

# IEEE INTERNATIONAL SOFTWARE TESTING CONTEST

Saturday, Feb 8, 2020



## INTRODUCTION

Software plays an integral part in our everyday lives today 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, February 8, 2020 at UT Dallas. Pizza lunch will be provided.

## CONTEST GUIDELINES

All contestants must bring their own laptops. The contest has two parts:

- The first part is a 2-hour tutorial (10am to 12noon). 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. We will serve Pizza for lunch.
- The second part is the contest (1pm-4:30pm). The contest is individual based. Each contestant will 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 achieved.

## RUNNING ENVIRONMENT

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.

## REGISTRATION

Register online: [bit.ly/test-contest-2020](http://bit.ly/test-contest-2020) Registration fee is \$2 for college students & high school students (advanced level middle school students are OK too) & \$10 for professionals. Supervision not provided for school students – please make sure that responsible adult is with them at all times.

## AWARD & CERTIFICATE

Top 3 School Students & College students will get the technology products as prizes valued around \$1000, \$500 and \$250! Every contestant will receive a participation certificate.

## IMPORTANT DATES

- Registration deadline: Feb 3, 2020
- Tutorial & contest: Feb 8, 2020

## CONTEST VENUE

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

## SPONSORS



## INQUIRY

Send inquiries to

- Professor W. Eric Wong ([ewong@utdallas.edu](mailto:ewong@utdallas.edu))
- Dr. Jey Veerasamy ([jeyv@utdallas.edu](mailto:jeyv@utdallas.edu))