Association for Software Testing (AST)

CAST 2007: Testing Techniques: Innovations & Applications

July 9-11, 2007 – Seattle, WA

http://www.associationforsoftwaretesting.com/conference/index.html

Program: Day 1 – Monday, July 9, 2007

Time	Room 404 & 405	Room 401	Room 402	Room 403
7:30 – 8:45 AM	Continental Breakfast			
8:45 – 9:00 AM	Opening Remarks			Sponsor Exhibits
9:00 -10:15 AM	**KEYNOTE - Lee Copeland:** *Today's Testing Innovations*			
10:15 – 10:30 AM	Break			
10:30 – 10:45 AM	Speaker Introductions:			
11:00 AM - Noon	**Mike Kelly**: *Specialists and Other Myths*	**Antti Kervinen:** *Can I Have Some Model-Based GUI Tests Please?*	**Sam Kalman:** *Session Based Testing Lite*	
Noon - 1:00 PM	Lunch			
Noon - 1:00 PM	Performance Testing Focus Group, Sponsored by RadView			
1:00 - 2:15 PM	**KEYNOTE - Esther Derby:** *Bringing New Techniques Back to the Office: Peer-to-Peer Coaching*			
2:15 - 2:30 PM	Break			
2:30 - 2:45 PM	Speaker Introductions:			
3:00 – 4:00 PM	**Lydia Ash:** *Data Set Analysis: Approaches to Testing when the Build is the Data*	**Ryan Gerard & Amit Mathur:** *Meta-Framework: A New Pattern for Test Automation*	**Pat Schroeder & Danny Faught:** *Lessons Learned at the Stomp*	
4:00 – 4:15 PM	Break			
4:00 – 10:00 PM	The 2nd Annual CAST Tester Competition Sponsored by **Microsoft**			
4:15 - 5:00 PM	Tester Competition Preamble			
5:00 - 6:00 PM	AST Meeting & Board Of Directors Elections			

Confer:

The focus of CAST is on the "confer" part of the word "conference". You will find colored index cards in your packet. These are meant to signal the facilitator when you have questions. When the speaker is speaking, you may ask "Clarifying Only" questions. But when the speaker is done, it's "Open Season" at which point you can raise any of three cards:

- **Green**: this "On Stack" card signals the facilitator that you have a question that relates to the current thread of discussion.
- **Blue:** this "New Stack" card signals that you have a question or comment unrelated to the current thread.
- **Red:** the "Burning Issue" card. This is used when you are urgently compelled to interrupt the speaker. It can be a point-of-order, an argument, a problem with the facility acoustics, or something you need to get off your chest quickly because you've been provoked in a way that's meaningful to you. Once it is used, however, it is taken away (except when you use it to flag facility acoustics problems).

AST annual meeting and elections:

The AST is a non-profit professional association dedicated to improving the practice of software testing by advancing the science of testing and its application. Members and non-members may be interested in hearing how the AST operates and what its plans are for the coming year. The AST is run by members who volunteer as a nominated, elected slate of officers. The meeting and elections will be held from 5:00 to 6:00 pm on Monday, July 9. Everyone is welcome to attend (member or not), but only members can vote.

Evening Programs (Competition and Exhibition):

On Monday night, July 9, there will be a Tester Competition with prizes for Best Bug and Best Test Report. Microsoft is the sponsor, and anyone at the conference is free to enter or observe. Refreshments will be provided at 6:00 pm and judging occurs from 7:00 pm to 10:00 pm.

CAST 2007: Testing Techniques: Innovations & Applications

On Tuesday night, July 10, there will be a Colleague Exhibition - a non-competitive demonstration of testing strategy given by a collaboration of colleagues. Sponsored by Google, it includes 10-minute presentations by Harry Robinson, James Bach, Robert Sabourin, Scott Barber, Doug Hoffman, and Lydia Ash. The presenters will describe their approach for how they would test our own CAST 2007 registration page.

Tutorials:
If you signed up for a particular tutorial, you may switch to another, provided there are seats left in the room for the tutorial-in-progress you want to join.

Sponsors:
In return for the support of our sponsors, we have given them space in room 403 as well as out in the hallways. See the CD for additional Sponsor materials.

Program: Day 2 – Tuesday, July 10, 2007

Time	Room 404 & 405	Room 401	Room 402	Room 403
7:30 AM – 8:45 AM	Continental Breakfast			
8:45 – 9:00 AM	Opening Remarks			
9:00 -10:15 AM	**KEYNOTE - Keith Stobie:** *Testing Web Services*			
10:15– 10:30 AM	Break			
10:30 – 10:45 AM	Speaker Introductions:			
11:00 AM - Noon	**Doug Hoffman**: *Avoiding the "Test and Test Again" Syndrome*	**David Gilbert:** *Storm Tracking*	**Danny Faught:** *The Overly Agile Project*	Sponsor Exhibits
Noon - 1:00 PM	Lunch			
Noon - 1:00 PM	Experiences Testing the Load Testing Product, Sponsored by Microsoft			
1:00 - 2:15 PM	**KEYNOTE - Harry Robinson:** *The Bionic Tester*			
2:15 - 2:30 PM	Break			
2:30 - 2:45 PM	Speaker Introductions:			
3:00 – 4:00 PM	**Heather Tinkham:** *Agile Testing for a Waterfall World*	**Cem Kaner:** *The New Draft Principles of the Law of Software Contracting*	*Lightning Talks*	
4:00 – 4:15 PM	Break			
4:15 - 5:00 PM	AST MEETING			
5:00 - 6:00 PM	Tester Competition Results			
6:30 - 9:00 PM	Tester Exhibition sponsored by **Google**			

Program: Day 3 –Wednesday, July 11th, 2007

Time	Room 401	Room 402	Room 403	Room 404
7:30 – 8:45 AM	Continental Breakfast			
8:45 – 9:00 AM	Opening Remarks			
9:00 -10:15 AM	*Certification Debate*	**James Bach:** *Self-Education for Testers*	**Robert Sabourin:** *Just-In-Time Testing*	**Doug Hoffman**: *Advanced Test Automation Architectures: Beyond Regression Testing*
10:15 – 10:30 AM	Break			
10:30 AM - Noon	*Certification Debate Cont*	*Self-Education for Testers Cont.*	*Just-In-Time Testing Cont.*	*Advanced Test Automation Architectures Cont.*
Noon - 1:00 PM	Lunch			
1:00 - 2:15 PM	*Certification Debate Cont*	*Self-Education for Testers Cont.*	*Just-In-Time Testing Cont.*	*Advanced Test Automation Architectures Cont.*
2:15 - 2:30 PM	Break			
2:30 – 4:00 PM	*Certification Debate Cont*	*Self-Education for Testers Cont.*	*Just-In-Time Testing Cont.*	*Advanced Test Automation Architectures Cont.*
4:00 – 4:15 PM	Break			
4:15 - 5:00 PM	*Certification Debate Cont*	*Self-Education for Testers Cont.*	*Just-In-Time Testing Cont.*	*Advanced Test Automation Architectures Cont.*

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The following organizations are generous sponsors of CAST 2007.

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The aim of the Agile Alliance is to support Agile software projects and to help people start new Agile projects. In keeping with Agile values, the Alliance relies on iteration and its members.

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The AMERICAN SOFTWARE TESTING QUALIFICATIONS BOARD (ASTQB™) is an independent, non-profit organization formed to support and promote the ISTQB Certified Tester™ program in the United States. The ASTQB offers proctored examinations for those seeking ISTQB Certified Tester-Foundation Level and ISTQB Certified Tester-Advanced Level certifications.

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Construx Software provides technical consulting in software development best practices as well as public and private, on-site seminars to hundreds of leading companies world wide. Construx provides comprehensive support for a full spectrum of software development activities including management, requirements, design, construction, testing, QA, methods and processes, and configuration management. Construx's consultants and trainers average more than 20 years of software industry experience. These outstanding employees have been drawn to Construx by their belief in our mission: Advancing the Art and Science of Commercial Software Engineering.

http://www.fusionalliance.com/

Fusion Alliance provides services to a diverse collection of companies seeking technology solutions for their business needs. With a combination of cutting-edge technology, award-winning creative design and measurable results, Fusion offers brand-conscious clients a wide variety of solutions and options.

Fusion Alliance specializes in the art of technology consulting helping clients realize their business goals through the integration and implementation of technology-based solutions. Founded in 1994, Fusion employs more than 100 people and works with clients throughout the mid-west. Headquartered in Indianapolis, Indiana, Fusion recently opened an office in Cincinnati, Ohio.

Bernie Berger

Bernie has been testing software on Wall Street for over 10 years and has consulted for and managed projects at some of the world's largest financial institutions. His volunteer work includes running the Software Testing in Financial Services Workshop (STiFS) and serving on the Board of Directors of AST. He can be reached at bernie@testassured.com.

Google

http://www.google.com/

Google's mission is to organize the world's information and make it universally accessible and useful. As a first step to fulfilling that mission, Google's founders Larry Page and Sergey Brin developed a new approach to online search that took root in a Stanford University dorm room and quickly spread to information seekers around the globe. Google is now widely recognized as the world's largest search engine – an easy-to-use free service that usually returns relevant results in a fraction of a second. Google has two offices and 300+ employees in the Seattle area. The engineering office is located the city of Kirkland and the sales office is located in the Fremont neighborhood.

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Promoting Disciplined Software Testing Practices

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karen n. johnson

www.karennjohnson.com

Karen N. Johnson is a software testing consultant located in Chicago, Illinois. She has extensive experience in software testing and test management. She serves as a Director for the Association for Software Testing and is a program co-chair for the 2007 Conference for the Association for Software Testing. For more information about Karen, visit www.karennjohnson.com

:: kohl concepts

www.kohl.ca

Kohl Concepts Inc. is a consultancy founded by Jonathan Kohl and based in Calgary, Alberta Canada. We specialize in helping clients with software testing strategy, planning and execution, training on software testing, technical writing, translation and web site design. For the past two years, Kohl Concepts has designed and maintained the CAST web site.

kSETT
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kSETT, Test Case Management and Tracking software solves the problem of maintaining large volumes of tests, and tracking and reporting the results from manual and automated testing. Especially designed for remote and global teams and for the QA professional on the go, kSETT offers a rich set of integrated features to address testing visibility, accountability and access at an affordable monthly subscription rate.

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Liquid Audio was formed in May 1996 by experts in the music and technology industries and was the first company to deliver secure music over the Internet. Liquid Audio had the first digital music commerce system featuring copy protection and copyright management, as well as the first and largest digital music distribution network. Liquid Audio became Liquid Digital Media in January 2003 after being acquired by wholesaler Anderson Media, a large media distributor.

Microsoft

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Founded in 1975, Microsoft is the worldwide leader in software, services and Internet technologies for personal and business computing. The company offers a wide range of products and services designed to empower people through great software -- any time, any place and on any device. Microsoft Visual Studio Team System is the comprehensive tool set for rapidly building and integrating Web services, Microsoft Windows® based applications, and Web solutions.

MOBIUS LABS
SOFTWARE TESTING

www.mobiuslabs.com

As an independent, third-party organization, Mobius Labs is literally the "dream" team you would create to test and certify your software. We are experts who live and breathe the art and science of testing and technology.

Drawing on multi-platform, state-of-the-art equipment, our methodologies are comprehensive, as well as highly time and cost-effective. We assure your application is absolutely release-ready, to work the way it's intended to work, without any functional, compatibility, load-limiting or other unpleasant user surprises.

Our staff boasts technical backgrounds rivaling those of leading development teams. We are first-rate, career testing professionals, utilizing hardware and software testing facilities that rank among the industry's best.

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The firm specializes in custom application development, industry specific customizations and system upgrades. Partnerships with proven technology leaders, including Sage Software, Microsoft, Citrix and Cisco, allows Net@Work to deliver a range of unbiased, integrated solutions that bring its clients every competitive advantage possible. For more information visit www.netatwork.com.

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PerfTestPlus offers advising, consulting and training services as well as resources to bring software testing expertise and thought-leadership to organizations seeking to push their testing beyond "state-of-the-practice" to "state-of-the-art." Our testing services are designed and delivered by name-brand testing professionals who subscribe to our integrity driven, value focused philosophy."

www.quardev.com

Quardev Laboratories (www.quardev.com) is an outsource software testing and technical writing company in Seattle. Quardev focuses on onshore solutions for rapid exploratory and testing and technical writing contracts.

Jon Bach, a recognized expert in exploratory testing and Test Lead management, is Quardev's Corporate Intellect Manager and lead consultant.

www.qazone.empirix.com

QAZone by Empirix is a new online community dedicated to fostering communication and collaboration among QA & IT professionals as well as to helping ensure the quality and performance of your applications from development through production.

QAZone is the place where you can learn more about industry trends, QA methodology & best practices, and Empirix tools; all while networking with other QA/IT peers, asking, replying and sharing your knowledge with others through our Forums.

QAZone by Empirix is open to both Empirix and non-Empirix users, so if you are a QA or IT professional you are very welcome to join. We look forward to seeing you in QAZone!

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Software Quality Engineering assists software professionals and organizations interested in boosting productivity, improving software practices, delivering more customer value, and increasing ROI. Software Quality Engineering hosts three of the industry's most recognized software quality conferences including the STAR conference series and the Better Software Conference & EXPO. Offering a large variety of software training, Software Quality Engineering delivers software improvement methodologies to organizations both large and small. Our team of internationally recognized experts, with hands-on software testing and development experience, develop courses to help both software teams and organizations improve the bottom line. We also produce Better Software magazine and StickyMinds.com-the most comprehensive resources for helping you produce better software-and provide research through our various eNewsletters, books, and other publications. Software Quality Engineering arms you with the power of information.

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Software Test & Performance is a technical magazine for software development managers, developers, and test & QA management. Topics covered regularly include Java, .NET, Linux, and Web services test and performance, web load and performance testing, defect tracking, and configuration management at both enterprise and ISV companies. Subscribe free: www.stpmag.com

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The Indianapolis Quality Assurance Association Inc. is a non-profit organization that was formed February, 2004 to promote quality practices and highlight the Quality Assurance Profession within central Indiana.

SearchSoftwareqQality.com

SearchSoftwareQuality.com is the online community for developers, architects and executives interested in building secure and quality software.

Listed in order of appearance:

Keynote Speaker Bios

Lee Copeland

Lee Copeland has over thirty years experience as an information systems professional. He has held a number of technical and managerial positions with commercial and non-profit organizations in the areas of applications development, software testing, and software development process improvement.

He began his career as a systems engineer for Data General Corporation providing pre-sales and post-sales technical support for their computers and software products. Later, he worked for the LDS Church managing software development and software process improvement. In the later position, he directed the creation of a testing organization using inspections, functional and structural testing, and metrics for the evaluation of the quality of both the development and testing processes. He and his staff worked to encourage and support software development teams in improving their own testing.

Now, as a consultant with Software Quality Engineering, Lee has developed and taught numerous training courses focusing on software development and testing based on his extensive experience. In addition, he provides consulting services to SQE's clients.

He is a well-known and highly regarded speaker at software conferences both in the United States and internationally. He currently serves as Program Chair for the STAR testing conferences. Lee is the author of A Practitioner's Guide to Software Test Design, a compendium of the most effective methods of test case design.

Esther Derby

Esther Derby is one of the rare breed of consultant who blends the technical issues, and the managerial issues with the people issues. She is well known for her work in helping teams grow to new levels of productivity.

Management coaching, Scrum implementation, retrospectives, and project assessments are four of Esther's key practices that serve as effective tools to start team transformation.

Recognized as one of the world's leaders in retrospective facilitation, she often receives requests to work with struggling teams. Esther coaches Scrum teams, and helps organizations become more effective at delivering working software. Esther also coaches technical people who are making the transition to management.

Esther is the co-author of two books, Agile Retrospectives: Making Good Teams Great and Behind Closed Doors: Secrets of Great Management

Keith Stobie

Keith Stobie is a Test Architect at Microsoft where he plans, designs, and reviews software architecture and tests for protocols. Previously at Microsoft Keith worked on Live Search and XML Messaging (Windows Communication Foundation). Over the past 25 years he has focused on software testing distributed systems including Tandem Fault Tolerant systems, Informix Parallel database, and transactional and collaborative software at BEA Systems.

Keith provides training on inspections and quality process, and test training, strategy, methodology, design, tools, and automation. Keith has mentored and coached hundreds of professionals in the field. He writes and speaks to conferences around the world on software engineering, SQA, and testing.

Harry Robinson

Harry Robinson is a Software Engineer in Test for Google in Kirkland, Washington, where he tests products and coaches teams around the company in advanced automation techniques. His background includes 9 years at AT&T Bell Labs, 3 years at Hewlett Packard and most recently 6 years at Microsoft, where he was the Test Architect for the Engineering Excellence Group. He joined Google in March 2005.

He writes, speaks and teaches frequently on topics in software testing, maintains the Model-Based Testing Home page, and generally has a good time breaking stuff.

Session Speaker Bios

Mike Kelly

Mike Kelly is a test manager for Liberty Mutual. Mike also writes and speaks about topics in software testing. He is currently the President for the Association for Software Testing and is a co-founder of the Indianapolis Workshops on Software Testing, a series of ongoing meetings on topics in software testing, and a co-host of the Workshop on Open Certification for Software Testers. You can find most of his articles and blog on his website www.MichaelDKelly.com.

Antti Kervinen

Antti Kervinen is currently finishing his Ph.D. thesis at Tampere University of Technology in Finland. He is working in a research project that aims to bring model-based testing in practice in the domain of smart phones. Antti has been especially involved with test generation algorithms, tools, and domain specific modeling language design. He has a background from formal verification and he has been working in model-based testing for five years.

Sam Kalman

Sam Kalman is the Technical Writer and Test Advocate for OverTheEdge, based in Copenhagen, Denmark. He learned Session-Based Testing techniques during his time as a Test Lead at Quardev Laboratories. He was lucky enough to learn SBTM under the guidance of its co-creator and supporter, Jon Bach. His passions lie strongly in game development and game testing, where he continually studies opportunities for applying solid test methodologies like SBT Lite to the game industry.

Lydia Ash

Lydia Ash is currently a senior engineering manager at Google directing the testing of projects across a broad set of technologies. With small teams and fast-paced release cycles, she has worked with her teams to develop many techniques focused on effective and efficient testing. Lydia authored the highly renowned book The Web Testing Companion, and is an occasional speaker to groups and conferences communicating lessons learned from her first hand technical and management experience.

Ryan Gerard

Ryan Gerard is currently an SQA Engineer at Symantec. He has a BS in Computer Science and Engineering from UCLA, and is currently pursuing his Masters in Information Security. Ryan's particular specialties are in web technologies and security testing, although his interests span kernel-level technologies to process improvements to information theory.

Amit Mathur

Amit Mathur holds a B.S. in Computer Science from the University of Illinois at Urbana-Champaign and a M.S. in Computer Science at San José State University. He works as a Sr. Manager, SQA Engineering at Symantec Corporation. His research interests include software quality, test automation, and security.

Pat Schroeder

Patrick Schroeder is an Associate Professor in the Software Engineering program at the Milwaukee School of Engineering. Pat holds a Ph.D. in Computer Science from the Illinois Institute of Technology. Prior to joining academia in 2001, Pat worked in the software industry for 14 years. Pat spent seven years working at Baxter International as a software developer. Pat also spent seven years at AT&T Bell Laboratories where he was involved in testing and delivering telephone switches in the international marketplace. Pat is a past President of the Association for Software Testing.

Darrin Rothe

Darrin Rothe is an Assistant Professor in the Software Engineering program at Milwaukee School of Engineering. Darrin frequently teaches a course in unit testing as well as helped organize the MSOE Bug Stomp competitions for the last two years. Prior to joining MSOE, Darrin worked at Rockwell Automation and Marquette Medical Systems in various development roles including production testing.

Danny Faught

Danny R. Faught began working as a tester since 1992. He has been an independent consultant for the last 5 years. Danny is a columnist for Stickyminds.com, an occasional contributor to Better Software magazine, and has presented at several conferences, including STARWest, TISQA, PNSQC, Better Software, and Quality Week. He has a BS in Computer Science from the University of North Texas.

Doug Hoffman

Douglas Hoffman has over thirty years experience in software quality assurance and has earned degrees in Computer Science, Electrical Engineering, and an MBA. He is currently employed by Hewlett-Packard as a QA Program Manager. He is a Founding Member and a past Director of the Association for Software Testing. He has been a participant at dozens of software quality conferences and Program Chairman for several international conferences on software quality. He was among the first to earn a Certificate from ASQ in Software Quality Engineering (ASQ-CSQE), has been certified in quality management (ASQ-CQMgr), and is an ASQ Fellow. He is active as a Fellow of the ASQ, participating in the Silicon Valley Section, Software Division, and the Software Quality Task Group (SSQA), and is also a member of the ACM and IEEE. He is current Auditor and Past Chairman of the SSQA and is the Immediate Past Chairman of the Silicon Valley Section of the ASQ.

David Gilbert

David Gilbert is the president of Sirius Software Quality Associates, Inc., and a consultant on software testing. Over the last 7 years, he has worked with hundreds of companies, from small businesses to Fortune 100 members, providing training and consulting to help them meet their SQA needs. David is a regular contributor to several online forums, and participates in many local user groups in the Tampa, Florida area. He has presented at the Mercury World and STAR East conventions as well. Over the last two years, his company has worked to create a suite of tools to provide manual testers with the same level of organizational structure as is found in most modern automation toolsets.

Heather Tinkham

Heather Tinkham is an experienced software testing professional and business analyst with over 20 years in the software industry. She is constantly intrigued by new experiences in and approaches to software definition, development, and testing. A firm believer that the best solutions are dependent on the problem context, she has yet to work on a project that did not bring new insights in to the very human endeavor of delivering information systems. In her role as senior QA consultant at Object Partners, Inc., she is presently enjoying developing her mentoring skills and integrated manual and automated testing support for agile projects.

Cem Kaner

See below.

Tutorial Speaker Bios

Cem Kaner

Cem Kaner, J.D., Ph.D., is a professor of computer science at Florida Institute of Technology and Research Fellow at Satisfice, Inc. He is the founding editor of the Journal of the Association for Software Testing and one of the project leads in the AST's new Open Certification project. He is also developing an online course in Black Box Software Testing that will be available for free to AST members. Kaner is the lead author of three books, Testing Computer Software, Lessons Learned in Software Testing, and Bad Software (all from Wiley).

James Bach

James Bach is founder and principal consultant of Satisfice, Inc., a software testing and quality assurance company. His experience with competitive software development in leading Silicon Valley companies, such as Apple and Borland, led him to specialize in such aspects of the craft as "good enough" quality, risk-based testing, exploratory testing, and other techniques that require skill and judgment. He has also served as Chief Scientist at Software Testing Labs.

Robert Sabourin

Robert Sabourin has been involved in all aspects of development, testing and management of software engineering projects. Robert graduated from McGill University in 1982. Since writing his first program in 1972, Robert has become accomplished software engineering and SQA management expert and evangelist (don't tell me it can't de done!). He is presently the President of AmiBug.Com Inc; a Montreal-based international management consulting firm specializing in the implementation of "light effective process" to achieve excellence in delivering on-time, on-quality, on-budget commercial software solutions. AmiBug.Com provides management consulting, training and professional development directly and with various business partners.

Robert works with several major companies to establish software engineering teams, automate workflow to facilitate continuous software development in web based e-commerce applications, virtual online communities and multiple cross vendor integrated "e-commerce" for B2B and B2C applications.

Previously Robert was Director of Research and Development at Purkinje (3 years), which specialized in the development of sophisticated, client server, knowledge driven critical medical software used at the point of care.

As R&D Manager at Alis Technologies (10 years), Robert championed many complex international multilingual software development and globalization efforts involving several intricate business partnerships and relationships including international governments (Czech, Russia, Egypt, France, Morocco, Algeria…) and corporations (Microsoft, IBM, AT&T, HP, Thompson CSF, Digital, Olivetti…). Systems included concurrent coordinated multilingual multiplatform product releases.

Doug Hoffman

Douglas Hoffman has over thirty years experience in software quality assurance and has earned degrees in Computer Science, Electrical Engineering, and an MBA. He is currently employed by Hewlett-Packard as a QA Program Manager. He is a Founding Member and a past Director of the Association for Software Testing. He has been a participant at dozens of software quality conferences and Program Chairman for several international conferences on software quality. He was among the first to earn a Certificate from ASQ in Software Quality Engineering (ASQ-CSQE), has been certified in quality management (ASQ-CQMgr), and is an ASQ Fellow. He is active as a Fellow of the ASQ, participating in the Silicon Valley Section, Software Division, and the Software Quality Task Group (SSQA), and is also a member of the ACM and IEEE. He is current Auditor and Past Chairman of the SSQA and is the Immediate Past Chairman of the Silicon Valley Section of the ASQ.