2021 International Contest on Software Testing

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The Dallas Chapter of RS in conjunction with the Technical Committee of *System and Software Assurance* of RS, and the Department of Computer Science at the University of Texas at Dallas organized a very successful International Contest on Software Testing on April 24, 2021. The contest was technically sponsored by Mooctest, Inc.

The contest is one of the most important events organized by the Dallas Chapter every year, increasing its reputation year after year while becoming an international event. This year, there were ***more than 200 contestants from four different countries***: USA, India, Brazil, and China.

The contest has two parts:

- The first part was a JUnit tutorial and practice test. Both were made available before the contest. The objective was to help contestants understand the contest format, the basics of the JUnit testing framework, as well as the MoocTest online testing platform required to use during the contest. Each contestant needed to have basic knowledge about Java programming.

- The second part was the contest (09:00 - 11:30 am, April 24, Central Daylight Time, USA)**.** The contest was individual-based. Each contestant had to design test cases with specific input values based on the given source code to test multiple Java programs. The quality of the generated test cases was measured by the code coverage and mutation score achieved.

The following table gives the top ten winners of the college group. There was another group for high school students. Each winner received either a cash award or equivalent-valued gifts provided by our industry partners. A certificate was presented to every contestant for their participation. More details can be found at https://swtesting.techconf.org/events/utd2021-spring

Contest Winners

🏆 **Top 10 of Colledge Group**

Rank	Name	Affiliation	Country
1	Ziying Huo	Jinan University	China
2	Zijia Chen	Shenzhen Pengcheng Technician College	China
3	Anshul Pardhi	The University of Texas at Dallas	USA
4	Austin Geng	Benjamin Franklin High School	USA
5	Xinbo Fu	Shenzhen Pengcheng Technician College	China
6	Henrique Pereira	Federal University of Santa Maria	Brazil
7	Hao Chen	Nanjing University of Posts and Telecommunications	China
8	Ruixin Lin	Shenzhen Technical School	China
9	Zhizhong Xu	Shenzhen Pengcheng Technician College	China
10	Gourav Khator	Centre for Science and Environment	India

A list of eighteen (18) contests organized in the past five years can be found at our website. Except for those in 2020 and 2021 that were conducted online in a virtual mode due to the Covid-19 pandemic, all other contests were held in-person at different locations including **USA, Brazil, Austria, Portugal, Bulgaria, Czech Republic,** and **China.**

In particular, articles of the following three contests provide additional details:

- Contest on March 30, 2019 published in the RS Newsletter (Vol. 65, No. 1, March 2019)

- Contest on September 17, 2018 published in the RS Newsletter (Vol. 64, No. 3, November 2018)

- Contest on February 15, 2018 appeared on the website of the Computer Science Department at the University of Texas at Dallas.

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