

Preface

This volume contains the proceedings of the Future Internet Testing (FITTEST) Workshop, which was held in conjunction with the 25th IFIP International Conference on Testing Software and Systems (ICTSS) in Turkey, Istanbul, in November 2013. The workshop, which was sponsored by the European FP7 Project FITTEST (<http://www.pros.upv.es/fittest>), was dedicated to advancing the state of the art and practice in verification and testing of future Internet (FI) applications.

The Future Internet Testing Workshop is a dedicated workshop for the software testing community working in the domain of FI applications. Topics included:

- New techniques and tools for testing applications that deal with the dynamic, adaptive, and self-* properties of the future Internet.
- Evaluation of testing tools on real systems through case studies.

The workshop also featured the second round of a competition for Java unit testing tools. This competition was a follow-up on the tool competition run at the Search-Based Software Testing (SBST) workshop held during the International Conference on Software Testing (ICST) in 2013 in Luxembourg. Due to the huge success of this first edition of the competition and the enthusiasm demonstrated by both tool participants and organizers, we decided to run this follow-up at the FITTEST workshop half a year later to see if the tools had improved and were up for a new, bigger, and more difficult benchmark. Moreover, we wanted to continue the stimulating discussions at the workshop about the advantages and disadvantages of particular approaches to the problem. The participants demonstrated their tool at the workshop and presented the results of the competition. The discussion was highly interesting and more competitions are planned.

The Program Committee accepted five regular papers out of eight submissions, whose versions are published in this volume. In addition, the committee included a paper that describes the Java Unit Test Competition held in the context of the workshop as well as a general summary of the achievements of the FITTEST project.

The program chairs would like to thank all of the reviewers for their excellent work and are grateful to the partners involved in the FITTEST project for their support before, during, and after the workshop.

We thank Arthur Baars, Kiran Lakhotia, Peter Kruse, Andrea Arcuri, Gordon Fraser, and Wishnu Prasetya for the work they did in making the tool competition happen.

February 2014

Tanja E.J. Vos
Kiran Lakhotia
Sebastian Bauersfeld

Future Internet Testing

First International Workshop, FITTEST 2013, Istanbul,
Turkey, November 12, 2013, Revised Selected Papers

Vos, T.E.J.; Lakhotia, K.; Bauersfeld, S. (Eds.)

2014, IX, 111 p. 28 illus., Softcover

ISBN: 978-3-319-07784-0