

Foreword

Dear Colleagues,

Welcome to the Proceedings of the 25th ACM Symposium on Operating Systems Principles (SOSP 2015), held at the Portola Hotel & Spa, Monterey, California, USA. This year's program includes 30 wonderful papers which cover topics ranging from high performance transaction processing systems to formal specification for practical implementations, from techniques for energy-aware systems to experiences with globally distributed software in the wild, from bug finding to big data. The program committee worked hard to select some of the most creative and interesting ideas in computer systems research today, and each accepted paper was lovingly shepherded by a program committee member to make sure the papers are as readable and complete as possible. We hope you will enjoy the program as much as we did in selecting it.

This “silver anniversary” edition of SOSP is being held along with an exciting collection of workshops. Of particular interest is a special History Day event which will feature talks from luminaries in the field including Jack Dennis, Peter Denning, Butler Lampson, Barbara Liskov, M. Satyanarayanan (Satya), Ken Birman, Andrew Herbert, Andrew Birrell, Dave Clark, Frans Kaashoek and Jeff Dean. We hope to make video recordings available online for posterity. Furthermore, we are pleased to report that this year's conference will continue the Open Access policy that debuted in 2013: all papers will be hosted on the ACM digital library, and available for viewing or download via a SIGOPS-provided link. Our thanks to the SIGOPS organizers and the community for setting this new standard.

This year we received a record-breaking 181 paper submissions which went forward for review in multiple rounds. The expert program committee was divided into 16 “heavy” and 14 “light” PC members, and in the first round we arranged for every paper to receive three reviews from PC members; approximately 50% of papers went through for a second round of PC reviewing, with a few additional expert reviews being contributed. Following this we had a short 3rd round of reviewing involving heavy PC members only. All in all, we produced 824 reviews, just 11 of which were from external experts. In addition to reviewing, we had a vibrant online discussion involving the entire PC which led to us selecting 78 papers to be discussed in person. The heavy PC members convened at a meeting hosted at Google in Mountain View, CA, where we selected 30 papers. All discussed papers received a description of the PC discussion. Throughout the process, author anonymity was maintained and conflicts of interest precluded; PC chair conflicts were dealt with in a parallel process run by Eddie Kohler. We hope that all authors found the reviews and discussion summaries helpful.

As always we are extremely thankful for our generous corporate sponsors. Their donations make it possible to host SOSOP in an environment that is conducive to collegial interaction. This year they have provided funds which have enabled us to award full or partial travel grants to over 100 students from a wide range of countries and institutions.

SOSOP is a great conference mostly because it attracts so many high-quality submissions, and we would like to again thank *every* author for choosing to submit to SOSOP this year. We also thank the PC members for the tremendous amount of work they did: reviewing the submissions, providing feedback, and shepherding the accepted submissions. We are grateful to the external reviewers who provided an additional perspective on a few papers. SOSOP has always been organized by volunteer efforts from a host of people; we would like to thank all the following people who have dedicated so much of their time to the conference: Jacob Lorch (Treasurer), Kevin Greenan (local arrangements), Edouard Bugnion (sponsorships), Nitin Agrawal (scholarships), Joel and Shayna Frank (publicity), Peter Desnoyers (workshops), Daniel Peek (posters) and Andrew Birrell (publications).

We hope that you will find the program interesting and inspiring, and trust that the symposium will provide you with a valuable opportunity to network and share ideas with researchers and practitioners from institutions around the world.

Ethan Miller
General Chair

Steven Hand
Program Chair