Call for Papers: **SYSTOR 2009 — The Israeli Experimental Systems Conference**

4–6 May 2009　　　　http://www.haifa.il.ibm.com/conferences/systor2009/　　　　IBM Haifa Labs

Advisory Committee
Marc Auslander, IBM
Ken Birman, Cornell
Danny Dolev, HUJI
Julian Satran, IBM
Marc Snir, UIUC
Willy Zwaenepoel, EPFL

Program Chairs
Michael Factor, IBM
Dror Feitelson, HUJI

General Chair
Miriam Allalouf, IBM
(miriama@il.ibm.com)

Publicity Chair
Muli Ben Yehuda, IBM
(muli@il.ibm.com)

Publication Chair
Gregory Chockler, IBM

Website Chair
Avital Tuviana, IBM

Industrial Publicity Chair
Gilad Sharaby, IBM

Program Committee
Miriam Allalouf, IBM
Roberto Baldoni, Univ. of Rome
Muli Ben-Yehuda, IBM
Tsahi Birk, Technion
Gregory Chockler, IBM
Dilma Da Silva, IBM
Shlomi Dolev, Ben-Gurion Univ.
David Du, NSF
Greg Ganger, CMU
Sami Iren, Seagate
Nikolai Joukov, IBM
Idit Keidar, Technion
Israel Koren, UMASS
Jeanna Matthews,–
— Clarkson Univ./VMware
Avi Mendelson, Intel
Ethan Miller, UCSC
David Nagle, Google
Erich Nahum, IBM
Danny Raz, Technion
Scott Rixner, Rice University
Larry Rudolph, VMware
Liuba Shrira, Brandeis
Neeraj Suri, TUD
Sivan Toledo, Tel-Aviv Univ.
Dan Tsafrir, IBM
Erez Zadok, Stony Brook

Organizing Committee
Eliezer Dekel, IBM
Dalit Naor, IBM
Uri Silbershtein, IBM
Shmuel Vashdi, IBM
Yaron Wolfsthal, IBM

IBM Haifa Research Lab and IBM Systems and Technology Group Lab, in collaboration with Israeli academia, are organizing SYSTOR 2009, a successor to the highly successful workshops on systems and storage held at the IBM Haifa Research Lab. The goal of the conference is to promote systems research and to foster stronger ties between the Israeli and worldwide systems research communities and industry.

SYSTOR 2009 will be a three-day conference combining academic and industrial sessions. Each day will include a keynote by a well-known international researcher on one of the conference topics. In addition, we are planning special activities for graduate students.

The **keynotes** currently scheduled for SYSTOR 2009 are:

- Marc Snir, University of Illinois at Urbana Champaign
- Moshe Yanai, IBM

Submissions of a practical and experimental nature are solicited for the academic and industrial sessions. The conference is open to all systems research topics, including (but not limited to):

- General computer systems issues in operating systems, architecture, memory hierarchy, compilation, and embedded systems
- Distributed systems such as peer-to-peer systems, sensor networks, and overlays, fault-tolerance, and resource allocation
- Storage systems issues related to long term preservation, archival storage, internet-scale storage, and replication and consistency
- Cross-cutting issues such as workload modeling, performance metrics, power consumption, security, usability, and experience with real systems and failures

In particular, we would like to emphasize the following themes:

- Virtualization infrastructure and virtualization-aware system design
- Multi-core architectures and the operating system facilities and programming environments that use them
- Power consumption and management
- Managing the explosive growth in storage and the increasing need to store, find and manage data for long periods

For the academic track, papers should report original research; if part of the material submitted was published previously, the paper should so indicate and should provide substantial additional results and material. **For the industrial track**, we are looking for technical presentations that describe the technology behind real products and the considerations that shaped the product's design and functionality.

Submissions

Paper submissions should be up to 14 pages in 11 pt font, in pdf format. To submit, please use the conference submission website. Submitted papers will be reviewed by the program committee. Proceedings including all accepted papers will be published by ACM in the ACM Digital Library.

For the industrial track, it is acceptable to submit a short proposal for a presentation in lieu of a full paper as described above. Please include sufficient detail to exhibit the technical merit of the proposed presentation. We encourage accepted industrial presentations to also write a paper for the proceedings, but this is not compulsory.

Important Dates	
Submission:	January 31, 2009 **(extended)**
Notification:	March 20, 2009
Final Version:	April 10, 2009

Student Activities

As part of the conference, students will have the opportunity to interact with senior researchers and obtain feedback regarding their research. To promote such interactions, we will have a poster session where students present their work. We will also have a lunch where members of the program committee and IBM researchers will be matched with students for more intensive interaction.

Venue and Social Event

The conference will be held in the lovely city of Haifa, which overlooks the Mediterranean Sea, and is home to Jews, Muslims, and Christians. Haifa is also the world center of the Baha'i faith. A trip will be organized to the wondrous Baha'i gardens and to areas in the city of Jerusalem.

Organized by IBM Haifa Labs