

2023 Spring 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 Computer Science (CS) Department at the University of Texas at Dallas organized a very successful *International Contest on Software Testing* on April 8, 2023. The contest was held in a hybrid mode where contestants in the Dallas-Fort Worth metropolitan area participated in-person and those from other geographic regions such as India, Brazil, China, Malaysia, and Austria joined online. *There were more than 200 students from six different countries who registered/attended the contest.* The following figures show the contest on the campus of UT Dallas.

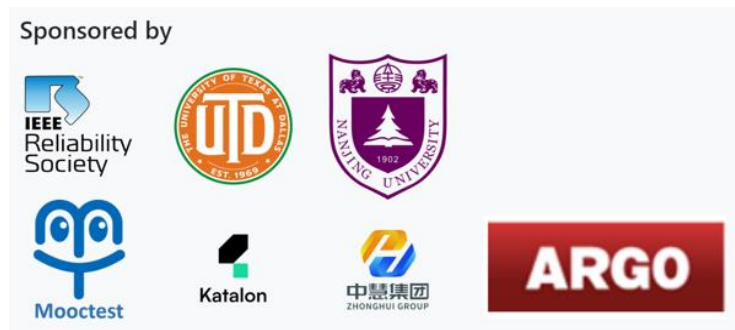




The CS Department at UT Dallas is one of the largest Computer Science Departments in the USA with more than 4,000 students. It is also one of the few that offers B.S., M.S., and PhD in *Software Engineering* in addition to the *Computer Science* degrees.

Students were required to watch a video and complete a practice test before attending the contest. During the contest, each contestant had to work independently to design a suite of 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.

This contest was sponsored by Mooctest Inc., which provided the Mooctest online testing platform used for the contest. It was also sponsored by [Argo Data](#), [Katalon Inc.](#), Zhonghui Group, etc.



Mr. Mark Bentsen, a senior QA Manager from Argo Data gave a talk on *Performance Assurance* after the contest while students were having lunch and waited for the results.

Each of the top ten winners received a set of JBL Bluetooth Wireless Headphone. Since UT Dallas does not allow students to receive cash directly from the contest, the top three students also received a present with a value of \$150, \$100, and \$50, respectively. In addition, Katalon Corporation provided all the winners with a one-year free license for their testing tools. The following figure shows the winners for the in-person session of the 2023 Spring contest. The top three are Abhishek Chauhan, Raghunath Siripudi, and Vedang Wartikar.



Top 10 winners for the in-person session of the 2023 Spring Contest

Winners for the online session are Leonardo Miyake (Brazil), Pedro Henrique Kuroishi (Brazil), Augusto dos Santos Gomes Vaz (Brazil), Vinita Balasaheb Ghotane (India), Hao Zhu (China), Jianpeng Tang (China), and Yichen Li (China).

A certificate was presented to every contestant for their participation. More details can be found at <https://swtesting.techconf.org>

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The 2023 Spring IEEE International Contest on Software Testing

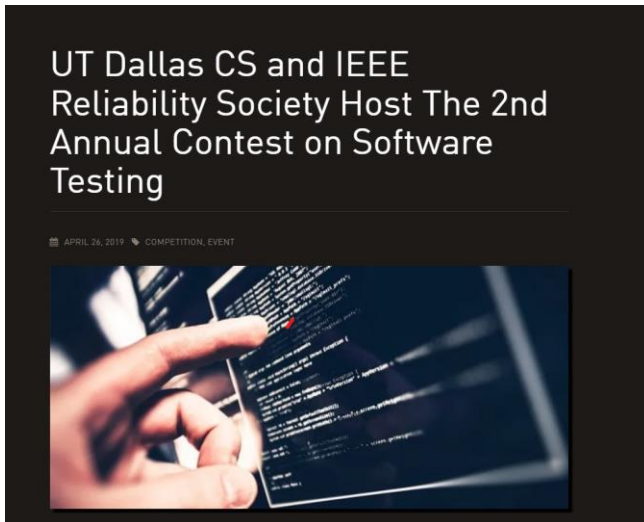
Software plays an integral part in our everyday lives because of its near ubiquitous influence in our increasingly technological society. It has significant impacts on the improvement of efficiency, reliability, security, and safety of many service-oriented and miss-critical systems.

Important Dates
April 1 - 7, 2023 Tutorial & Practice Session
April 5, 2023 Registration Deadline (USA area)
April 8, 2023 (9:00 am - 12:00 pm, Central Daylight Time, USA) Contest

A list of the past nineteen (19) contests that we have organized since 2016 can be found at [our website](#). Except for those in 2020 to 2022 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, Portugal, Bulgaria, Czech Republic, and China.

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

- Contest on April 30, 2022 published in the RS Newsletter ([Vol. 68, No. 2, June 2022](#))
- Contest on April 24, 2021 published in the RS Newsletter ([Vol. 67, No. 1, June 2021](#))
- Contest on February 6, 2020 published in the RS Newsletter ([Vol. 66, No. 1, June 2020](#))
- Contest on March 30, 2019 appeared on the [website](#) of the Computer Science Department at the University of Texas at Dallas.



- Contest on January 27, 2018 appeared on the [website](#) of the Computer Science Department at the University of Texas at Dallas.



For the 2023 Spring contest, we thank the Center for Computer Science Education & Outreach at the University of Texas at Dallas for all the logistical support.

We also give special acknowledgement to Professor Zhenyu Chen (Software Institute, Nanjing University), Mr. Yuan Zhao and Gaolei Yi (Mooctest Inc., China), as well as Mr. Dongcheng Li, Mr. Zizhao Chen, Mr. Kevin Hsu, Ms. Kundana Govada and Ms. Chaitra Sri Bodapati (all from the Computer Science Department at the University of Texas at Dallas) for their efforts in making this contest very successful.