Improve
your software testing
– and career –

in a supportive, community atmosphere.

ASTQB
Conference 2014

Community.
Authenticity.
Professionalism.

March 24-26, 2014
San Francisco

HYATT FISHERMAN'S WHARF

Tutorials	Conference and Exhibits
March 24	March 25-26

Why attend?

ASTQB Conference 2014

Learn to improve your software testing processes.
Enjoy the company of fellow ISTQB Certified software testers.
Build a professional network that will help your career for years to come.

The **ASTQB Software Testing Conference** in San Francisco this March 24-26, 2014 will give you:

Groundbreaking tutorials	**Thought provoking workshops**	**A spirit of community and authenticity**
that will enhance your approach to testing.	that will improve your efficiency in testing.	that will grow your love for testing.

This unique software testing conference will feature ISTQB Certification leaders from around the globe. See the schedule of conference sessions and speakers at **www.astqb.org/conference**.

Join us at the ASTQB conference.

You will leave with a new appreciation for your profession, and new ideas that will support your career. **Register now, as this conference is limited to the first 200 registrants.**

3 reasons your career needs the ASTQB Conference

The 2014 ASTQB Software Testing Conference

March 24 – 26, 2014

I want to invite you to the software testing conference that could forever change your career.

That conference is the first ever ASTQB Conference in San Francisco next March 24-26, 2014. The ASTQB Conference will feature some of the most prominent software testing speakers from around the world.

What makes this conference particularly special is its community emphasis and its intimate size: it is limited to only 200 attendees. Attend this conference and you won't just listen to the global experts – you will spend quality time with them. Of course, the benefits to you are enormous:

1. You will create global contacts that could help you throughout your career.
2. You will learn new ideas that will enhance your approach to testing.
3. You will experience a spirit of community and friendship that will grow your love for testing.

If you have any questions, don't hesitate to call ASTQB headquarters at 813.319.0890. More importantly, because time is of the essence due to capacity constraints, please be sure to register right away at **www.astqb.org/conference**. This is a once in a career opportunity to join the best and brightest to share our knowledge and experiences and learn from each other.

I look forward to seeing you in San Francisco.

Best regards,

Judy McKay, CTAL Full, CTEL-TM Full
ASTQB President

P.S. We are looking to make this one of the best software testing conferences we've ever attended. Please join us in learning, sharing and a little bit of commiserating. This should be fun.

Schedule & Speakers

With a limit of only 200 attendees, the ASTQB Conference gives you the opportunity to spend quality time with these expert speakers.

Build a professional network that will help your career for years to come.

Monday, March 24, 2014 — Tutorials

Tutorial 1 | Performance & Load Testing at a Glance!

8:30 AM – 4:00 PM

Response time issues, application slowdowns, bottlenecks, severe non-availability – whatever you can call them – are among the most challenging issues for IT organizations to detect, monitor, resolve and prevent from happening again.

A Performance Test is one the instruments that can be used to identify these issues, helping to avoid the catastrophic effects of application performance failures.

Needless to say that creating and conducting a "good-enough" load test is a challenge on its own and several conditions need to be met. During the years of field work, a methodology has been developed to address this challenge.

This 1-day workshop "Performance & Load testing at a glance" will give you a an overview of the performance testing types, addressing the most crucial challenges you might encounter, providing you a Performance Testing methodology and guidelines on how it can contribute to a successful performance test, including "Hands-on" – putting theory into practice!

ABOUT THE SPEAKER:

Mieke Gevers, CTFL has been in the IT industry for more than twenty years. She has developed a special interest in the techniques and processes relating to performance management and automated testing. Mieke is a regular speaker at conferences and organizations worldwide. She was on the Program Committee for the EuroSTAR conference in 2007 and 2009 and Program Chair of the Belgium Testing Days 2011 and 2012. Mieke co-founded the Belgian Testers Organization, and became a board member of KVIV of the ISTQB-affiliated Belgian Software Testing Qualifications Board.

Tutorial 2 | Growing Your Test Automation Approach – Free Tools to Commercial Tools

8:30 AM – 4:00 PM

In this session, Randy covers a variety of test tools, free and commercial, for each of the tool categories in the ISTQB syllabus. People struggle in test automation because they don't have a clear vision of what needs to be in place besides the tools, plus they try to achieve everything at once. In this full-day tutorial, you will start defining your test automation strategy using a planned organic approach. Tools covered will be for test management, test design, mobile, cloud, SOA, performance testing and others. The risks and benefits of open source tools will be discussed, as well as those for commercial tool sets. Also covered are the human factors in test automation such as acceptance, reasonable expectations of tool capabilities and time needed for positive ROI. You will leave this session with deeper knowledge of what is possible with test tools and a strategy for your own organization.

ABOUT THE SPEAKER:

Randy Rice, CTAL-Full has presented the "Free and Cheap" portion of this talk for the last 5 years at the Star conferences. The talk keeps changing, and it has become a very popular topic. He is known as the "Free and Cheap Tools Guy" and has spoken at testing conferences for over 20 years and has been using test tools for that long as well. He holds CTAL-Full ISTQB advanced level certification.

Tutorial 3 | Scaling Testing Best Practices to Small or Difficult Projects

8:30 AM – 4:00 PM

We are familiar with many of testing's best practices, but often a test manager is confronted with the difficulty of using those techniques when a project is not large.

Also, there can be challenging circumstances that make it difficult to know how to proceed.

This presentation/workshop will attempt to provide some concrete techniques and knowledge to enable the test manager to select the appropriate test techniques in order to overcome more challenging circumstances.

Bring your own "special" projects and contribute to the discussion!

ABOUT THE SPEAKER:

Tom Adams, CTAL-Full, CTEL-TM Full presented a very well received workshop along similar lines many years ago, but this will be a completely new presentation, with up-to-date techniques and approaches. He holds Full CTAL Certification as well as one of the first in the world to hold CTEL-TM certification.

Tuesday, March 25, 2014 — Workshops

Welcome & Opening Session | ISTQB Career Paths for Testers

8:30 AM – 10:00 AM

The ISTQB Certified Tester scheme has become established worldwide as the standard qualification in software testing. With over 300,000 certificates issued, the ISTQB is continually expanding its qualification scheme to meet the demands of industry and offer more advanced career paths for testing professionals. Two ISTQB leaders will present the current state of the art of ISTQB in terms of structure, contents, footprint, facts, figures, and provide further detail on the Add-on concept and the Agile add-on, as well as the roll out of the Expert Level series of specialist qualifications.

ABOUT THE SPEAKERS:

Judy McKay, CTAL Full, CTEL-TM Full is the current ASTQB President.
Gualtiero Bazzana, CTAL-TM, CTAL-TA is the Chair of the ISTQB Marketing Working Group.
Graham Bath, CTAL-Full is Chair of the ISTQB Expert Level Working Group. He has co-authored Advanced and Expert Level syllabi.

Register today at
www.astqb.org/conference

Mobile Testing and Its Part in Testing Tools

10:15 – 11:15 AM

The first part of this presentation will describe a case study of a mobile testing in a Knowit customer project. Mobile test automation was considered and utilized to some extent. Other necessary mobile testing approaches were used, including simulators and field tests. The mobile app usability, speed and functionality were proven in every continuous integration cycle successfully creating an app that the mobile users love.

The second part of the presentation combines the case study's understanding of mobile test automation tools into a testing tool survey Knowit conducted in the Finnish market during 2013. Testing tools by testing tool type and name are shown in 10-15 graphs. Conclusions are made about trends of different tool types and different tool acquisition strategies (commercial, open source, in-house). Mobile test automation choices are considered – large tool sets or specialized tools.

ABOUT THE SPEAKER:

Kari Kakkonen, CTAL-Full has an M.Sc. in Technology degree in Industrial Management from Aalto University. He has been working with testing tool implementations, testing processes, testing projects, consulting, and training since 1996. Kari has worked for various industries, including banking, telecom, embedded software, public sector, commerce. He works in Finland at Knowit, a Nordic ICT services company specialized in testing consultancy and software development. Mr. Kakkonen is Chair of the Finnish Software Testing Board (FiSTB), and a member of ISTQB expert level. He is also on the board of Finnish Association of Software Testers. He was listed in *Tietoviikko* magazine's 100 most influential people in IT 2010.

Collaboration Catastrophes Turned Celebrations of Success

10:15 – 11:15 AM

In the constantly changing software development environment, collaboration between teams can be one of the main deciding factors as to whether your teams are successful or not. Throughout this presentation, you will learn five keys to collaborating with your particular team and five keys to collaborating with other teams. You will also learn about two situations (one within a software product company and one within a software services company) where the lack of collaboration was nearly catastrophic. The presentation will close with very specific tips for avoiding such situations and becoming a collaborative environment.

This presentation will be beneficial for those in testing leadership positions or those aspiring to become leaders.

ABOUT THE SPEAKER:

AshLea Allberry, CTFL, Director of Service Delivery for Nanonation Inc., has made a career in the Software Product and Services spaces, leading company operations in a variety of capacities. Specializing in small to medium business growth of organizational and operational areas and personnel, AshLea has had the opportunity to lead in Quality Assurance and Development Management, Resource Planning and Utilization, Human Resources, Recruiting and Marketing. As part of her early career, she started a small software services company that later became an integral part of a larger partner company. Through these experiences, AshLea has been able to define many of the collaboration catastrophes that exist in countless organizations, coupled with solutions for successful resolution. AshLea is ISTQB certified and has promoted and implemented the exam process throughout two software organizations.

When Test Automation Fails

10:15 - 11:15 AM

Despite new technologies, better project management and controlled tool selection processes, we still see test automation projects fail. Why? Is it because of the tool, the framework, the people…? In this presentation Mieke Gevers, CTFL analyses the reasons for these failures and explores future directions, based on years of experience.

ABOUT THE SPEAKERS:

Mieke Gevers, CTFL has been in the IT industry for more than twenty years. She has developed a special interest in the techniques and processes relating to performance management and automated testing. Mieke is a regular speaker at conferences and organizations worldwide. She was on the Program Committee for the EuroSTAR conference in 2007 and 2009 and Program Chair of the Belgium Testing Days 2011 and 2012. Mieke co-founded the Belgian Testers Organization, and became a board member of KVIV of the ISTQB-affiliated Belgian Software Testing Qualifications Board.

Testing in the Cloud – Is it Right for You?

11:30 – 12:30 AM

Having your head in the clouds can actually be a good thing as testing in the cloud is not just for dreamers! Cloud testing has emerged as a viable alternative to complement or replace traditional testing platforms. Cloud testing offers several changes over traditional testing. It shifts the burden of installing, configuring, maintaining, and updating testing tools to the vendor. It also lessens or eliminates the need to build and maintain servers to support testing functions. Testing through the cloud expands the reach of testing across geographical locations, with potentially limitless testing capability. With all these benefits come some additional challenges: availability of a test

environment, security of test data, and connectivity to the test environment. Andrew Pollner provides insights on when cloud testing makes sense, how to best manage such an environment, adapting best testing practices from the cloud, how cloud testing affects your testing ROI, and where a hybrid solution can benefit you.

ABOUT THE SPEAKER:

Andrew Pollner is President and CEO of ALP International Corporation, a leading organization in the area of test process improvement and in the use of test automation tools to bring efficiency and effectiveness to the testing process, since 1993. As an early adopter of test automation and quality assurance tools Mr. Pollner has built a consulting and training practice serving major financial, insurance, healthcare, and telecommunications companies and government agencies to ensure their successful implementation of software testing and surrounding processes. Mr. Pollner has published articles on software testing and automation and regularly speaks at major national and international testing conferences, including: STAR (Software Testing Analysis & Review), EuroSTAR, USPDI, Mercury Interactive Worldwide, Verify, and the National Capital Area Software Testing Forum which he created and chairs. Mr. Pollner is the Vice President of the American Software Testing Qualifications Board (ASTQB) standardizing tester certifications in the US and chairs the Expert Level Test Automation Working Party for the International Software Testing Qualifications Board (ISTQB) worldwide tester certification body.

Tester's Tired Eyes

11:30 – 12:30 AM

An area in cross browser testing that is primarily left to manual labour is layout testing. In this presentation, a story of a science project will be shared in which the challenge of automating layout testing has been taken on. We will also discuss the current state of the art and methods of layout testing. You will learn: how good or bad is layout testing when done manually; what can you expect from an "average" tester who is checking layouts; methods for automated layout testing; challenges and solutions when automating layout testing.

ABOUT THE SPEAKER

Kaspar Loog, CTFL is the founder of Browserbite, a cross browser testing SaaS company. Kaspar has worked as a tester, programmer, requirements analyst, project manager, and sales director. Prior to founding Browserbite, Kaspar was the founder and CEO of Knowit Estonia, a leading test and quality assurance consultancy in Estonia. He is a frequent guest speaker in the prominent universities in his home country, Estonia. He mostly speaks about software engineering challenges and automating testing. Kaspar has a BA in Business Administration and MSc in Computer Science. He loves endurance sports.

Efficiency in Automation Testing

11:30 – 12:30 AM

As the need for more efficient testing grows, software automation has become the backbone of many test plans. But as the tasks become more complex, testers find themselves spending just as much time creating or updating automation tests as if they were doing it manually. Furthermore, many of these tests and their outputs are not easily readable by clients and other team members outside of the testing team. This presentation will show how testers can transform their automation to utilize the development concepts from Object Orient Programming, providing more efficient creation and maintenance in software testing. It will also show how this process can also produce automation scripts and results that are easy to understand by all project stakeholders.

ABOUT THE SPEAKER:

Robert Brown, a CTFL, is a Quality Analyst and Software Testing Engineer at Energy Enterprise Solutions. He has worked in IT for eight years, four of which have been specifically in the field of software testing and quality analysis. In the testing industry he has worked under RAD, Waterfall, Agile, and Hybrid SDLC and has helped convert project teams to an Agile process. Working with Fortune 500 startups and government contracting firms, he has designed manual and automated test plans for numerous private and public sector needs. This has given him a wide breadth of experience with current techniques in software testing as it relates to automation, agile, and team management.

Defect Sampling – An Innovation for Focused Testing

1:30 – 2:30 PM

As software testers, our job is to find defects in software. Unfortunately, there are no signs that read "Look for defects here." Too often, testers look for defects in ways that involve guesswork and superficial tests that may or may not be productive. Like gold miners, we are looking for small things hidden in a much larger population. The best gold miners drill samples to determine if gold is in the immediate area before investing time and money.

This presentation reinforces the idea that testing is sampling. Since we can't test everything, we need to know how and where to sample the things we test. Based on the results of sampling combined with the idea that defects tend to cluster, we can perform additional testing to find other similar defects.

These sampling techniques include random, functional, probability, risk analysis, clustering, domain testing, exploratory testing, and test metrics and dashboards.

ABOUT THE SPEAKER:

Randy Rice, CTAL-Full has over 35 years software development and testing experience, 25 years devoted specifically to software QA and testing. He has authored two books on software testing: *Surviving the Top Ten Challenges of Software Testing*, and *Testing Dirty Systems*.

Register today at
www.astqb.org/conference

Teach Testing to your Manager

1:30 – 2:30 PM

Today's IT Managers primarily come from Application Development disciplines and their appreciation and understanding of testing can be very skewed. As Test Managers it is our job to get our Management team to understand the role of testing within the organization and to understand the ripple effect of decisions made that impact the test team's ability to complete the assigned tasks and deliver a quality product.

ABOUT THE SPEAKER:

Mike Prisby, CTAL-TM, CTAL TA, CTEL-TM Full has 15 years of experience in leading, managing, performing, and implementing all aspects of Information Technology, focusing in Quality Assurance and Test Automation Development. He holds ISTQB Advanced Level certification for Test Manager and Test Analysis and was one of the first in the world to hold CTEL-TM Full certification.

Career and Organizational Development within a Software Testing Environment

1:30 – 5:00 PM

Chris Clark and Nate Shapiro will outline how they have implemented ISTQB Foundation into their onboarding process at Blizzard Entertainment. They will also discuss how they utilize the advanced ISTQB certifications at the Test Management and Engineering levels.

In addition, they will outline the training offerings for the various career tracks within the global testing organization they support. They will then assemble a panel made up of 5-6 Blizzard Entertainment software testing professionals, who will deliver a brief introductory presentation and then answer questions from the both the moderator and the audience.

ABOUT THE SPEAKERS:

Chris Clark has 20 years of management and executive level experience at Pitney Bowes, Imagistics, and Océ North America. In 2010 he joined Blizzard Entertainment as a Learning and Organizational Development Manager. He received his Bachelor's degree from Western New England University and a MBA from Johnson and Wales University.

Nate Shapiro started his career in the gaming industry in 2007. He's been involved in many different functions of the company including CS, QA, training, and recruiting. He has a Bachelor's degree in Business Administration from CSUF.

Agile Testing with Distributed Teams

2:45 – 3:45 PM

Many companies are faced with a situation of multiple agile teams in multiple locations, scattered around the world. Thus, they are faced with the challenge of how to conduct and run the agile ceremonies, and to communicate in the best effective way – challenges that testers and test managers are faced with every day.

This presentation will discuss the challenges that are brought when trying to run a test operation within agile teams that are distributed worldwide, and which possible solutions can be implemented to stabilize and make the best out of the situation.

ABOUT THE SPEAKER:

Alon Linetzki, CTAL-TM, CTAL-TA, founder and managing director of Best-Testing, has been a coach & consultant in development, testing and quality assurance for 28 years. Alon is a popular speaker at international conferences, and has coached and consulted professional engineers at all levels worldwide. His main domains are in Agile testing and Transition to Agile, Exploratory Testing, Test Process Improvement & Optimization, Risk Based Testing and Test Automation.Mr. Linetzki is a part of the ISTQB® authors and review team for the ISTQB® Agile Tester Add-on certification. He co-founded ISTQB® in Israel, leads the ISTQB® Partner Program and has established SIGiST Israel.

The "Real" Value of Software Testing

2:45 – 3:45 PM

Like so many other test engineers evolving towards management, test managers have a mostly technical oriented outlook at their work. This presentation provides a new and innovative vision to help test managers harness the organization's stakeholders support and sponsorship.

After challenging the audience on what "real" value the testing team can provide to the organization, the presentation highlights how testers and test managers can provide added value to stakeholders.

The presentation goes on to provide a five steps method to go from technical and short-term vision towards a long-term strategic vision that encompasses the whole organization, and ensure additional income to the organization.

By providing this focus on efficient and effective processes and value added organizational processes, this presentation offers a refreshing and stakeholders focused vision that helps test managers become real upper level managers.

ABOUT THE SPEAKER:

Bernard Homes is Founder & President of the French Software Testing Board, a former Member of the Board of IEEE France, and a Member of the IEEE Standards Association. He is the author of 2 books and over 30 magazine articles on software testing & quality. He is an ISTQB Advanced Level author (Vice-chair and former Chair of the Working Group). And he has 30+ years of experience in software industry with more than 15 years experience in software testing with practical experience in Safety Critical systems (Space, Helicopters, Telecom, Banking, Health, etc.).

Testing Insecurity

"How much testing is enough?" is a difficult question, even more so in trying to provide adequate confidence in the security of a software-dependent system.

This presentation will consider insights from software reliability engineering that might help inform the allocation of appraisal resources as well as making data-based release decisions.

ABOUT THE SPEAKERS:

Taz Daughtrey is a Senior Scientist at Quanterion Solutions, leading software engineering activities at the Cyber Security and Information Systems Information Analysis Center. He is now a Research Fellow in the Computer Science Department at James Madison University, where he has taught since 2001. Taz is a Fellow of the American Society for Quality, the Founding Editor of the peer-reviewed journal Software Quality Professional, and a Director of the American Software Testing Qualifications Board. His previous twenty years in industry included responsibilities as Quality Manager and Chief Security Officer, as well as a number of roles in software development, training, and quality improvement in commercial and naval nuclear manufacturing and engineering.

Patricia A. McQuaid, Ph.D., CTAL, CISA is a Professor of Information Systems at California Polytechnic State University. She has over 25 years of experience in software engineering, is an educator, consultant, and trainer. Her research interests include software testing, software quality, project management, software security, and software process improvement. She has a doctorate in Computer Science and Engineering, an MBA, and an undergraduate degree in Accounting. Patricia is a Certified Information Systems Auditor (CISA), and a Certified Tester – Foundation Level (CTFL), through the ISTQB. She is the co-founder, Past-president, and a Director of the American Software Testing Qualifications Board (ASTQB). She is a member of IEEE, and a Senior Member of the American Society for Quality (ASQ). She is an Associate Editor for the Software Quality Professional journal, and also participates on ASQ's Software Division Council. She is the Program Chair for the Americas for the World Congress for Software Quality (WCSQ).

Effectively Communicating the Quality Message During (and After) Testing

We've all faced the same problem; management asks us to share the status of testing. Invariably, the discussion leads to providing an assessment of the quality of the application. Without data, one person's "Great!" is another person's "Horrible!" Subjective answers are confusing, misleading and can't be backed up or justified. People's opinions are affected by past experiences, biases, personal likes/dislikes, and various tolerance levels.

Over the last eight years, the speaker has developed a communication medium that communicates:

1. The current status of testing
2. Bottlenecks that may impact the completion of the test effort
3. An assessment of the release's quality compared to the previous deployed release

As a result, the message communicated is not opinion; rather it is based on concrete data. Recently, we've utilized a subset of this information to report on the status of all Enterprise Release initiatives within our portfolio.

ABOUT THE SPEAKER:

Michael Wasielczyk, CTFL has over 27 years experience in the areas of Software Testing, Quality Assurance, Metrics, Process Improvement and Project Management. In his current assignment, he is responsible for the successful implementation of the software testing practice across UPS' Customer Technology Portfolio. In this role, he works with Senior Management and QA teams to implement and improve the test maturity of QA teams. Prior to working at UPS, he was responsible for pursuing SEI-CMM Certification as the SEPG Lead for Nichols Research.

Wednesday, March 26, 2014 — Workshops

Introducing Combinatorial Testing in Large Organizations – Lessons Learned

Combinatorial testing has been shown to reduce test costs substantially for many application domains, while improving test quality. But introducing new test methods in an established process can be very costly. This talk explains combinatorial testing and the experience of large organizations that have used it, including results of a 2-year study at one of the world's largest aerospace firms.

ABOUT THE SPEAKER:

Rick Kuhn is a computer scientist in the Computer Security Division of the National Institute of Standards and Technology. He has authored two books and more than 100 publications on information security, empirical studies of software failure, and software assurance, and is a senior member of the IEEE. He co-developed the role based access control model (RBAC) used throughout industry and led the effort establishing RBAC as an ANSI standard. Previously he served as Program Manager for the Committee on Applications and Technology of the President's Information Infrastructure Task Force and as manager of the Software Quality Group at NIST. Before joining NIST, he worked as a systems analyst with NCR Corporation and the Johns Hopkins University Applied Physics Laboratory. He received an MS in computer science from the University of Maryland College Park, and an MBA from William & Mary.

Register today at
www.astqb.org/conference

Practical Transition: From Traditional into an Agile Tester

10:15 AM – 2:15 PM

Many companies are changing into Agile ones but many choose to implement only part of the Agile practices, leaving their teams with multiple challenges in many areas.

In the workshop, we shall discuss those challenges focusing on the testing day to day activities, how testers can make an effective transition into Agile and how can we add value within Agile teams.

ABOUT THE SPEAKER:

Alon Linetzki, CTAL-TM, CTAL-TA, founder and managing director of Best-Testing, has been a coach & consultant in development, testing and quality assurance for 28 years. Alon is a popular speaker at international conferences, and has coached and consulted professional engineers at all levels worldwide. His main domains are in Agile testing and Transition to Agile, Exploratory Testing, Test Process Improvement & Optimization, Risk Based Testing and Test Automation. Mr. Linetzki is a part of the ISTQB® authors and review team for the ISTQB® Agile Tester Add-on certification. He co-founded ISTQB® in Israel, leads the ISTQB® Partner Program and has established SIGiST Israel.

Metrics Are for Action

10:15 AM – 2:15 PM

When implementing software quality metrics, we need to first understand the purpose of the metric and who will be using it. Will the metric be used for measuring people, the process, illustrate the level of quality in software products, or drive towards a specific objective? QA managers typically want to deliver productivity metrics to management while management may want to see metrics that support customer or user satisfaction. Software quality metrics without actionable objectives toward increasing customer satisfaction are a waste of time. Learn how to connect each metric with potential actions based on evaluating the metric. Metrics just for the sake of information, while helpful, often just end up in spreadsheets that no one cares about. Take home methods to determine metrics that support actionable objectives. Once the metrics and their objectives have been established, learn how to define metrics and use metrics for real improvement.

ABOUT THE SPEAKER:

Philip Lew is leading the direction and strategy of XBOSoft as its CEO. With twenty years of experience in management and technical positions in software development and product management, Philip has worked with hundreds of organizations to assess the quality of their software, examine software quality processes, and set forth measurement plans to improve software quality using systematic methods. His PhD research in software quality and usability has been published in several IEEE and ACM journals and in various trade journals as well. Philip is a frequent conference speaker. A CTFL certified tester, he received his B.S. and Master of Engineering degrees in Operations Research from Cornell University. His research on software quality and usability measurement can be mostly accessed publicly at: http://www.informatik.uni-trier.de/~ley/pers/hd/l/Lew:Philip

Cloud Computing for Software Testers: What You Need to Know

10:15 AM – 2:15 PM

Cloud computing is here and is changing the way we test software. Cloud-based testing offers lower cost, on demand, pay-per-use infrastructure services, flexibility, scalability, and other benefits. It also provides many challenges.

In this tutorial, Dr. Parveen explains the concept of cloud based testing, its scope, distinct requirements, and benefits. She then discusses some of the areas of cloud computing that are specifically of interest to software testers, such as the cost and effort of provisioning dynamic test environment and tools, test processes and QoS standards, the cultural and process changes that are necessary for adoption of cloud testing, creating and executing test cases for and in the cloud, and continuous monitoring and analysis of test results. This tutorial also includes exercises that illustrate some of the concepts discussed.

ABOUT THE SPEAKER:

Tauhida Parveen, PhD, CTFL is an independent consultant with an emphasis on cloud computing and software testing. She has a PhD from the Florida Institute of Technology. She is an ISTQB Foundation Level certified tester and an instructor. She has extensive experience as a QA Engineer and a QA Analyst with organizations such as WikiMedia Foundation, MEI, Yahoo!, Sabre, and Progressive. She is the co-author of the book *Software Testing in the Cloud: Migration & Execution* (Springer, 2012). She is also the co-editor of the book *Software Testing in the Cloud: Perspectives on an Emerging Discipline* (IGI Global, 2012).

Going Over the Waterfall: A Survivor's Guide to Agile Testing

2:30 – 3:30 PM

Many software companies today are either considering, or have begun the process of, using agile models as part of their development mix. Others, who have already done so, have learned that it is not plain sailing.

Moving to agile is not only a development upheaval, it is a huge transition for testers and test teams who, in many cases, have worked exclusively with waterfall models. This presentation is a 'warts and all', real-life story about setting up a test team based solely on testers with waterfall backgrounds. It reveals how that that team has subsequently evolved, through many trials and tribulations, into a premier test group.

Chris Clements, CTAL-TM works as a Senior Test Manager for a payments company. He has over 15 year's experience within the software testing field working through various testing roles within various companies. Chris is also a member of the Irish Software Testing Board. Chris is a passionate advocate of 'smart testing, not exhaustive testing' and has a proven track record in test improvement and quality initiatives. He is also a firm supporter and practitioner of Session Based Testing and promoting this concept. Working within an agile environment, he has embraced the concepts of agile for the testing discipline and has been integral in re-

defining traditional testing practices to accelerate quality within the companies he has worked for. Previous experience at companies such as Liberty Information Technology, 3Com and Nortel Networks all within the testing sector have helped him establish a sound testing knowledge. Chris also maintains a blog where he shares his thoughts on various testing topics. Chris also co-wrote an article with Gerry for "Testing Experience." In addition, he has written a recent article for EuroSTAR online.

Gerry Coleman, CTFL is currently a member of the Computing faculty at Dundalk Institute of Technology, Ireland and has a PhD for an industry-based study on Software Process Improvement Practices. He is a member of the Irish Software Testing Board and holds the ISTQB CTFL Certificate. Gerry has a number of years' industrial experience in the financial sector working in software development and business analysis roles. He has presented over 30 conference papers worldwide, including at IEEE and ACM-sponsored events. He won the prize for best conference paper at EuroSPI 2005, and was joint author of the best conference paper at ICSOFT 2006. He has presented at several Software Engineering and Software Process Improvement conferences in the past few years and recently had an article entitled 'Making the Move Into Agile Testing' published in 'Testing Experience' magazine.

Risk Based Testing in Action

2:30 – 3:30 PM

Since testing is potentially an infinite activity, we need a way to focus on the most important areas to test. Risk-based testing provides a rational, stakeholder-driven basis for selecting what to test, in what order, and how much – and, by extension, what we don't have to test. Join this discussion to hear about how one large enterprise software company put risk-based testing into action worldwide.

ABOUT THE SPEAKER:

With thirty years of software and systems engineering experience, **Rex Black, CTAL Full, CTEL-TM Full** is President of RBCS, a leader in software, hardware, and systems testing. For almost twenty years, RBCS has delivered consulting, outsourcing and training services in the areas of software, hardware, and systems testing and quality. Employing the industry's most experienced and recognized consultants, RBCS conducts product testing, builds and improves testing groups, and provides testing staff for hundreds of clients worldwide. Ranging from Fortune 20 companies to start-ups, RBCS clients save time and money through higher quality, improved product development, decreased tech support calls, improved reputation, and more. As the leader of RBCS, Rex is the most prolific author practicing in the field of software testing today. His popular first book, *Managing the Testing Process*, has sold over 50,000 copies around the world, including Japanese, Chinese, and Indian releases, and is now in its third edition. His ten other books on testing, *Advanced Software Testing: Volumes I, II, and III, Critical Testing Processes, Foundations of Software Testing, Pragmatic Software Testing, Fundamentos de Pruebas de Software, Testing Metrics, Improving the Testing Process,* and *Improving the Software Process* have also sold tens of thousands of copies, including Spanish, Chinese, Japanese, Hebrew, Hungarian, Indian, and Russian editions. He has written over forty articles, presented hundreds of papers, workshops, and seminars, and given about fifty keynotes and other speeches at conferences and events around the world. Rex is the past President of the International Software Testing Qualifications Board and of the American Software Testing Qualifications Board.

Getting Your Test Team Certified!

2:30 – 3:30 PM

We want our test teams to be professional, knowledgeable, and respected. We want them to take pride in their work, and bring their talents to the mission each and every day.

We also want a way to assess their current strengths and weaknesses in an objective way, so we know where we need to work on as a testing organization, and where to use each individual in order to maximize their effectiveness.

This presentation will show how to use the current certification infrastructure to help your organization accomplish all of those things, and some other benefits as well.

ABOUT THE SPEAKER:

Tom Adams, CTAL-Full, CTEL-TM Full is the primary trainer for IT at Cabelas, covering HP ALM, Requirements, and Testing. He holds Full CTAL Certification as well as one of the first in the world to hold CTEL-TM certification.

"The ASTQB Awful Bug Contest"

3:45 – 5:00 PM

So maybe your software bug wasn't responsible for crashing the Mars Rover, but we are betting you've encountered some good ones in your career. This is your chance to gain the accolades of your peers for presenting the worst bug you've ever found. We won't make you admit if it was found in production or not because that would just be embarrassing.

Here's the challenge. ASTQB is having a contest to find the most awful bug. This could be one that caused rude email to be sent to your customers, caused the NYSE to shut down for a day or was just an interesting outcome from bad software. If you think you have a bug worthy of being called awful, please complete the entry form found at the first day of the conference. At the closing session of the conference, we will be reading the descriptions of the top 10 most awful bugs and a highly qualified committee (with their own wealth of experience with awful bugs) will determine the winning entry. The person submitting the most awful bug will receive a great prize – and the sympathy of their fellow testers.

ASTQB - ISTQB in the U.S.
12000 N. Dale Mabry Hwy., Suite 110
Tampa, FL 33618 USA

Improve your software testing — and career.

Register now. Prices increase January 15th.

Improve
your software testing
– and career –
in a supportive, community atmosphere.

Register now. Prices increase January 15th.

ASTQB
Conference 2014
March 24-26, 2014 | San Francisco