

Technical Seminars on Real-World Test Automation

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The Dallas Chapter of the IEEE Reliability Society, with additional support of the Department of Computer Science at the University of Texas at Dallas (UTD), organized a technical seminar on *Real-World Test Automation* on June 2, 2022. It was held in a hybrid mode such that attendees could either attend in-person or dial in using Zoom to join virtually. The seminar was open to the reliability community in the Dallas/Fort Worth (DFW) metropolitan area as well as faculty and students at UTD. In particular, those who were doing research on *software safety and reliability* under an NSF (National Science Foundation)-sponsored REU (Research Experiences for Undergraduate Students) program at UTD also attended the seminar.

The objective of this seminar was two-fold: first, explaining how test automation can be achieved in different industry settings for various real-life software systems; and second, giving attendees a chance to directly communicate with the speaker, a leading expert on test automation in the DFW area, and receive a first-hand account of work environments and lifestyles in the industry.



— Traditions Can Be Important

Traditional automation

- Detect behavior changes
- Reduce effort on smoke and regression testing
- Earlier execution, earlier alerts
- Scheduled execution

My previous organizations have this and it's valuable

Is there something else?

- What If We Think Differently?

"Let's help the humans"

What makes us more efficient or more effective?

What's valuable?

What hurts?

Instead of *automation*, how about *assistance*?

The Dallas Chapter would like to thank Mr. Paul Grizzaffi, Principal Automation Architect at Cognizant Softvision, for presenting this seminar and answering attendees' questions. Special acknowledgment also goes to the Computer Science Department at UTD for all the logistics support.