

Message from the Program Co-Chairs

Welcome to the 2013 International Conference on Autonomic Computing! This year marks the 10th anniversary of ICAC since its inception in 2004. As it has for the past decade, ICAC continues to receive a great deal of interest from researchers and practitioners in the international community. In summary, we received a total of 90 submissions, a 34% increase over the submissions from last year. The increased submission was partly due to the effort to expand the scope of the conference by the addition of two special tracks, Management of Big Data Systems and Self-Aware Internet of Things, which together attracted 17 submissions. Authors were from both academic and industrial institutions in about a dozen countries spread over four continents.

We had a great program committee: a total of 47 members, 31 from academia and 16 from industry. PC members were allowed to submit papers, and there were no submissions from the two PC co-chairs. The committee worked dilligently in the review process, which consisted of three phases. Phase 1: Each PC member was assigned 7–8 reviews, generating a total of 345 reviews, for an average of 4–5 reviews per paper. Around 50 external reviewers offered additional assistance in the initial review phase. Phase 2: The PC members exchanged opinions using HotCRP during a 10-day online discussion phase, mostly focusing on those papers with divergent ratings. Phase 3: The committee had a virtual PC meeting on April 10th via WebEx and teleconference to make final recommendations for the papers that were still under debate. During the meeting, shepherds were assigned to five of the papers to ensure reviewer concerns were addressed in the final papers. Authors and reviewers are who define the research community for ICAC, and we thank you for your contributions to this year’s technical program.

From the 73 papers submitted to the main track, the program committee selected 16 full papers, with a 22% acceptance rate. In addition, 10 short papers were accepted, and one was recommended for the MBDS track. These papers cover autonomic computing theories, techniques, and deployments across a variety of systems and application domains, including data centers, clouds, hardware architecture, software-defined networks, and mobile environments. These papers will be presented in nine technical sessions. From the 17 papers submitted to the two special tracks, four papers were accepted to each of the tracks, adding two additional sessions. We also attempted to include both papers with mature results and thorough evaluations as well as early-stage papers that propose new concepts/problems or reach into new areas. In addition, ICAC ’13 will offer daily keynote speeches from Carl Waldspurger, Alon Halevy, and Dilma Da Silva, a panel on Big Data Systems, a poster and demo session, and a Ph.D. forum.

We would also like to thank the following organizations and systems that helped us along the way. First, thanks to USENIX for sponsoring ICAC and hosting it as part of the Federated Conference Week this year. The USENIX staff has been very helpful and supportive during the whole process; without them our jobs would have been much harder. Second, we thank our corporate sponsors and partners, including VMware (Silver Sponsor), HP (Bronze Sponsor), Google (General Sponsor), SPEC Research, and DMTF. Third, we appreciate the variety of features offered by the HotCRP system that significantly reduced the overhead of running the PC. Last but not least, we want to thank everyone else in the ICAC ’13 organizing committee, who helped put together a strong technical program. Thank you for your involvement and participation in the ICAC community, and enjoy the conference!

Calton Pu, *Georgia Institute of Technology*

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