Integrity
Mode
Management
Mechanism
Physical
Distributed
Real-Time
Process
Resources
Model
Smartphone
Computational
Flash
Block
Analysis
Endurance
KV
DRAM
GPU
Performance
Databases
Server
Data
Design
STT-Ram
Technology
Patterns
Migration
User-Spac
Architectures
TCO
Program
OLAP
Conductor
Failure
Change
Reducing
Trace
Beacontide
Devices
Node
Types
Pub/Sub
Heterogeneous
Storage
Information
Hardware
Caching
Hippogriff
Software
Non-Volatile
Scheme
Evaluate
Parallel
Cloud
Algorithms
Real-World
SSD
Energy
Disk
IO
Systor2016
Memory
Semiconductor
State
Adoption
Usage
Improves
Networks
Systems
NVM
Operating
Hash
Engineering
Accuracy
Outsourcing
Replication
Query
Requests
Amplification
Service
Delay
Access
Latency
Analytical
Research
Computing
Hybrid
Da
Jobs
KV
Security
Technologies
Virtual
Processing
Transactional
Cow-Persist Change
Privacy
Cache

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Welcome to

The 9th ACM International Systems and Storage Conference

June 6 – 8, 2016

Announcing SYSTOR 2017

Systor2016
June 6 – 8   Haifa, Israel

SYSTOR 2017

The 10th ACM International Systems and Storage Conference

May 22 – 24
IBM Haifa site auditorium

SYSTOR 2017 Chairs

- Dates:
  – May 22-24 2017
- Program Chairs:
  – Peter Desnoyers, College of Computer and Information Science, Northeastern University
  – Eyal de Lara, Dept. of Computer Science, University of Toronto
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Please register
and
pick up your

~~boarding pass~~ badge

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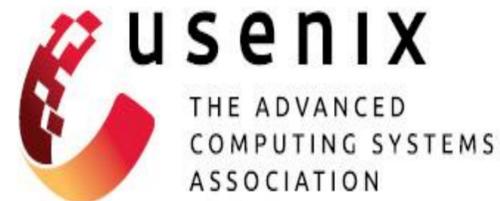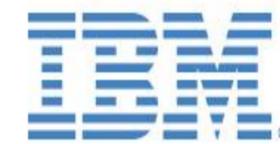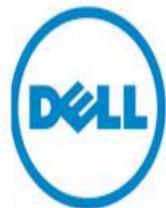
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also, a Beer Chair ☺

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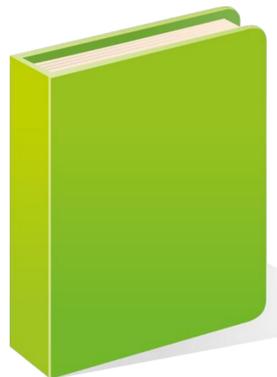
Proceedings will soon be available in the ACM DL DIGITAL LIBRARY

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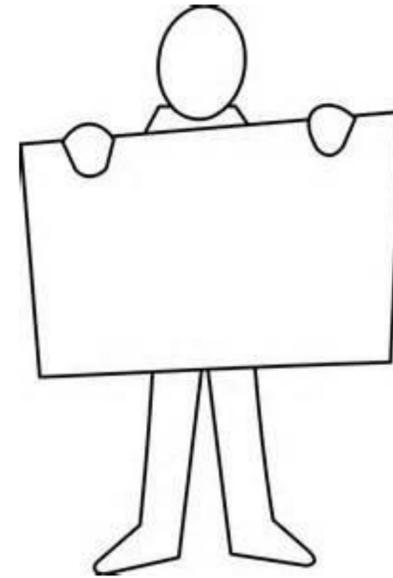
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Poster Session

"Best Poster" Award

Please vote now!

The posters are assigned
numbers for the sake of voting.

Poster number

http://www.systor.org/2016/poster.html

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Local Organization Chair

Eti Jahr

IBM Research – Haifa

Communications Team

- Chani Sacharen

- Yair Harry

- Tamar Dekel

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Geography

75% of the registrations are from Israel

Academia vs Industry

40% of the registrations are from academia

please fill in our survey ☺
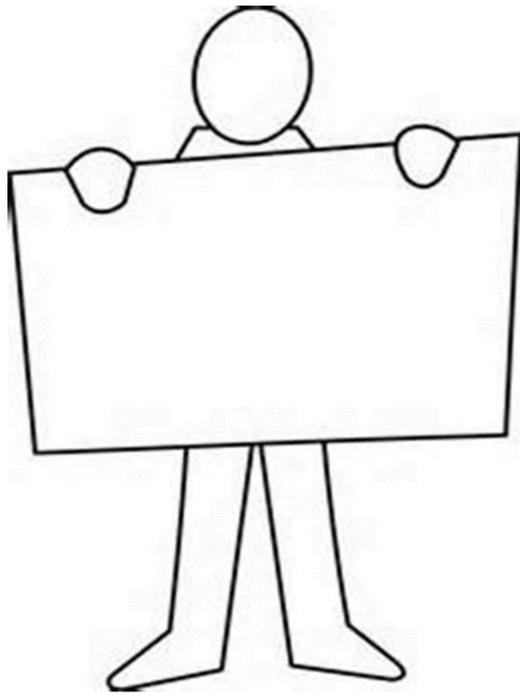
Welcome the Program Chairs

Program chairs:

Mark Silberstein (Technion)

Emmett Witchel (UT Austin)

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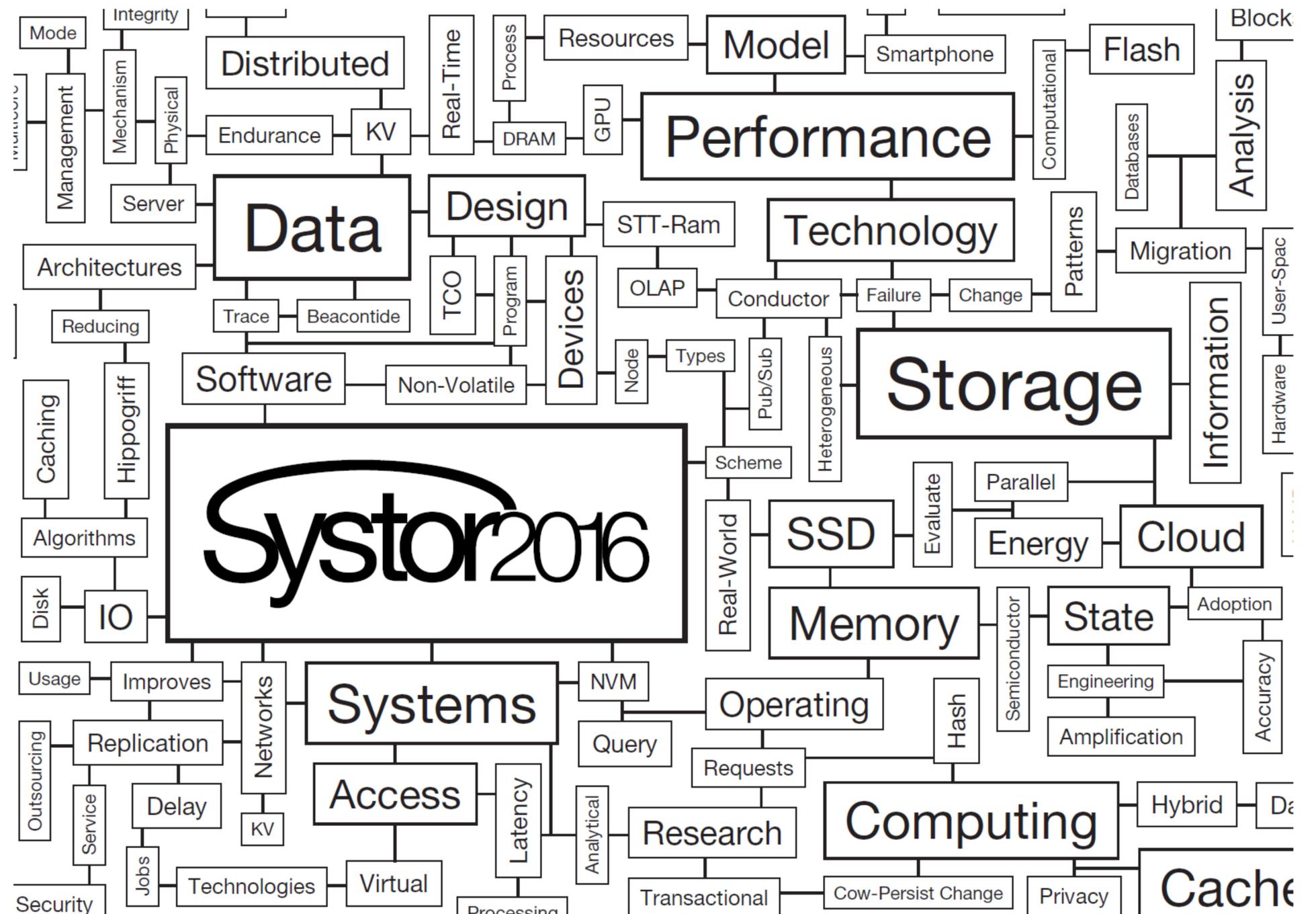
PC chairs:

Mark Silberstein (Technion)

Emmett Witchel (UT Austin)

Vikram S. Adve (University of Illinois at Urbana-Champaign)

Mahesh Balakrishnan (Yale University)

Stephen Bates (PMC-Sierra)

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Frank Dabek (Google)

Peter Druschel (MPI)

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Andreas Haeberlen (University of Pennsylvania)

Dean Hildebrand (IBM Research)

Hank Hoffmann (University of Chicago)

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Alex Kogan (Oracle)

Michael Kaminsky (Intel Labs)

Manos Kapritsos (Microsoft Research)

Taesoo Kim (Georgia Tech)

Gabriel Kliot (Google)

Rama Kotla (Amazon)

Scott Mahlke (University of Michigan)

Changwoo Min (Georgia Tech)

Dmitri Perelman (Facebook)

Donald E. Porter (Stony Brook University)

Robbert Van Rennesse (Cornell University)

Christopher J. Rossbach (VMware Research)

Larry Rudolph (Two Sigma Investments)

Michael Schapira (Hebrew University of Jerusalem)

Bianca Schroeder (University of Toronto)

Xi Wang (University of Washington)

Yang Wang (Ohio State University)

Hakim Weatherspoon (Cornell University)

Yaron Weinsberg (IBM Research)

David Wolinsky (Facebook) Rama Kotla (Amazon)

Review process

- Submitted 43 Full, 6 Short papers

- 35 PC members, 193 reviews

- Most papers received 4 reviews, all received at least 3, and at least one with high expertise

- Additional expert reviews were solicited to make the final decision

- Consensus was achieved for each paper though 4 days of online discussion

- Accepted 14 Full, 2 Short papers accepted (32%)

Accepted papers statistics

Geography

75% of Accepted papers from outside of Israel

Academia vs Industry

Accepted papers 87% academia

The PC has selected

The 2016 Best Paper

and

Two 2016 Best Student Papers

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Best paper award

Health-Binning: Maximizing the Performance and the Endurance of Consumer-Level NAND Flash

Roman Pletka and Saša Tomić
IBM Research – Zurich

SSD Failures in Datacenters: What? When? And Why?

Iyswarya Narayanan (Pennsylvania State University)**, Di Wang, Myeongjae Jeon, Bikash Sharma, Laura Caulfield** (Microsoft)**, Anand Sivasubramaniam** (Pennsylvania State University), **Ben Cutler, Jie Liu, Badriddine Khessib, and Kushagra Vaid** (Microsoft)

Enabling Space Elasticity in Storage Systems

Helgi Sigurbjarnarson (University of Washington),
Petur O. Ragnarsson (Reykjavik University),
Juncheng Yang (Emory University),
Ymir Vigfusson (Emory University, Reykjavik University),
and Mahesh Balakrishnan (Yale University)

Best Poster

- Best poster will be selected at the poster session

- Based on your votes

- The voting page is inside your conference folder

Monday June 6, 2016

A Taxonomy of Non-Success

Eddie Kohler (Harvard)

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Tuesday June 07, 2016

Collective Authorities: Securely Decentralizing Trust at Scale

Bryan Ford (EPFL)

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Wednesday June 08, 2016

Safeguarding Users' Sensitive Data in the Cloud and the Browser

Brad Karp (University College London)

To put your phones on silence!