LT 2015 Chairs' Welcome

It is our great pleasure to welcome you to the *Fourth International Workshop on Large-Scale Testing (LT 2015),* held in Austin, Texas, USA, on February 1st, 2015.

Large-scale software systems must service thousands (e.g., enterprise applications) or even millions (e.g., e-commerce websites like Amazon) of concurrent users every day. Many field problems of these systems are due to their inability to scale to field workloads, rather than feature bugs. In addition to conventional functional testing (e.g., unit and integration testing), these systems must be tested with large volumes of concurrent requests (called the *load*) to ensure the quality of these systems. *Large-scale testing* includes all different objectives and strategies of testing large-scale software systems using load. Examples of large-scale testing include live upgrade testing, load testing, high availability testing, operational profile testing, performance testing, reliability testing, stability testing and stress testing.

LT 2015 is a one-day workshop. The workshop participants consist of a mixture of academic and industrial researchers. A big emphasis of this workshop is to make the workshop interactive with many discussion slots assigned throughout the schedule. The workshop has two keynote talks: "Load Testing Elasticity and Performance Isolation in Shared Execution Environments" by Professor Samuel Kounev from University of Würzburg and "Challenges, Benefits and Best Practices of Performance Focused DevOps" by Wolfgang Gottesheim from Compuware. In addition, the workshop also includes presentations from technical papers and industrial talks. Finally, there is a panel, which brings together industrial practitioners and academic researchers to discuss the opportunities and challenges associated with large-scale testing.

We hope you enjoy the technical and social program. If you are not able to attend our workshop, we hope you will find the papers and talks in this workshop simulating. This workshop would not happen without the efforts of the program committee members who helped with timely and constructive reviews. In addition, we want to extend our gratitude to each author and presenter who submitted their work to the LT 2015 workshop.

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