ASPLOS XX

Twentieth International Conference on Architectural Support for Programming Languages and Operating Systems

March 14–18, 2015
Istanbul, Turkey

Sponsored by:

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ASPLOS 2015 General Chairs' Welcome

On behalf of the ASPLOS organizing committee, we are very pleased to welcome you to Istanbul, Turkey, for the 20th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS-XX) on March 14-18, 2015. Istanbul is a jewel of a city, with its unique historical accumulation and splendid natural beauty, blended into a modern metropolis. Each civilization that has made Istanbul its home has left its mark in sublime and splendid ways, and the result is a city that gives one the feeling of universal history at every step from the Roman era to the Byzantine and Ottoman eras.

Visitors will enjoy a wide variety of activities in a city where two continents meet on the blue waters of the Bosphorus to offer an abundance of unique natural, historical, cultural, and culinary experiences. Many of the historical sites including the Blue Mosque, Hagia (St.) Sophia, Hippodrome, Grand Covered Bazaar, Obelisk of Theodosius, Serpentine Column, The Maiden's Tower, Galata, and Basilica Cistern will be explored as part of our social activity. The conference banquet will be held at the Bosphorus, where we will enjoy a view of many historic places in Asia and Europe simultaneously.

ASPLOS has been the best place to share and exchange innovative ideas regarding integrative research comprising computer architecture, programming languages, and operating systems. This year is no different thanks to the organizing committee, reviewers, contributing authors, and particularly the program committee and the chair, Sandhya Dwarkadas. She and the program committee did a great job in selecting an extremely interesting program. Several exciting workshops and tutorials will also be part of the conference. This year, we created a new ASPLOS-ACM Student Research Competition (SRC) sponsored by ACM and Microsoft Research. ASPLOS-ACM SRC is a forum for undergraduates and graduate students to share their research results, exchange ideas, and improve their communication skills while competing for prizes. We would like to thank all members of the organizing committee and steering committee as well as the technical program committee and the external reviewers.

We would also like to thank the corporate supporters of ASPLOS who have provided generous financial support: VMware and Intel – our primary supporter this year, Google, ARM, Oracle, Microsoft Research, Facebook, IBM Research, and HP Labs. Our thanks also go to ACM SIGARCH, ACM SIGOPS, ACM SIGPLAN, and the National Science Foundation for providing funding for the student grants.

We hope you find the program exciting as we have a packed program with 48 technical papers, lightning and poster sessions, a banquet, business meeting, two keynotes, a WACI session, and potentially a debate/panel. We hope this provides a stimulating platform and you enjoy staying in Istanbul.

Let us meet where continents meet!

Ozcan Ozturk
ASPLOS 2015 General co-Chair
Bilkent University

Kemal Ebcioglu
ASPLOS 2015 General co-Chair
Global Supercomputing