Second IEEE International Contest on Software Testing

in conjunction with the 18th IEEE International Conference on Software Quality, Reliability, and Security (QRS 2018)

July 17, Lisbon, Portugal
http://paris.utdallas.edu/qrs18/contest.html

INTRODUCTION

Software plays an integral part in our everyday lives because of its near ubiquitous influence in our increasingly technological society. Therefore, taking appropriate steps to applying software testing techniques is of paramount importance. To promote advanced software testing theory, techniques, and tools, IEEE Reliability Society, collaborating with IEEE International Conference on Software Quality, Reliability, and Security as well as other sponsors will host the Second IEEE International Contest on Software Testing on July 17 in Lisbon, Portugal. Through this contest, we bring real-world testing and tool experience to the contestants and provide excellent opportunities for them to practice their learned testing techniques to overcome industry-testing challenges. We cordially invite you to participate in the contest and win a CASH prize!

REGISTRATION

All interested contestants must send an email to Mr. Linghuan Hu at hulinghuan@gmail.com before July 12. The subject of the email should be "IEEE 2018 ISTC -- Contestant". The content must include the first name, last name, and affiliation.

FORMAT & EVALUATION

All contestants must bring their own laptops. The contest has two parts:
- The first part is a 2-hour tutorial (10:00 – 12:00). We will help contestants properly configure their laptops, and explain how to use JUnit & Mooctest.net platform. Each contestant is required to have basic knowledge about Java programming and JUnit.
- The second part is the contest (14:00 – 17:00). It is individual based. Each contestant will design test cases with specific input values based on the given source code and specification to test a few Java programs. The quality of test cases will be measured by the code coverage (statement and branch) and mutation score achieved. If test cases from multiple contestants achieve the same coverage, contestants with fewer test cases have a higher ranking than those with more test cases.

PLATFORM & CONFIGURATION

Laptops used for this contest must have the following software installed:
- Windows 7 or later versions
- Java JDK 1.7 (cannot be other JDK versions)
- Eclipse Luna (cannot be other Eclipse versions)

We will help contestants configure their laptops during the Tutorial session.

AWARDS

The first place receives a cash prize of $400 USD, followed by the 2nd and the 3rd places for $300 USD and $200 USD, respectively. The 4th to the 10th place each receives $100 USD

CONTEST VENUE

The Contest will be held at the Instituto Superior Técnico, University of Lisbon, Portugal.

IMPORTANT DATES

- July 12, 2018:   Application deadline
- July 17, 2018:   Tutorial & Contest
- July 17, 2018:   Award Ceremony

SPONSORS