

Douglas Hoffman

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Publications^{1, 2}

Kaner, Cem, and Hoffman, Douglas, **“The Domain Testing Workbook”** Context Driven Press, 2013

Graham, Dorothy, and Fewster, Mark, **“Experiences of Test Automation”** (“Exploratory Test Automation: Database Record Locking”), Pearson Education, 2012

Fiedler, Rebecca, Kaner, Cem, and Hoffman, Douglas, **“Black Box Software Testing Instructor’s Manual”** Association For Software Testing, 2011

“Why Tests Don’t Pass” Conference of the Association for Software Testing (CAST), July, 2009

“Non-Regression Test Automation” PNSQC, October, 2008

“Lessons for Testing From Financial Accounting” CAST, July, 2008

“A Graphical Display of Testing Status for Complex Configurations” PNSQC, October, 2007

“Avoiding the ‘Test and Test Again’ Syndrome” CAST, July, 2007

“Divide and Conquer” Better Software Magazine, Volume 7, Issue 1, January 2005

“Exhausting Your Test Options” Software Testing and Quality Engineering Magazine, Volume 5, Issue 4, July/August 2003

“Misleading Metrics” Dr. Dobb’s Journal, October 01, 2002

“Overview of ASQ’s Certified Software Quality Engineer (CSQE) Body of Knowledge” Quality Week Conference, 2002

“Blind Alleys in Automated Testing” Software Testing Analysis & Review (STAR) East, 2002

“Using Oracles in Test Automation” PNSQC, October, 2001

“The Darker Side of Metrics” PNSQC, October, 2000

“Mutating Automated Tests” SSQA, May, 2000

“Cost Benefits for Test Automation” STAR, West 1999

“Test Automation Architectures: Planning for Test Automation” Quality Week, 1999

¹ Unless otherwise indicated, © Douglas Hoffman prior to 1990; © Software Quality Methods 1990-1995; © Software Quality Methods, LLC. since 1995.

² Copies of papers and slides for presentations since 1995 are at <http://www.softwarequalitymethods.com/Papers.html>.

“Heuristic Test Oracles” Software Testing and Quality Engineering, Volume 1, Issue 2, April 1998

“A Taxonomy of Test Oracles” Quality Week, 1998

“A Process for Measuring the Quality of Software Consulting” PNSQC, 1994

Presentations (Partial List³)

“All About Test Automation” Belgium Testing Days (workshop) June, 2016

“Test Automation Heuristics” Belgium Testing Days June, 2016

“High Value Automated Testing” Fall Software Test Professionals Conference (STPCon), October, 2015

“Five Fallacies About Test Automation” Fall Software Test Professionals Conference (STPCon), October, 2015

“Exploratory Automated Testing” Belgium Testing Days (workshop) April, 2014

“Advanced Equivalence Class Analysis” Belgium Testing Days April, 2014

“Improved Testing Using A Test Execution Model” Fall Software Test Professionals Conference (STPCon), October, 2013

“Exploratory Test Automation” Pacific Northwest Software Quality Conference (PNSQC) (workshop), October, 2013

“Exploratory Test Automation” PNSQC, October, 2013

“The Myths Behind Software Metrics” PNSQC, October, 2013

“Exploratory Test Automation” Conference for the Association for Software Testing (CAST), August, 2013

“Test Automation; Anatomy, Architecture & Approaches” Software Test Professionals (STP) Online Summit, May, 2013

“Exploratory Test Automation” Belgium Testing Days (workshop) April, 2013

“Lean Documentation for Software Verification and Validation” BIOMEDevice San Jose (conference), December, 2012

“Non-Regression Test Automation” Fall STPCon, October, 2012

“Exploratory Test Automation” Spring STPCon (workshop), March, 2012

“Why Tests Don’t Pass (or Fail)” Spring STPCon (session), March, 2012

“Self-Verifying Data” PNSQC, October, 2012

“Leverage Test Automation ROI” Software Testing Analysis & Review (STAR) West (keynote), 2012

“Math Behind The Metrics” STP Online Summit, December, 2011

“Exploratory Test Automation” CAST (presented with Cem Kaner), August, 2010

³ Many repetitions of nearly the same talks for local organizations are skipped for simplicity.

“Bugs For Sale” IV Encontro Brasileiro de Testes de Software (EBTS IV) (session), Recife, Brazil April, 2010

“Test Oracles” IV EBTS IV (workshop), Recife, Brazil April, 2010

“Why Tests Don’t Pass (or Fail)” PNSQC, October, 2009

“Why Tests Don’t Pass” CAST, July, 2009

“Five Test Automation Fallacies” Better Software Conference, June, 2009

“Oracle Based Software Test Automation” Software & Systems Quality Conference, Germany (SQC), May, 2009

“Automating Results Comparison Isn’t Always Easy” Recife Summer School (RSS) (workshop) Recife, Brazil, February, 2009

“Avoiding the ‘Test and Test Again’ Syndrome” III Encontro Brasileiro de Testes de Software (EBTS III, Brazil), October, 2008

“Non-Regression Test Automation” PNSQC, October, 2008

“Lessons for Testing From Financial Accounting” CAST, July, 2008

“A Graphical Display of Testing Status for Complex Configurations” PNSQC, October, 2007

“Avoiding the ‘Test and Test Again’ Syndrome” CAST, July, 2007

“Tutorial on Advanced Automation Architectures” CAST, July, 2007

“Early Testing Without the Test and Test Again Syndrome” Silicon Valley Software Quality Association (SSQA), Nov. 2006

“Using Test Oracles in Automation” Google Tech Talk, April, 2006

“The Test-and-Test Again Syndrome” Better Software Conference, October, 2004

“Using Test Oracles in Automation” Software Test Automation Conference (invited speaker), Fall 2003

“Architectures for Automated Testing” PNSQC October 2003)

“Automated Testing of Embedded Software” Software Test Automation Conference (invited speaker), Spring 2003

“Using Test Oracles in Automation” Software Test Automation Conference (invited speaker), Spring 2003

“Using Test Oracles in Automation” PNSQC, October, 2001

“What’s Different About Software” American Society for Quality Section (ASQ) 0613, April 2001

- “Requirements for Test Automation”** SSQA, December, 2000
- “The Darker Side of Metrics”** PNSQC, October, 2000
- “Architecture and Design of Automated Software Tests”** PNSQC Spring Workshop, May, 2000
- “Oracle Approaches for Automated Testing”** Quality Week (workshop), May, 2000
- “Mutating Automated Tests”** SSQA, May, 2000
- “21 CFR Part 11: Electronic Signatures, Electronic Records”** ASQ Section 0613, May, 2000
- “Failure Mode and Effects Analysis”** ASQ Section 0613, May, 2000
- “Mutating Automated Tests”** STAR East, April, 2000
- “Requirements for Test Automation”** PNSQC, October, 1999
- “Test Automation Architectures: Planning for Test Automation”** Quality Week, May, 1999
- “Thoughts on Oracles and Software Test Automation”** Quality Week (with Cem Kaner), May, 1999
- “Analysis of The Taxonomy of Test Oracles”** Fifth Los Altos Workshop on Software Testing (LAWST), October, 1998
- “Metrics for Metrics: Cost Analysis and Justification”** Developing Strategic I/T Metrics Conference, May, 1998
- “Test Oracles; Planning Ahead for Test Automation”** East Bay SSQA (EBSSQA), March, 1998
- “Fundamentals of Software Testing”** ASQ (course), 1995
- “Foundations of Software Quality”** ASQ (course), 1994
- “Measuring the Quality of Software Consulting”** 4th International Conference on Software Quality (ICSQ), October, 1994
- “A Process for Measuring the Quality of Software Consulting”** Quality Week May, 1994
- “Some Measures of Quality of Software Consulting”** ASQ Section 0613 and SSQA, 1994
- “A Method for Measuring Quality of Software Consulting”** ASQ, 1994
- “Practical Software Metrics”** ASQ, 1993
- “Fundamentals of Software Quality Assurance”** ASQ (course), 1992 - 1995
- “The Software Quality Group's Relationship to Development”** PNSQC, October, 1993

- “The Role of the Quality Group's in Software Development”** Quality Week, May, 1993
- “Preparing a Software Organization for CASE”** Quality Week, May, 1992
- “Preparing an Organization for CASE”** Quality Week, May, 1992
- “Assessing the Quality of a Software Development Project”** 1991
- “A Model for Evolution of Software Development Processes”** Quality Week, 1991
- “Assessing Quality in Software Projects”** 1991
- “The Impact of Hardware Technology on Software Testing”** Quality Week, 1990
- “Managing Technological Changes: Setting Your Horizons”** Quality Week, 1989
- “Evolution of Software Quality and the Product Development Process”** 1989
- “Managing the Test Process”** Quality Week, 1988

A partial list of Copyrighted Courses Prepared and Taught:

High Volume Automated Testing
Context Driven Testing
Exploratory Automated Testing
Better Bug Detection: Test Oracles
Test Oracles
Black Box Software Testing
Software Test Automation Design
Oracle Based Software Test Automation
CSQE Examination Preparation
Test Automation: A Context-Driven Approach (with Bret Pettichord)
Automated Software Tests: Architecture and Design
Architecture and Design of Automated Software Testing Environments
Design of Automated Software Tests (with Cem Kaner)
Black Box Software Testing (with Cem Kaner)
Software Project Management
Fundamentals of Software Quality Methods
Test Plans and Test Specifications
The Possible Roles of Software Quality Assurance
Priorities for Management of Software Quality
Who Should do the Testing, and When
The Cost of Quality
Software Process Metrics
A Practical Framework for Test Design and Development
When is the Testing Complete?
Product and Test Metrics
Priorities for Tests and Testing; Risk Management
Product Release Timelines and Processes
The Terminology and Language of Testing and Software QA
The Technology of Software Quality