

# The 3rd International Symposium on System and Software Reliability

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Keynote Speech

## **Challenges on Software Testing and Program Debugging**

**W. Eric Wong**

Advanced Research Center for Software Testing & Quality Assurance

Department of Computer Science

University of Texas at Dallas, TX, USA

### **Abstract**

(TBA)

### **About the speaker**



**W. Eric Wong** received his M.S. and Ph.D. in Computer Science from Purdue University, West Lafayette, Indiana, USA. He is a Full Professor, the Director of International Outreach, and the Founding Director of Advanced Research Center for Software Testing and Quality Assurance (<http://paris.utdallas.edu/stqa>) in Computer Science at the University of Texas at Dallas (UTD). He also has an appointment as a guest researcher at the National Institute of Standards and Technology, an agency of the U.S. Department of Commerce. Prior to joining UTD, he was with Telcordia Technologies (formerly Bellcore) as a senior research scientist and the project manager in charge of Dependable Telecom Software Development.

Professor Wong is the recipient of the 2014 IEEE Reliability Society Engineer of the Year. He is also the Edit-in-Chief of the IEEE Transactions on Reliability. His research focuses on helping practitioners improve software quality while reducing production cost. In particular, he is working on software testing, program debugging, risk analysis, safety, and reliability. Professor Wong has published more than 180 papers and edited 2 books.

Professor Wong is the Founding Steering Committee Chair of the IEEE International Conference on Software Security and Reliability (SERE) and the IEEE International Workshop on Program Debugging. In 2015, the SERE conference and the QSIC conference (International Conference on Quality Software) merged into one large conference, QRS, with Q representing *Quality*, R for *Reliability*, and S for *Security*. Professor Wong continues to be the Steering Committee Chair of this new conference (<http://paris.utdallas.edu/qrs>).