best Paper Award and Closing Remarks							
ScienceCloud	D129-D130	<i>On Performance Resilient Scheduling for Scientific Workflows in HPC Systems with Constrained Storage Resources</i> Yang Wang, Wei Shi, Eduardo Berrocal						Panel: <i>Real-time scientific data stream processing</i> Manish Parashar, Doug Thain, Ioan Raicu, Rui Zhang						COFFEE BREAK				<i>A Dynamically Scalable Cloud Data Infrastructure for Sensor Networks</i> Tonglin Li, Kate Keahey, Ke Wang, Dongfang Zhao, Ioan Raicu		<i>Achieving Performance Isolation on Multi-Tenant Networked Clouds Using Advanced Block Storage Mechanisms</i> Paul Ruth, Anirban Mandal, Claris Castillo, Robert Fowler, Jeff Tilson, Ilya Baldin, Yufeng Xin		<i>High-Performance Storage Support for Scientific Applications on the Cloud</i> Dongfang Zhao, Xu Yang, Iman Sadooghi, Gabriele Garzeglio, Steven Timm, Ioan Raicu		Closing							
SCREAM	C125	Invited Presentation: <i>Revisiting the Anatomy and Physiology of the Grid</i> Chris Mattmann						<i>Authentication and Authorization Considerations for a Multi-tenant Service</i> Randy Heiland, Scott Koranda, Suresh Marru, Marlon Pierce, Von Welch		<i>Data Centric Discovery with a Data-Oriented Architecture</i> Robert Schuler, Carl Kesselman, Karl Czajkowski		<i>Science Gateway Canvas: A business reference model for Science Gateways</i> Shayan Shahand, Antoine van Kampen, Silvia Olabarriaga		COFFEE BREAK				<i>Jetstream: A Distributed Cloud Infrastructure for Under-resourced higher education communities</i> Jeremy Fischer, Craig Stewart, Ian Foster, Steven Tuecke		<i>Sustained software for cyberinfrastructure - analyses of successful efforts with a focus on NSF-funded software</i> Craig Stewart, William Barnett, Eric Wernert, Julie Wernert, Von Welch, Richard Knepper		Panel: <i>Designing Distributed Computing Infrastructure for Seamless Multi-site Execution</i>									
EC	A107-A109	Workshop: <i>The 5th Workshop on Social Computing and User-Generated Content</i>																													
STOC	Portland 252	<i>Indistinguishability Obfuscation for Turing Machines with Unbounded Memory</i> Venkata Koppula, Allison B. Lewko, Brent Waters <i>Succinct Garbling and Indistinguishability Obfuscation for RAM Programs</i> Ran Canetti, Justin Holmgren, Abhishek Jain, Vinod Vaikuntanathan <i>Succinct Randomized Encodings and their Applications</i> Nir Bitansky, Sanjam Garg, Huijia Lin, Rafael Pass, Sidharth Telang		<i>Garbled RAM From One-Way Functions.</i> Sanjam Garg, Steve Lu, Rafail Ostrovsky, Alessandra Scafuro		<i>Non-malleable Reductions and Applications.</i> Divesh Aggarwal, Yevgeniy Dodis, Tomasz Kazana, Maciej Obremski		<i>Leveled Fully Homomorphic Signatures from Standard Lattices.</i> Sergey Gorbunov, Vinod Vaikuntanathan, Daniel Wichs		COFFEE BREAK				<i>Boolean Function Monotonicity Testing Requires (Almost) n1/2 Non-Adaptive Queries.</i> Xi Chen, Anindya De, Rocco A. Servedio, Li-Yang Tan		<i>Quantum Spectrum Testing.</i> Ryan O'Donnell, John Wright		BREAK						<i>Exponential Separation of Information and Communication for Boolean Functions.</i> Anat Ganor, Gillat Kol, Ran Raz Room: Portland 251/257/258		<i>Lower Bounds on the Size of Semidefinite Programming Relaxations.</i> James R. Lee, Prasad Raghavendra, David Steurer Room: Portland 251/257/258		<i>2-Server PIR with Sub-Polynomial Communication.</i> Zeev Dvir, Sivakanth Gopi Room: Portland 251/7/8		Knuth Prize Lecture: László Babai Room: Portland 251/7/8 (until 7:30pm)	
	Portland 253	<i>Sketching and Embedding are Equivalent for Norms.</i> Alexandr Andoni, Robert Krauthgamer, Ilya Razenshteyn		<i>Prioritized Metric Structures and Embedding.</i> Michael Elkin, Arnold Filtser, Neiman Ofer		<i>Toward a Unified Theory of Sparse Dimensionality Reduction in Euclidean Space.</i> Jean Bourgain, Sjoerd Dirksen, Jelani Nelson		<i>A Directed Isoperimetric Inequality with Application to Bregman Near Neighbor Lower Bounds.</i> Amirali Abdullah, Suresh Venkatasubramanian		COFFEE BREAK				<i>Bypassing KLS: Gaussian Cooling and an O*(n3) Volume Algorithm.</i> Ben Cousins, Santosh Vempala		<i>FPTAS for #BIS with Degree Bounds on One Side.</i> Jingcheng Liu, Pinyan Lu															
TRANSACT	B110-B112	<i>Anatomy of a Meltdown: Non-Blocking Performance under High Contention</i> Dan Alistarh, William Hasenplaugh		<i>The correctness criterion for Deferred Update Replication</i> Maciej Kokocinski, Tadeusz Kobus, Pawel T. Wojciechowski		<i>Performance Analysis of Concurrent Red-Black Trees on HTM Platforms</i> Dimitrios Siakavaras, Konstantinos Nikas, Georgios Goumas, Nectarios Koziris		COFFEE BREAK				Invited talks: Perspectives on Transactional Memory				Lightning talks part 2															

Wednesday Morning, June 17

Event	Room	8:20	8:30	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20	
CCC	B117-B119					Strong locally testable codes with relaxed local decoders Oded Goldreich, Tom Gur, Ilan Komargodski			An entropy sunset inequality and polynomially fast convergence to Shannon capacity over all alphabets Venkatesan Guruswami, Ameya Velingker			The list-decoding size of Fourier-sparse Boolean functions Ishay Haviv, Oded Regev			Nonclassical polynomials as a barrier to polynomial lower bounds Abhishek Bhowmick, Shachar Lovett			COFFEE BREAK								
EC	C123-C124					Session 1: Econometrics for Learning Agents: Denis Nekipelov, Vasilis Syrgkanis, Eva Tardos Why Prices Need Algorithms Tim Roughgarden, Inbal Talgam-Cohen			COFFEE BREAK			Session 2A: Hidden Substitutes John Hatfield, Scott Kominers Full Substitutability in Trading Networks John Hatfield, Scott Kominers, Alexandru Nichifor, Michael Ostrovsky, Alexander Westkamp Near Feasible Stable Matchings with Complementarities Thanh Nguyen, Rakesh Vohra														
	C120-C122											Session 2B: Decentralized Dynamics and Fast Convergence in the Assignment Game Bary Pradelski Making the Most of Your Samples Zhiyi Huang, Yishay Mansour, Tim Roughgarden Commitment Without Regrets: Online Learning in Stackelberg Security Games Nina Balcan, Avrim Blum, Nika Haghtalab, Ariel Procaccia														
HPDC	B110-B112					Welcome from the Chairs			Keynote: Allen D. Malony, University of Oregon <i>Through the Looking-Glass: From Performance Observation to Dynamic Adaptation</i>			Turning Centralized Coherence and Distributed Critical-Section Execution on their Head: A New Approach for Scalable Distributed Shared Memory Stefanos Kaxiras, David Klaftenegger, Magnus Norgren, Alberto Ros, Konstantinos Sagonas			Uni-Address Threads: Scalable Thread Management for RDMA-based Work Stealing Shigeki Akiyama, Kenjiro Taura			A Case for Transforming Parallel Run-times into Operating System Kernels Kyle C. Hale, Peter Dinda			COFFEE BREAK					
ISCA	Oregon 203	7:15 - 8:20am BREAKFAST Oregon 201-202	Room Oregon 201-201 Session 8: A Variable Warp Size Architecture Timothy G. Rogers, Daniel R. Johnson, Mike O'Connor, Stephen W. Keckler Warped-Compression: Enabling Power Efficient GPUs through Register Compression Sangpil Lee, Keunsoo Kim, Gunjae Koo, Hyeran Jeon, Won Woo Ro, Murali Annavaram CAWA: Coordinated Warp Scheduling and Cache Prioritization for Critical Warp Acceleration of GPGPU Workloads Shin-Ying Lee, Akhil Arunkumar, Carole-Jean Wu Dynamic Thread Block Launch: A Lightweight Execution Mechanism to Support Irregular Applications on GPUs Jin Wang, Norm Rubin, Albert Sidelnik, Sudhakar Yalamanchili					COFFEE BREAK (Oregon Ballroom Lobby)			Session 9A: DynaSpAM: Dynamic Spatial Architecture Mapping using Out of Order Instruction Schedules Feng Liu, Heejin Ahn, Stephen R. Beard, Taewook Oh, David August Rumba: An Online Quality Management System for Approximate Computing Daya S Khudia, Babak Zamirai, Mehrzad Samadi, Scott Mahlke															
	Oregon 204										Session 9B: Manycore Network Interfaces for In-Memory Rack-Scale Computing Alexandros Daglis, Stanko Novakovic, Edouard Bugnion, Babak Falsafi, Boris Grot Unified Address Translation for Memory-Mapped SSDs with FlashMap Jian Huang, Anirudh Badam, Moinuddin K. Qureshi, and Karsten Schwan															
METRICS	B115-B116					Transient and Steady-state Regime of a Family of List-based Cache Replacement Algorithms Nicolas Gast, Benny Van Houdt Memory Row Reuse Distance and its Role in Optimizing Application Performance Mahmut Kandemir, Hui Zhao, Xulong Tang, Mustafa Karakoy Smartphone Energy Drain in the Wild: Analysis and Implications X. Mona Chen, Abhilash Jindal, Ning Ding, Y. Charlie Hu, Maruti Gupta, Rath Vannithamby			Newer Is Sometimes Better: An Evaluation of NFSv4.1 Ming Chen, Dean Hildebrand, Geoff Kuenning, Soujanya Shankaranarayan, Bharat Singh, Erez Zadok A Large-Scale Study of Flash Memory Failures in the Field Justin Meza, Qiang Wu, Sanjeev Kumar, Onur Mutlu			COFFEE BREAK														
PLDI	Portland 254-255 (Blue)	One Minute Madness				Student Research Competition Awards Session Isil Dillig		Automated Detection of Performance Bugs via Static Analysis Oswaldo Olivo, Isil Dillig, Calvin Lin		Autotuning Algorithmic Choice for Input Sensitivity Yufei Ding, Jason Ansel, Kalyan Veeramachaneni, Xipeng Shen, Una-May O'Reilly, Saman Amarasinghe		Helium: Lifting High-Performance Stencil Kernels from Stripped x86 Binaries to Halide DSL Code Charith Mendis, Jeffrey Bosboom, Kevin Wu, Shoaib Kamil, Jonathan Ragan-Kelley, Sylvain Paris, Qin Zhao, Saman Amarasinghe		Profile-Guided Meta-Programming William J. Bowman, Swaha Miller, Vincent St-Amour, R. Kent Dybvig		COFFEE BREAK										
	Portland 256 (Red)					Declarative Programming over Eventually Consistent Data Stores KC Sivaramakrishnan, Gowtham Kaki, Suresh Jagannathan		Blame and coercion: Together again for the first time Jeremy Siek, Peter Thiemann, Philip Wadler		Lightweight, Flexible Object-Oriented Generics Yizhou Zhang, Andrew Myers, Barbara Liskov, Guido Salvaneschi, Matt Loring		Relatively Complete Counterexamples for Higher-Order Programs Phúc Nguyễn, David Van Horn														
STOC	Portland 252					Fast Matrix Multiplication: Limitations of Coppersmith-Winograd Method Andris Ambainis, Yuval Filmus, François Le Gall		High Parallel Complexity Graphs and Memory-Hard Functions Joël Alwen, Vladimir Serbinenko		Byzantine Agreement with Optimal Early Stopping, Optimal Resilience and Polynomial Complexity Ittai Abraham, Danny Dolev		Test-and-Set in Optimal Space George Giakkoupis, Maryam Helmi, Lisa Higham, Philipp Woelfel		Adjacency Labeling Schemes and Induced-Universal Graphs Stephen Alstrup, Haim Kaplan, Mikkel Thorup, Uri Zwick		How Well Can Graphs Represent Wireless Interference? Magnus M. Halldorsson, Tigran Tonoyan		COFFEE BREAK								
	Portland 253					Excluded Grid Theorem: Improved and Simplified Julia Chuzhoy		The Directed Grid Theorem Ken-ichi Kawarabayashi, Stephan Kreutzer		Deterministic Global Minimum Cut of a Simple Graph in Near-Linear Time Ken-ichi Kawarabayashi, Mikkel Thorup		Beyond the Euler Characteristic: Approximating the Genus of General Graphs Ken-ichi Kawarabayashi, Anastasios Sidiropoulos		Computing with Tangles Martin Grohe, Pascal Schweitzer		Faster Canonical Forms for Primitive Coherent Configurations John Wilmes, Xiaorui Sun										

FCRC Plenary Speaker: Don Syme
The F# Path to Relaxation
Exhibit Hall A

8:15-9:00am Continental Breakfast, Exhibit Halls A1-B Portland Ballroom Lobby
11:00-11:20am AM Coffee Break, Exhibit Halls A1-B
12:30-2:00pm Lunch, Exhibit Halls A1-B

Wednesday Afternoon, June 17

Event	Room	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20						
CCC	B117-B119	Simplified lower bounds on the multiparty communication complexity of disjointness Anup Rao, Amir Yehudayoff			How to compress asymmetric communication Sivaramakrishnan Natarajan Ramamoorthy, Anup Rao			Majority is incompressible by $AC^0[p]$ circuits Igor C. Oliveira, Rahul Santhanam			COFFEE BREAK			Lower bounds for depth three arithmetic circuits with small bottom fanin Neeraj Kayal, Chandan Saha			A depth-five lower bound for iterated matrix multiplication Suman K. Bera, Amit Chakrabarti			Factors of low individual degree polynomials Rafael Oliveira														
EC	C123-C124	Session 3A: Online reputation management: Estimating the impact of management responses on consumer reviews Proserpio Davide, Georgios Zervas Canary in the e-Commerce Coal Mine: Detecting and Predicting Poor Experiences Using Buyer-to-Seller Masterov Dimitriy, Uwe Mayer, Steven Tadelis Coalition Games on Interaction Graphs: A Horticultural Perspective Nicolas Bousquet, Zhentao Li, Adrian Vetta Efficient Allocation via Sequential Scrip Auctions Gil Kalai, Reshef Meir, Moshe Tennenholtz						COFFEE BREAK						Session 4A: Algorithms as Mechanisms: The Price of Anarchy of Relax-and-Round: Paul Duetting, Thomas Kesselheim, Eva Tardos Smooth Online Mechanisms: A Game-Theoretic Problem in Renewable Energy Markets: Thomas Kesselheim, Robert Kleinberg, Eva Tardos Greedy Algorithms make Efficient Mechanisms: Brendan Lucier, Vasilis Syrgkanis Algorithms against Anarchy: Understanding Non-Truthful Mechanisms: Paul Duetting, Thomas Kesselheim																				
	C120-C122	Session 3B: Near-Optimum Online Ad Allocation for Targeted Advertising Joseph (Seffi) Naor, and David Wajc Core-competitive Auctions Gagan Goel, Mohammad Khani, Renato Paes Leme Adverse Selection and Auction Design for Internet Display Advertising Nick Arnosti, Marissa Beck, Paul Milgrom Online Stochastic Budgeted Allocation with Traffic Spikes Hossein Esfandiari, Nitish Korula, Vahab Mirrokni						Session 4B: A non-asymptotic approach to analyzing kidney exchange graphs Yichuan Ding, Dongdong Ge, Simai He, Christopher Ryan Designing Matching Mechanisms under General Distributional Constraints Masahiro Goto, Fuhito Kojima, Ryoji Kurata, Akihisa Tamura, Makoto Yokoo Private Pareto Optimal Exchange Sampath Kannan, Morgenstern Jamie, Ryan Rogers, Aaron Roth An Approximate Law of One Price in Random Assignment Games Assaf Romm, avinatan hassidim																										
HPDC	B110-B112	A Multi-platform Study of I/O Behavior on Petascale Supercomputers Huong Luu, Marianne Winslett, William Gropp, Robert Ross, Philip Carns, Kevin Harms, Mr Prabhat, Suren Byna, Yushu Yao			CAST: Tiering Storage for Data Analytics in the Cloud Yue Cheng, M. Safdar Iqbal, Aayush Gupta, Ali R. Butt			HPC System Lifetime Story: workload characterization and evolutionary analyses on NERSC Systems Gonzalo Pedro Rodrigo Alvarez, Erik Elmroth, P-O Ostberg, Katie Antypas, Richard Gerber, Lavanya Ramakrishnan			In-Situ Bitmaps Generation and Efficient Data Analysis based on Bitmaps Yu Su, Yi Wang, Gagan Agrawal			COFFEE BREAK			Automated Characterization of Parallel Application Communication Patterns Philip C. Roth, Jeremy S. Meredith, Jeffrey S. Vetter			Cache Line Aware Optimizations for ccNUMA Systems Sabela Ramos Gareia, Torsten Hoefler			XEMEM: Efficient Shared Memory for Composed Applications on Multi OS/R Exascale Systems Brian Koccoloski, John (Jack) Lange			Transit: A Visual Analytical Model for Multithreaded Machine Ang Li, Akash Kumar, Y.C. Tay, Henk Corporaal			DARE: High-Performance State Machine Replication on RDMA Networks Mariusus Poke, Torsten Hoefler					
ISCA	Oregon 203	(from 1:50pm) Session 10A: FASE: Finding Amplitude-modulated Side-channel Emanations Robert Callan, Alenka Zajc, Milos Prvulovic Probable Cause: The De-anonymizing Effects of Approximate DRAM Amir Rahmati, Matthew Hicks, Daniel E. Holcomb, Kevin Fu PRORAM: Dynamic Prefetcher for Oblivious RAM Xiangyao Yu, Syed Kamran Haider, Ling Ren, Christopher Fletcher, Albert Kwon, Marten van Dijk, Srinivas Devadas						COFFEE BREAK (Oregon Ballroom Lobby)						Session 11A: FaultHound: Value-Locality-Based Soft-Fault Tolerance Nitin, Irith Pomeranz, T. N. Vijaykumar COP: To Compress and Protect Main Memory David J. Pallaman, Nam Sung Kim, Mikko H. Lipasti Hi-fi Playback: Tolerating Position Errors in Shift Operations of Racetrack Memory Chao Zhang, Guangyu Sun, Xian Zhang, Weiqi Zhang, Weisheng Zhao, Tao Wang, Yun Liang, Yongpan Liu, Yu Wang, Jiwu Shu																				
	Oregon 204	(from 1:50pm) Session 10B: MBus: An Ultra-Low Power Interconnect Bus for Next Generation Nanopower Systems Pat Pannuto, Yoonmyung Lee, Ye-Sheng Kuo, Zhi Yoong Foo, Benjamin Kempke, Gyouhu Kim, Ronald Dreslinski Jr., David Blaauw, Prabal Dutta Accelerating Asynchronous Programs through Event Sneak Peak Gaurav Chadha, Scott Mahlke, Satish Narayanasamy VIP: Virtualizing IP Chains on Handheld Platforms Nachiappan Chidambaram Nachiappan, Haibo Zhang, Jihyun Ryoo, Niranjan Soundararajan, Anand Sivasubramaniam, Mahmut Kandemir, Ravishankar Iyer, and Chita R. Das						Session 11B: Stash: Have Your Scratchpad and Cache it Too Rakesh Komuravelli, Matthew D. Sinclair, Johnathan Alsop, Muhammad Huzaifa, Maria Kotsifakou, Prakalp Srivastava, Sarita V. Adve, Vikram Adve Coherence Protocol for Transparent Management of Scratchpad Memories in Shared Memory Manycore Architectures Luc Alvarez, Lluís Vilanova, Miquel Moreto, Marc Casas, Marc González, Xavier Martorell, Nacho Navarro, Eduard Ayguadé, Mateo Valero Fusion: Design Tradeoffs in Coherent Cache Hierarchies for Accelerators Snehasish Kumar, Arvindh Shriraman, Naveen Vedula																										
METRICS	B115-B116	Session 4 (from 1:50pm) Online Convex Optimization Using Predictions Niangjun Chen, Anish Agarwal, Adam Wierman, Siddharth Barman, Lachlan Andrew Reliable Multiple-choice Iterative Algorithm for Crowdsourcing Systems Donghyeon Lee, Joonyoung Kim, Hyunmin Lee, Kyomin Jung An Online Learning Approach to Improving the Quality of Crowd-Sourcing Yang Liu, Mingyan Liu Learning to Rank: Regret Lower Bound and Efficient Algorithms Richard Combes, Stefan Magureanu, Alexandre Proutiere, Cyrille Laroche						COFFEE BREAK						Session 5 and Announcements Bandits with Budgets: Regret Lower Bounds and Optimal Algorithms Richard Combes, Chong Jiang, R Srikanth Social Network Monetization via Sponsored Viral Marketing Pariyana Chalermsook, Atish Das Sarma, Ashwin Lall, Danupon Nanongkai Spy vs. spy: rumor source obfuscation Giulia Fanti, Peter Kairouz, Sewoong Oh, Pramod Viswanath Greedy-Bayes for Targeted News Dissemination Laurent Massoulié, Mesrob I. Ohannessian, Alexandre Proutiere																				
PLDI	Portland 254-255 (Blue)	Celebrating Diversity: A Mixture of Experts Approach for Runtime Mapping in Dynamic Environments Murali Krishna Emani, Michael O'Boyle			Efficient Execution of Recursive Programs on Commodity Vector Hardware Bin Ren, Youngjoon Jo, Sriram Krishnamoorthy, Kunal Agrawal, Milind Kulkarni			Loop and Data Transformations for Sparse Matrix Code Anand Venkat, Mary Hall, Michelle Mills Strout			Synthesizing Parallel Graph Programs via Automated Planning Dimitrios Proutzos, Roman Manevich, Keshav Pingali			COFFEE BREAK			Concurrency Debugging with Differential Schedule Projections Nuno Machado, Brandon Lucia, Luis Rodrigues			Synthesis of Machine Code from Semantics Venkatesh Srinivasan, Thomas Reps			Synthesis of ranking functions using extremal counterexamples Laure Gonnord, David Monniaux, Gabriel Radanne			Type-and-Example-Directed Program Synthesis Peter-Michael Osera, Steve Dzancewic								
	Portland 256 (Red)	Automatic Induction Proofs of Data-Structures in Imperative Programs Duc-Hiep Chu, Joxan Jaffar, Minh-Thai Trinh			Compositional Certified Resource Bounds Quentin Carbonneaux, Jan Hoffmann, Zhong Shao			Peer-to-peer Affine Commitment using Bitcoin Karl Cray, Michael J. Sullivan			Termination and Non-Termination Specification Inference Ton Chanh Le, Shengchao Qin, Wei Ngan Chin			Zero-Overhead Metaprogramming: Reflection and Metaobject Protocols Fast and without Compromises Stefan Marr, Chris Seaton, Stephane Ducasse			Finding Counterexamples from Parsing Conflicts Chinawat Israidsaikul, Andrew Myers			Interactive Parser Synthesis by Example Alan Leung, John Sarracino, Sorin Lerner			A Simpler, Safer Programming and Execution Model for Intermittent Systems Brandon Lucia, Benjamin Ransford											
STOC	Portland 252	(from 1:55pm) Random Permutations Using Switching Networks Artur Czumaj			Hypergraph Markov Operators, Eigenvalues and Approximation Algorithms Anand Louis			Testing Cluster Structure of Graphs Artur Czumaj, Pan Peng, Christian Sohler			Solving the Shortest Vector Problem in 2n Time via Discrete Gaussian Sampling Divesh Aggarwal, Daniel Dadush, Oded Regev, Noah Stephens-Davidowitz			COFFEE BREAK			Approximate k-Flat Nearest Neighbor Search Wolfgang Mulzer, Huy L. Nguyen, Paul Seiferth, Yannik Stein			Optimal Data-Dependent Hashing for Approximate Near Neighbors Alexandr Andoni, Ilya Razenshteyn			Time Lower Bounds for Nonadaptive Turnstile Streaming Algorithm Kasper Green Larsen, Jelani Nelson, Huy Le Nguyen			From Independence to Expansion and Back Again Tobias Christiani, Rasmus Pagh, Mikkel Thorup			Super-Resolution, Extremal Functions and the Condition Number of Vandermonde Matrices. Ankur Moitra			Analysis of a Classical Matrix Preconditioning Algorithm Leonard J. Schulman, Alistair Sinclair		
	Portland 253	(from 1:55pm) Learning Arbitrary Statistical Mixtures of Discrete Distributions Jian Li, Yuval Raban, Leonard J. Schulman, Chaitanya Swamy			Tight Bounds for Learning a Mixture of Two Gaussians Moritz Hardt, Eric Price			Learning Mixtures of Gaussians in High Dimensions Rong Ge, Qingqing Huang, Sham M. Kakade			Efficiently Learning Ising Models on Arbitrary Graphs Guy Bresler			A Polynomial-Time Bicriteria Approximation Scheme for Planar Bisection Kyle Fox, Philip N. Klein, Shay Mozes			Minimizing Flow-Time on Unrelated Machines Nikhil Bansal, Janardhan Kulkarni			Randomized Rounding for the Largest j-Simplex Problem Aleksandar Nikolov			Greedy Algorithms for Steiner Forest Anupam Gupta, Amit Kumar			Secretary Problems with Non-Uniform Arrival Order Thomas Kesselheim, Robert Kleinberg, Rad Niazadeh			Online Submodular Welfare Maximization: Greedy beats 1/2 Nitish Korula, Vahab Mirrokni, Morteza Zadimoghaddam					

12:30-2:00pm Lunch, Exhibit Halls A1-B

3:30-4:00pm PM Coffee Break, Exhibit Halls A1-B Portland Ballroom Lobby

Thursday Morning, June 18

Event	Room	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20		
CCC	B117-B119			Verifiable stream computation and Arthur-Merlin communication Amit Chakrabarti, Graham Cormode, Andrew McGregor, Justin Thaler, Suresh Venkatasubramanian			Identifying an honest EXP^{NP} oracle among many Shuichi Hirahara			Adaptivity helps for testing juntas Rocco A. Servedio, Li-Yang Tan, John Wright			A characterization of hard-to-cover CSPs Amey Bhargale, Prahladh Harsha, Girish Varma			COFFEE BREAK									
EC	C123-C124	Session 5a: Designing Dynamic Contests Kostas Bimpikis, Shayan Ehsani, Mohamed Mostagir Managing Innovation in a Crowd Daron Acemoglu, Mohamed Mostagir, Asuman Ozdaglar Incentive-compatible experiment design Panos Toulis, David Parkes					COFFEE BREAK					Session 6A: Ignorance is Almost Bliss: Near-Optimal Stochastic Matching With Few Queries Avrim Blum, John Dickerson, Nika Haghtalab, Ariel Procaccia, Tuomas Sandholm, Ankit Sharma Matching with Stochastic Arrival Neil Thakral Leximin Allocations in the Real World David Kurokawa, Ariel Procaccia, Nisarg Shah													
	C120-C122	Session 5B: Information Asymmetries in Common Value Auctions with Discrete Signals Vasilis Syrgkanis, David Kempe, Eva Tardos Simple Auctions with Simple Strategies Nikhil Devanur, Morgenstern Jamie, Vasilis Syrgkanis, Matthew Weinberg Randomization beats Second Price as a Prior-Independent Auction Hu Fu, Nicole Immorlica, Brendan Lucier, Philipp Strack										Session 6B: Competitive analysis via benchmark decomposition Ning Chen, Nick Gravin, Pinyan Lu Simple Mechanisms for a Combinatorial Buyer Aviad Rubinfeld, Matthew Weinberg Public projects, Boolean functions and the borders of Borders theorem Parikshit Gopalan, Noam Nisan, Tim Roughgarden													
HPDC	B110-B112						Keynote: Ewa Deelman High Impact Computing: Computing for Science and the Science of Computing					Practical Resource Management in Power-Constrained High Performance Computing Tapasya Patki, Anjana Sasidharan, Matthias Maiterth, David Lowenthal, Barry Rountree, Martin Schulz, Bronis de Supinski			Optimizing Grouped Aggregation in Geo-Distributed Streaming Analytics Benjamin Heintz, Abhishek Chandra, Ramesh K. Sitaraman			POW: System-wide Dynamic Reallocation of Limited Power in HPC Daniel A. Ellsworth, Allen D. Malony, Barry Rountree, Martin Schulz		COFFEE BREAK					
LCTES	B113-B114						Welcome			Improving Data Access Efficiency by Using Context-Aware Loads and Stores Alen Bardizbanyan, Magnus Sjalander, David Whalley, Per Larsson-Edefors			Enabling Efficient Alias Speculation Soumyadeep Ghosh, Yongjun Park, Arun Raman			Compiler Directed Lightweight Soft Error Resilience Qingrui Liu, Devesh D Tiwari, Dongyoon Lee, Changhee Jung			COFFEE BREAK						
METRICS	B115-B116						Sigmetrics Rising Star Award Prof. Jinwoo Shin					Session 6 DiskAccel: Accelerating Disk-Based Experiments by Representative Sampling Mojtaba Tarihi, Hossein Asadi, Hamid Sarbazi-Azad Combining Phase Identification and Statistic Modeling for Automated Parallel Benchmark Generation Ye Jin, Xiaosong Ma, Qing Liu, Mingliang Liu, Jeremy S. Logan, Norbert Podhorszki, Jong Youl Choi, Scott Klasky					COFFEE BREAK								
PADL	C125				Welcome and Introduction		Invited Speaker: Martin Erwig The Choice Calculus and Its Applications					Programming Microcontrollers in Ocaml: the OCaPIC Project B. Vaugon, P. Wang, E. Chailloux			Ontology-Driven Data Semantics Discovery for Cyber-Security M. Balduccini, S. Kushner, J. Speck			COFFEE BREAK							

FCRC Plenary Speaker: Kathy Yelick
The Endgame for Moore's Law: Architecture, Algorithm, and Application Challenges
Exhibit Hall A

8:15-9:00am Continental Breakfast, Exhibit Halls A1-B
11:00-11:20am AM Coffee Break, Exhibit Halls A1-B
12:30-2:00pm Lunch, Exhibit Halls A1-B

Thursday Afternoon, June 18

Event	Room	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40							
CCC	B117-B119	<i>Subexponential size hitting sets for bounded depth multilinear formulas</i> Rafael Oliveira, Amir Shpilka, Ben Lee Volk			<i>Deterministic identity testing for sum of read-once oblivious arithmetic branching programs</i> Rohit Gurjar, Arpita Korwar, Nitin Saxena, Thomas Thierauf			<i>Kolmogorov width of discrete linear spaces: an approach to matrix rigidity</i> Alex Samorodnitsky, Ilya Shkredov, Sergey Yekhanin			COFFEE BREAK			<i>On the (non) NP-hardness of computing circuit complexity</i> Cody Murray, Ryan Williams			Circuits with medium fan-in Pavel Hrubes, Anup Rao			<i>Correlation bounds against monotone NC1</i> Benjamin Rossman											
EC	C123-C124	Session 7A: <i>Improved Efficiency Guarantees in Auctions with Budgets</i> Pinyan Lu, Tao Xiao <i>Truthful Mechanism Design via Correlated Tree Rounding</i> Yossi Azar, Martin Hoefer, Idan Maor, Rebecca Reiffen I, Berthold Voecking <i>Revenue Maximization and Ex-Post Budget Constraints</i> Costis Daskalakis, Nikhil Devanur, Matthew Weinberg <i>Strong Duality for a Multiple-Good Monopolist</i> Costis Daskalakis, Alan Deckelbaum, Christos Tzamos						COFFEE BREAK			ACM SIGecom Doctoral Dissertation Award talk			Session 8A: <i>At What Quality and What Price?: Eliciting Buyer Preferences as a Market Design Problem</i> John Horton, Ramesh Johari <i>Procurement Mechanisms for Differentiated Products</i> Daniela Saban, Gabriel Weintraub <i>Team Performance with Test Scores</i> Jon Kleinberg, Maithra Raghu																	
	C120-C122	Session 7B: <i>Customer Referral Incentives and Social Medias</i> Ilan Lobel, Evan Sadler, Lav Varshney <i>Estimating the causal impact of recommendation systems using observational data</i> Amit Sharma, Duncan Watts, Jake Hofman <i>Inducing Approximately Optimal Flow Using Truthful Mediators</i> Ryan Rogers, Aaron Roth, Jonathan Ullman, Zhiwei Steven Wu <i>The Burden of Risk Aversion in Mean-Risk Selfish Routing</i> Evdokia Nikolova, Nicolas Stier-Moses												Session 8B: <i>Mechanisms for Fair Attribution</i> Eric Balkanski, Yaron Singer <i>Sound Auction Specification and Implementation</i> Marco Caminati, Manfred Kerber, Christoph Lange, Colin Rowat <i>Bayesian Incentive-Compatible Bandit Explorations</i> Yishay Mansour, Aleksandrs Slivkins, Vasilis Syrgkanis																	
HPDC	B110-B112	<i>Achieving Performance Isolation with Lightweight Co-Kernels</i> Jiannan Ouyang, Brian Kocoloski, John (Jack) Lange, Kevin Pedretti			<i>Accelerating Irregular Computations with Hardware Transactional Memory and Active Messages</i> Maciej Besta, Torsten Hoefler			<i>Understanding Graph Computation Behavior to Enable Robust Benchmarking</i> Fan Yang, Andrew Chien			<i>Fast Iterative Graph Computation with Resource Aware Graph Parallel Abstractions</i> Yang Zhou, Ling Liu, Kisung Lee, Calton Pu, Qi Zhang			COFFEE BREAK			<i>Bidding for Highly Available Services with Low Price in Spot Instance Market</i> Weichao Guo, Kang Chen, Yongwei Wu, Weimin Zheng			<i>Planning and Optimization in TORQUE Resource Manager</i> Dalibor Klusacek, Vaclav Chlumsky, Hana Rudova			<i>Cutting the Cost of Hosting Online Services Using Cloud Spot Markets</i> Xin He, Prashant Shenoy, Ramesh Sitaraman, David Irwin			<i>Slurm++: a Distributed Workload Manager for Extreme-Scale High-Performance Computing Systems</i> Ke Wang, Xiaobing Zhou, Kan Qiao, Michael Lang, Benjamin McClelland, Ioan Raicu			<i>A Declarative Optimization Engine for Resource Provisioning of Scientific Workflows in IaaS Clouds</i> Amelie Chi ZHOU, Bingsheng He, Xuntao Cheng, Chiew Tong Lau		
LCTES	B113-B114	<i>Optimizing Transfers of Control in the Static Pipeline</i> Ryan Baird, Peter Gavin, Magnus Sjalander, David Whalley, Gang-Ryung Uh			<i>Improving the Precision of Abstract Interpretation Based Cache Persistence Analysis</i> Zhenkai Zhang, Xenofon Koutsoukos			<i>WCET-Aware Dynamic D-cache Locking for A Single Task</i> Wenguang Zheng, Hui Wu			COFFEE BREAK			<i>Semantics Driven Hardware Design, Implementation, and Verification with ReWire</i> Adam Procter, William Harrison, Ian Graves, Michela Becchi, Gerard Allwein			<i>Implementation-Aware Model Analysis: The Case of Buffer-Throughput Tradeoff in Streaming Applications</i> Kamyar Mirzazad Barijough, Matin Hashemi, Volodymyr Khibin, Soheil Ghiasi			<i>Secure and Durable (SEDURA): An Integrated Encryption and Wear-leveling Framework for PCM-based Main Memory</i> Chen Liu, Chengmo Yang											
METRICS	B115-B116	<i>Power of d Choices for Large-Scale Bin Packing: A Loss Model</i> Qiaomin Xie, Xiaobo Dong, Yi Lu, R. Srikant <i>Computable Bounds in Fork-Join Queueing Systems</i> Amr Rizk, Felix Poloczek, Florin Ciucu						<i>Reducing Latency via Redundant Requests: Exact Analysis</i> Kristen Gardner, Samuel Zbarsky, Sherwin Doroudi, Mor Harchol-Balter, Esa Hyttia, Alan Scheller-Wolf <i>Joint Cyber and Physical Attacks on Power Grids: Graph Theoretical Approaches for Information Recovery</i> Saleh Soltan, Mihalios Yannakakis, Gil Zussman			COFFEE BREAK			<i>Impact of Fairness and Heterogeneity on Delays in Large-scale Content Delivery Networks</i> Virag Shah, Gustavo de Veciana <i>Fisher Information-based Experiment Design for Network Tomography</i> Ting He, Chang Liu, Ananthram Swami, Don Towsley, Theodoros Salonidis, Andrei Iu. Bejan, Paul Yu						<i>When Virtual Meets Physical at the Edge: A Field Study on Datacenters' Virtual Traffic</i> Robert Birke, Mathias Bjoerkqvist, Cyriel Minkenberg, Martin Schmatz, Lydia Y. Chen <i>Hyper-Compact Virtual Estimators for Big Network Data Based on Register Sharing</i> Qingjun Xiao, Shigang Chen, Min Chen, Yibei Ling											
PADL	C125	<i>On Compiling Linear Logic Programs with Comprehensions, Aggregates and Rule Priorities</i> F. Cruz, R. Rocha			<i>CHR(Curry): Interpretation and Compilation of Constraint Handling Rules in Curry</i> M. Hanus			<i>On Logic Programming representations of lambda terms: de Brijn indices, compression, type inference, combinatorial generation, normalization</i> P. Tarau			COFFEE BREAK			<i>Reactive Single-Page Applications with Dynamic Dataflow</i> S. Fowler, L. Denuziere, A. Granicz			<i>Declaratively Solving Google Code Jam Problems with Picat</i> S. Dymchenko, M. Mykhailova														

Friday Morning, June 19

Event	Room	8:40	8:50	9:00	9:10	9:20	9:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50	11:00	11:10	11:20	11:30	11:40	12:00	12:10	12:20				
CCC	B117-B119			<i>Non-commutative formulas and Frege lower bounds: a new characterization of propositional proofs</i> Fu Li, Iddo Tzameret, Zhengyu Wang		<i>The space complexity of cutting planes refutations</i> Nicola Galesi, Pavel Pudlák, Neil Thapen		<i>Tight size-degree lower bounds for sums-of-squares proofs</i> Massimo Lauria, Jakob Nordström		<i>A generalized method for proving polynomial calculus degree lower bounds</i> Mladen Miksa, Jakob Nordstrom		COFFEE BREAK															
EC	C123-C124	Session 9A: <i>Integrating Market Makers, Limit Orders, and Continuous Trade in Prediction Markets</i> Hoda Heidari, Sébastien Lahaie, David Pennock, Jennifer Wortman Vaughan <i>Learning What's Going On: Reconstructing Preferences and Priorities from Opaque Transactions</i> Avrim Blum, Yishay Mansour, Morgenstern Jamie <i>Actively Purchasing Data for Learning</i> Jacob Abernethy, Yiling Chen, Chien-Ju Ho, Bo Waggoner						COFFEE BREAK						Session 10A: <i>The Wisdom of Multiple Guesses</i> Johan Ugander, Ryan Drapeau, Carlos Guestrin <i>Generalized Decision Scoring Rules: Statistical, Computational, and Axiomatic Properties</i> Lirong Xi <i>Behavioral Mechanism Design: Optimal Crowdsourcing Contracts and Prospect Theory</i> David Easley, Arpita Ghosh													
	C120-C122	Session 9B: <i>The Impact of the Sharing Economy on the Hotel Industry: Evidence from Airbnb's Entry in Texas</i> Georgios Zervas, Proserpio Davide, John W. Byers <i>A Ride Whenever you Need One: The Value of Dynamic Pricing in Ride-sharing Platforms</i> Siddhartha Banerjee, Ramesh Johari, Carlos Riquelme <i>Bias and Reciprocity in Online Reviews: Evidence From Field Experiments on Airbnb</i> Andrey Fradkin, Elena Grewal, David Holtz, Matthew Pearson												Session 10B: <i>Pareto Optimal Dynamic Fair Division with Minimal Disruptions</i> Eric Friedman, Christos-Alexandros Psomas, Shai Vardi <i>Truthful Online Scheduling with Commitments</i> Jonathan Yaniv, Brendan Lucier, Ishai Menache, Yossi Azar, Joseph (Seffi) Naor, Inna Kalp-Shaltiel <i>Markets with Production: A Polynomial Time Algorithm and a Reduction to Pure Exchange</i> Jugal Garg, Ravi Kannan													
HPDC	B110-B112	<i>HeteroDoop: A MapReduce Programming System for Accelerator Clusters</i> Amit Sabne, Putt Sakdhnagool, Rudolf Eigenmann		<i>Monte Carlo Based Ray Tracing in CPU-GPU Heterogeneous Systems and Applications in Radiation Therapy</i> Kai Xiao, Danny Z. Chen, X. Sharon Hu, Bo Zhou		<i>Automated GPU Kernel Transformations in Large-Scale Production Stencil Applications</i> Mohamed Wahib, Naoya Maruyama		<i>Selective Reliability and Preconditioned Iterative Linear Solvers</i> James Elliott, Mark Hoemmen, Frank Mueller		<i>Lightweight Silent Data Corruption Detection Based on Runtime Data Analysis for HPC Applications</i> Eduardo Berrocal, Leonardo Bautista-Gomez, Sheng Di, Zhiling Lan, Franck Cappello		<i>Failure Masking and Local Recovery for Stencil-based Applications at Extreme Scales</i> Marc Gamell, Keita Teranishi, Michael A. Heroux, Jackson Mayo, Hemanth Kolla, Jacqueline Chen, Manish Parashar		Awards and Closing Remarks		COFFEE BREAK		FCRC Plenary Speaker: Balaji Prabhakar A Big Data System for the Internet of Moving Things Exhibit Hall A									
LCTES	B113-B114	<i>OCCAM: Open Curation for Computer Architecture Modeling</i> Bruce Childers		<i>Benchmarking processors - Science or Art?</i> Shay Gal-on		<i>Lessons from Benchmarking and Optimizing Android</i> Tim Murray		<i>Datamil: Rigorous Single-computer Performance Evaluation Made Easy</i> Sebastian Fischmeister		COFFEE BREAK																	
PADL	C125	Invited Speaker		<i>A Haskell Implementation of a Rule-Based Program Transformation for C Programs</i> S. Tamarit, G. Viguera, M. Carro, J. Marino		<i>State Space Planning Using Transaction Logic</i> R. Basseda		<i>Implementation and Performance of Probabilistic Inference Pipelines</i> D. Shterlonov and G. Janssens		COFFEE BREAK																	
METRICS	A103-A104	Tutorial: <i>Bandit Optimization: Theory and Applications</i>																									

8:15-9:00am Continental Breakfast, Exhibit Halls A1-B
 11:00-11:20am AM Coffee Break, Exhibit Halls A1-B
 12:30-2:00pm Lunch, Exhibit Halls A1-B

Friday Afternoon, June 19

Event	Room	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30		
CCC	B117-B119	<i>Generalized quantum Arthur-Merlin games</i> Hirotada Kobayashi, François Le Gall, Harumichi Nishimura			<i>Parallel repetition for entangled k-player games via fast quantum search</i> Kai-Min Chung, Xiaodi Wu, Henry Yuen			<i>Upper bounds on quantum query complexity inspired by the Elitzur-Vaidman bomb tester</i> Cedric Yen-Yu Lin, Han-Hsuan Lin			COFFEE BREAK			<i>A polylogarithmic PRG for degree 2 threshold functions in the Gaussian setting</i> Daniel Kane			<i>Incompressible functions, relative-error extractors, and the power of nondeterministic reductions</i> Benny Applebaum, Sergei Artemenko, Ronen Shaltiel, Guang Yang			<i>On randomness extraction in AC0</i> Oded Goldreich, Emanuele Viola, Avi Wigderson					
EC	C123-C124	Session 11A: <i>Short Lists in Centralized Clearinghouses</i> Nick Arnosti <i>Redesigning the Israeli Medical Internship Match</i> Slava Bronfman, Noga Alon, Avinatan Hassidim, Assaf Romm <i>Assigning more students to their top choices: A tiebreaking rule comparison</i> Afshin Nikzad, Itai Ashlagi, Assaf Romm						COFFEE BREAK						Session 12A: <i>Combining Traditional Marketing and Viral Marketing with Amphibious Influence Maximization</i> Wei Chen, Fu Li, Tian Lin, Aviad Rubinfeld <i>Approximability and Incentives in Adaptive Seeding</i> Aviad Rubinfeld, Lior Seeman, Yaron Singer						ACM SIGecom Test of Time Award Talk Eric J. Friedman, Paul Resnick					
	C120-C122	Session 11B: <i>Reverse Mechanism Design</i> Nima Haghpanah, Jason Hartline <i>Price Competition, Fluctuations and Welfare Guarantees</i> Moshe Babaioff, Renato Paes Leme, Balasubramanian Sivan <i>Robust Dynamic Pricing With Strategic Customers</i> Yiwei Chen, Vivek Farias												Session 12B: <i>Finding Any Nontrivial Coarse Correlated Equilibrium Is Hard</i> Siddharth Barman, Katrina Ligett <i>Faster First-Order Methods for Extensive-Form Game Solving</i> Christian Kroer, Kevin Waugh, Fatma Kiliç-Karzan, Tuomas Sandholm											
LCTES	B113-B114	<i>A Practical Getaway: Optimizations for Escape Analysis in Embedded Real-Time Systems</i> Isabella Stilkerich, Clemens Lang, Christoph Erhardt, Michael Stilkerich			<i>Cross-Kernel Control-Flow-Graph Analysis for Event-Driven Real-Time Systems</i> Christian Dietrich, Martin Hoffmann, Daniel Lohmann			<i>Free Rider: A Tool for Retargeting Platform-Specific Intrinsic Functions</i> Stanislav Manilov, Björn Franke, Anthony Magrath, Cedric Andrieu			COFFEE BREAK			<i>TrilobiteG: A programming architecture for autonomous underwater vehicles</i> Hans Christian Woithe, Ulrich Kremer			<i>StarL: Towards a Unified Framework for Programming, Simulating and Verifying Distributed Robotic Systems</i> Yixiao Lin, Sayan Mitra			Closing					
METRICS	A103-A104	(from 1:45pm) Tutorial: <i>Social Search and Social Recommendations</i>												Tutorial: <i>Learning with Strategic Agents: From Adversarial Learning to Game-Theoretic Statistics</i>											