

IEEE INTERNATIONAL SOFTWARE TESTING CONTEST

March 30, 2019



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 apply software testing techniques is of paramount importance. To promote advanced software testing theory, techniques, and tools, the IEEE Reliability Society, in collaboration with the Computer Science Department at the University of Texas at Dallas as well as other sponsors will host an IEEE International Software Testing Contest on Saturday, March 30, 2019 at UT Dallas.

IMPORTANT DATES

- Registration Deadline: March 29, 2019
- Tutorial & Contest: March 30, 2019

CONTEST VENUE

Computer Science Department, ECSS building
800 West Campbell Road, Richardson, TX 75080, USA

ACTIVITIES & SCHEDULE

- All contestants must bring their own laptops.
 - Tutorial (10:00am – 12:00pm) The first part is a 2-hour tutorial of the contest and JUnit testing framework. We will help contestants properly configure their laptops and explain how to use JUnit & Mootest.net platform. Each contestant is required to have basic knowledge about Java programming.
 - Lunch (12:00pm – 13:00pm) Pizza lunch will be provided.
 - Contest (13:00pm – 16:00pm) The contest is individual based. Each contestant needs to design test cases with specific input values based on the given source code and specification to test two Java programs. The quality of test cases will be measured by the code coverage and mutation score.

REGISTRATION

Register online: bit.ly/test-contest Registration fee is \$1 for college students, \$5 for high school students (advanced level middle school students can attend contest as well) & \$10 for professionals. Paperwork should be completed online at bit.ly/utd-cc-forms for all high school students.

RUNNING ENVIRONMENT

All contestants must bring their own laptops with Chrome browser installed. We will help contestants configure their laptops during the Tutorial session.

AWARD & CERTIFICATE

The first three places of students will receive awards. In addition, every contestant will receive a certificate.

SPONSORS



Reliability Society



INQUIRY

Send inquiries to

- ☐ Professor W. Eric Wong (ewong@utdallas.edu)
- ☐ Dr. Jey Veerasamy (jeyv@utdallas.edu)