11 Orbe: Scalable Causal Consistency Using Dependency Matrices and Physical Clocks
Jiaqing Du (EPFL), Sameh Einkeyte (Microsoft Research), and Amitabh Roy and Willy Zwaenepoel (EPFL)

12 Leveraging Sharding in the Design of Scalable Replication Protocols
Hussam Abu-Libdeh and Robbert van Renesse (Cornell University) and Ymir Vigfusson (Reykjavik University)

13 Understanding and Mitigating the Impact of Load Imbalance in the Memory Caching Tier
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14 Limplock: Understanding the Impact of Limpware on Scale-Out Cloud Systems
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15 When the Network Crumbles: An Empirical Study of Cloud Network Failures and their Impact on Services
Rahul Patkaraju (Purdue University) and Naveen Jind (Microsoft)

16 vTube: Efficient Streaming of Virtual Appliances Over Last-Mile Networks
Yoshishis Abe (Carnegie Mellon University), Roxana Geambasu (Columbia University), Kaustubh Joshi (AT&T Research), H. Andres Lagar-Cavilla (GridCentric), and Mahadev Satyanarayanan (Carnegie Mellon University)

17 Scalable Lineage Capture for Debugging DISC Analytics
Dionysios Logothetis (Telefonics, H-D), Vicky Papavasileiou (U.C. San Diego), Zhaomo Yang (U.C. San Diego), and Kenneth Yocom (U.C. San Diego and Illumina, Inc.)

18 Memory-Efficient GroupBy-Aggregate using Compressed Buffer Trees
Hrishikesh Amur (Georgia Tech.), Wolfgang Richter and David G. Andersen (Carnegie Mellon University), Michael Kaminsky (Intel Labs), Karsten Schwan (Georgia Tech.), and Athula Balachandran and Erik Zawadzki (Carnegie Mellon University)

19 Memory Footprint Matters: Efficient Equi-Join Algorithms for Main Memory Data Processing
Spyros Blanas and Jignesh M. Patel (University of Wisconsin-Madison)

20 Scale-up vs Scale-out for Hadoop: Time to rethink?
Raja Appuswamy (Vrije Universiteit) and Christos Gkantsidis, Dushyant Narayanan, Orin Hodson, and Antony Rowstron (Microsoft Research)

21 EventWave: Programming Model and Runtime Support for tightly-Coupled Elastic Cloud Applications
Wei-Chiu Chuang (Department of Computer Science, Purdue University), Bo Sang, Sungwhan Yoo, and Rui Gu (Department of Computer Science Purdue University), Charles Killian (Google), and Milind Kulkarni (School of Electrical and Computer Engineering, Purdue University)

22 Tolerating Business Failures in Hosted Applications
Jean-Sebastien Legare, Dutch T. Meyer, Mark Spear, Alexandru Totolic, Sara Bainbridge, Kylan MacRow, Robert Sumi, Quinlan Jung, Dennis Tjandra, David Williams-Xing, William Aiello, and Andrew Warfield (University of British Columbia)

23 Consistency Without Borders
Peter Alvaro, Peter Bailis, Neil Conway, and Joseph M. Hellerstein (UC Berkeley)

24 High Performance Clustering of Social Images in a Map-Collective Programming Model
Bingbing Zhang (Indiana University); Judy Qiu (Indiana University)

25 Does RDMA-based Enhanced Hadoop MapReduce Need a New Performance Model?
Md. Wasi-ur-Rahman; Xiaoyi Lu; Nusrat Shamin Islam; Dhabaleswar K. (DK) Panda (The Ohio State University)

26 Syndicate: Democratizing Cloud Storage and Caching through Service Composition
Jude Nelson (Princeton University); Larry Peterson (Princeton University)

27 Coloring the Cloud for Predictable Performance
Alberto Sciorali, Filippo Sironi, Davide B. Bartolini, Donatella Sciuto, and Marco D. Santambrogio (Politecnico di Milano)

28 Decentralized Privacy Protection Strategies for Location-based Services
Chih-Chun Chen (National Chung Cheng University); Yu-Ling Hsu (National Chung Cheng University)

29 Recommending Just Enough Memory for Analytics
Charles Reiss (UC Berkeley); Randy H. Katz (UC Berkeley)

30 Process-Oriented Recovery for Operations on Cloud Applications
Min Fu; Liming Zhu; Anna Liu; Kuwei Xu; Len Bass (University of New South Wales, NICTA)

31 CloudSSI: Revisiting SSI in cloud era
Mansoor Alcherry (Vizury Interactive); Ashok Anand (Instant Logic); Shoban Preeth Chandrabose (University of Wisconsin); Theophilus Benson (Duke University)

32 Firewall Placement in Cloud Data Centers
Seungjoon Lee (AT&T Labs - Research), Manish Purhott (University of Maryland), and Barna Saha (AT&T Labs - Research)

33 Harmony: Coordinating Network, Compute, and Storage in Software-Defined Clouds
Robert Grandl (University of Wisconsin, Madison); Yizheng Chen (VMWare); Junaid Khalid (University of Wisconsin, Madison); Sull Yang (University of Wisconsin, Madison); Ashok Anand (Instant Logic); Theophilus Benson (Duke University); Aditya Akella (University of Wisconsin, Madison)

34 Pregelix: Dataflow-Based Big Graph Analytics
Yingyi Bu (University of California, Irvine)

35 Wide-area Streaming Analytics: Distributing the Data Cube
Benjamin Heintz (University of Minnesota); Abhishek Chandra (University of Minnesota); Ramesh K. Sitaraman (University of Massachusetts)

36 High Performance In-memory Caching through Flexible Fine-grained Services
Yue Cheng (Virginia Tech), Aayush Gupta (IBM Almaden Research Center); Anna Povzner (IBM Almaden Research Center); Ali R. Butt (Virginia Tech)

37 Compiling Machine Learning Algorithms with SystemML
Matthias Boehm; Douglas Burdick; Alexandre Esvifimievs; Berthold Reinwald; Prithviraj Sen; Shirish Tatikonda; Yuanyuan Tian (IBM Research - Almaden)

38 SuperCloud: Economical Cloud Service on Multiple Vendors
Qin Jia; Robhert Van Renesse; Hakim Weatherspoon (Cornell University)

39 Dynamic Performance Profiling of Cloud Caches
Hjortur Bjornsson (University of Iceland), Gregory Chockler (University of London, Royal Holloway), and Trausti Saemundsson and Ymir Vigfusson (Reykjavik University)

40 DEDIS: Distributed Exact Deduplication for Primary Storage Infrastructures
João Paulo, José Pereira (INESC TEC & Universidade do Minho)
Wednesday, October 2nd at the Locatelli Center