

# Douglas Hoffman

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## Publications <sup>1, 2</sup>

“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, Volume 5, Issue 4, July/August 2003

“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

“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

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

## Presentations

**“Exploratory Test Automation” Conference for the Association for Software Testing (CAST) August, 2010**

**“Why Tests Don’t Pass” Pacific Northwest Software Quality Conference (PNSQC) October, 2009**

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

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

**“Test Oracles” IV Encontro Brasileiro de Testes de Software (EBTS, Brazil) April, 2010**

**“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, Brazil) February, 2009**

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

**“Non-Regression Test Automation” Pacific Northwest Software Quality Conference (PNSQC) October, 2008**

**“Lessons for Testing From Financial Accounting” 2008 (Conference for the Association for Software Testing, 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” Conference for the Association for Software Testing (CAST) July, 2007**

**“Early Testing Without the Test and Test Again Syndrome” SSQA Nov. 2006**

**“Avoiding the Test-and-Test Again Syndrome” 2004 (2004 Better Software Conference)**

**“Using Test Oracles in Automation “ 2003 (Invited speaker, Fall 2003 Software Test Automation Conference)**

**“Architectures for Automated Testing” 2003 (PNSQC 2003)**

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

**“Using Test Oracles in Automation “ 2003 (Invited speaker, Spring 2003 Software Test Automation Conference)**

- “Using Test Oracles in Automation” 2001 (PNSQC 2001)**
- “What’s Different About Software” 2001 (ASQ Section 0613 April)**
- “Requirements for Test Automation” 2000 (SSQA December)**
- “The Darker Side of Metrics” 2000 (PNSQC 2000)**
- “Architecture and Design of Automated Software Tests” 2000 (PNSQC Spring Workshop)**
- “Oracle Approaches for Automated Testing” 2000 (Quality Week 2000)**
- “Mutating Automated Tests” 2000 (SSQA)**
- “21 CFR Part 11: Electronic Signatures, Electronic Records” 2000 (ASQ Section 0613)**
- “Failure Mode and Effects Analysis” 2000 (ASQ Section 0613)**
- “Mutating Automated Tests” 2000 (STAR East 2000)**
- “Requirements for Test Automation” 1999 (PNSQC 1999)**
- “Thoughts on Oracles and Software Test Automation” (with Cem Kaner) 1999 (Quality Week 1999)**
- “Analysis of The Taxonomy of Test Oracles” 1998 (Fifth Los Altos Workshop on Software Testing)**
- “Metrics for Metrics: Cost Analysis and Justification” (Dev Strategic I/T Metrics Conference 1998)**
- “Test Oracles; Planning Ahead for Test Automation” 1998 (EBSSQA)**
- “Fundamentals of Software Testing” 1995 (ASQ)**
- “Foundations of Software Quality” 1994 (ASQ)**
- “Measuring the Quality of Software Consulting” 1994 (4th International Conference on Software Quality)**
- “A Process for Measuring the Quality of Software Consulting” 1994 (Quality Week 1994)**
- “Some Measures of Quality of Software Consulting” 1994 (ASQ)**
- “A Method for Measuring Quality of Software Consulting” 1994 (ASQ)**
- “Practical Software Metrics” 1993**
- "Fundamentals of Software Quality Assurance" 1992 - 1995 (ASQ Class)**
- “The Software Quality Group's Relationship to Development” 1993 (PNSQC 1993)**
- “The Role of the Quality Group's in Software Development” 1993 (Quality Week 1993)**
- “Preparing a Software Organization for CASE” 1992 (Quality Week 1992)**

**“Preparing an Organization for CASE” 1992 (Quality Week 1992)**

**“Assessing the Quality of a Software Development Project” 1991**

**“A Model for Evolution of Software Development Processes” 1991 (Quality Week 1991)**

**“Assessing Quality in Software Projects” 1991**

**“The Impact of Hardware Technology on Software Testing” 1990 (Quality Week 1990)**

**“Managing Technological Changes: Setting Your Horizons” 1989 (Quality Week 1989)**

**“Evolution of Software Quality and the Product Development Process” 1989**

**“Managing the Test Process” 1988 (Quality Week 1988)**

**A partial list of Copyrighted Courses Prepared and Taught:**

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