

Message from the Chairs

Welcome to the **Workshop on Automated Software Testing (A-TEST)**, in Bergamo, Italy, 30th -31st August 2015. This workshop is co-located with 10th Joint Meeting of the European Software Engineering Conference (ESEC) and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE), 2015.

Software testing is at the moment the most important and mostly used quality assurance technique applied in industry. Considering the activities that make up the testing life-cycle, test case design, selection and evaluation is the activity that determines the quality and effectiveness of the whole testing process. These are, however, the most difficult, time-consuming and error-prone activities during testing. Much of these activities are still carried out manually, and the quality of the resulting tests is sometimes low since they fail to find important errors in the system.

A-TEST workshop aims to provide a venue for researchers as well as the industry to exchange and discuss trending views, ideas, state of the art work in progress, and scientific results on topics such as:

- Techniques and tools for automating test case design and selection, e.g. model-based, combinatorial, search-based, or symbolic approaches.
- Test cases optimization.
- Test cases evaluation and metrics.
- Test cases design, selection, and evaluation in emerging test domains, e.g. Graphical User Interface, Social Network, Cloud, Big Data, Games, or Security.
- Case studies that have evaluated an existing technique or tool on real systems, not only toy problems, to show the quality of the resulting test cases compared to other approaches.

The workshop welcomes submissions in the form of full paper (10 pages) describing original and completed research, either empirical or theoretical, or an industrial case study; as well as submissions in the form of work-in-progress paper (4 pages) that describes novel, interesting, and highly potential work in progress, but not necessarily reaching its full completion.

There were 12 submissions, each is peer-evaluated by at least three reviewers, with at least one reviewer who are highly confident in the subject of the paper. Six full papers and one work-in-progress paper are accepted for presentation in the workshop.

We are grateful to all authors for their submissions to A-TEST 2015, and to the Program Committee members for their valuable time and effort in reviewing the submitted papers. Thank you, and we hope that you enjoy this year's workshop.

(Tanja Vos, Sigrid Eldh, Wishnu Prasetya. and Anna Esparcia)

A-TEST 2015 Organization

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