



The 2015 IEEE International Conference on
Application-Specific Architectures, Systems, and Processors (ASAP)
July 27-29, 2015, Toronto, Canada
www.eecg.toronto.edu/asap2015

The 26th IEEE International Conference on Application-specific Systems, Architectures and Processors 2015 (ASAP 2015) takes place July 27-29, 2015 at the University of Toronto in Toronto, Canada. The conference will cover the theory and practice of application-specific systems, architectures and processors. The 2015 conference will build upon traditional strengths in areas such as computer arithmetic, cryptography, compression, signal and image processing, network processing, reconfigurable computing, application-specific instruction-set processors, and hardware accelerators. We especially encourage submissions in the following areas:

- Big data analytics: extracting and correlating information from large-scale semi-structured and unstructured data using application-specific systems.
- Scientific computing: architectures and algorithms that address applications requiring significant computing power and customization (bioinformatics, climate modeling, astrophysics, seismology, etc.).
- Industrial computing: systems and architectures for providing high-throughput or low latency in various industrial-computing applications.
- System security: cryptographic hardware architectures, security processors, countermeasures against side-channel attacks, and secure cloud computing.
- Heterogeneous systems: applications and platforms that exploit heterogeneous computing resources, including FPGAs, GPUs, or CGRAs.
- Design space exploration: methods for customizing and tuning application-specific architectures to improve efficiency and productivity.
- Platform-specific architectures: novel architectures for exploiting specific compute domains, such as smartphones, tablets, and data centers, particularly in the context of energy efficiency.

Guidelines for Submissions:

ASAP 2015 will accept 8-page full papers for oral presentations, 4-page short papers for short oral or poster presentations, with a single-blind review process.

Submissions to ASAP 2015 must use the double-column IEEE conference proceedings format. The only accepted file format is PDF. An online submission page will be made available on the ASAP 2015 website and will include detailed guidelines and links to formatting templates.

Organizing Committee:

General Chair:
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Important Dates:

Abstract Submission:
~~February 27~~, March 9, 2015

Paper Due:
~~March 6~~, March 16, 2015

Notification:
May 15, 2015

Conference:
July 27-29, 2015

Sponsors:

