

ASPLOS 2014

Salt Lake City, UT, March 1 - 5

<http://www.cs.utah.edu/asplos14/>



19th International Conference on Architectural Support for Programming Languages and Operating Systems

Abstracts	July 17, 2013 (5pm EDT, no extensions)
Full Paper Submissions	July 24, 2013 (5pm EDT, no extensions)
Author Response Period	Oct 7-11, 2013
Notification	Nov 8, 2013

Accepted papers will be available in the ACM Digital Library up to two weeks prior to the conference.

General Co-Chairs Rajeev Balasubramonian and Al Davis, University of Utah
Program Chair Sarita Adve, University of Illinois at Urbana-Champaign

ASPLOS is the premier forum for multidisciplinary systems research spanning computer architecture and hardware, programming languages and compilers, operating systems and networking, as well as applications and user interfaces. The research may target diverse goals such as performance, energy and thermal efficiency, resiliency, security, and sustainability. The importance of such cross-cutting research continues to grow as we grapple with the end of Dennard scaling, the explosion of big data, scales ranging from ultra-low power wearable devices to exascale parallel and cloud computers, the need for sustainability, and increasingly human-centered applications. ASPLOS embraces systems research that directly targets these new problems in new ways.

ASPLOS 2014 invites papers on ground-breaking research on current and future computer systems. Submissions should emphasize synergy of at least two ASPLOS disciplines: architecture, programming languages, operating systems, and related areas. Non-traditional topics are especially encouraged. The review process will be sensitive to the challenges of multidisciplinary work in emerging areas.

Areas of interest include, but are not limited to:

- emerging platforms at all scales; e.g., networks of embedded devices, multicore client devices, and cloud systems
- applications and systems that address social, educational, and environmental challenges
- programming and compilation for existing and emerging platforms
- managing, storing, and computing on big data
- virtualization, memory, and storage technologies and architectures
- power, energy, and thermal management
- security, reliability, and availability
- verification and testing
- heterogeneous architectures and accelerators
- new computing models

Submission instructions: <http://www.cs.utah.edu/asplos14/submission.html>

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