

SIGIST Israel welcomes you

Dear SIGIST members, testing colleagues, honorable guests, ladies and gentleman.



For the first time ever, SIGIST Israel, the Israel testing forum, is running a full 4 days professional testing conference. This is the first time this format is running in Israel for a testing conference, and we all should be proud to be a part of this great opportunity done for our community. This is the time to thank our founder sponsors, that have helped us come this far ITCB (Israeli Testing Certification Board) and the SELA Group.

We have gone through a long road in SIGIST Israel, coming to where we are now. We started a very small group of testing crazy people, in the year 2000, interested in talking on mutual testing issues, we grow up to be 130-140 people in each evening conference, 2-3 years later, supported already by big names like HP-Mercury, Rational-IBM and RadView. After a few years of drawback due to the whole IT industry situation in Israel - We are back again!

Thank you the 100 SIGIST new members that joined the SIGIST Israel from the beginning of 2007, thank you for the ones that are joining now during this conference, and thank you for all the others that are supporting us.

This conference is made up by you and for you. Most presentations and tutorials are presented by members of our testing community thank you track chairs and speakers! We have 2 presentation days (10-11 July) with 22 track presentations planned, in addition to 4 key note presentations. We have 2 special presentations (testing challenging game and the creativity workshop). All is running in 3 parallel tracks of interesting testing topics such as: testing techniques, testing process improvement, test metrics, test management, performance & Load testing, and more. I'm proud to say that on the first 2 tutorial days (8-9 July) we have 8 tutorials (a one day seminar each), with a few of the finest speakers in Israel and from the world (USA, India, France and UK).

We are going to have the SIGIST Israel Testing Expo, with booths from testing consulting companies, testing tools vendors, and others that will show us what are the new services and tools we can use daily in our profession.

We have been given a great honor this year, to host the ISTQB general assembly, and we expect more than 20 representatives from most ISTQB national boards to come to Israel. Thank you ISTQB for this honor, and for this support.

In short a great testing happening and festival, very high level of professional tracks and tutorials, high exposure to the best services and tools in testing that exist in Israel. See you all in the first international SIGIST Israel Conference 8-11 July 2007.

Alon Linetzki
SIGIST Israel Chair

Dear SIGIST Conference speakers and guests Congratulations!!!



The first Israeli International SW testing conference - Our Dream is on the way. I believe this event will be a major milestone in Israel SW testing history and will contribute to self-awareness of our testing society.

Lot of thanks to all the people that helped us making this dream a reality, to speakers, sponsors and of course to you - our guests. I'm looking forward to a great start one that will become a tradition and will benefit the Israeli SW testing community year over year.

Yan Baron
Program Chair

The SIGIST Israel Story

SIGIST Israel was founded in June 2000, by Mr. Alon Linetzki, and was self sponsored, for the first 3 meetings. Today, after many meetings, out of which several were sponsored by RadView, Rational and Mercury, SIGIST Israel, is reorganizing. SIGIST Israel is now managed by three board members: Yan Baron PLM Testing and CS manager from Aternny, Rami Ben Ari Director QA and Testing from Intel Haifa, and Alon Linetzki Director Testing Services & Solutions from SELA Group.

With the support of ITCB - Israeli Testing Certification Board, SIGIST Israel is striving to impact the Testing Community, open new professional knowledge sharing channels for test engineers and test managers.

SIGIST Israel meets every quarter, and the meetings are usually sponsored by testing companies, quality assurance companies and tool vendor companies. The main sponsor of SIGIST Israel is a solution based company called the SELA Group: the biggest training center in Israel that has a software house to support its training activities.

SIGIST Israel purpose and goals are to create a place in Israel were testing professionals can meet, speak on common issues, suggest solutions to common problems, and be a place were they can come up with a request for an answer, and get it!

SIGIST Israel organization, with the support of the ITCB, aims to be the driving force and the trigger for recognition for the testing profession in Israel and is hoping to increase the awareness toward certification for the different levels of testing (using ISTQB certification scheme). SIGIST Israel is reorganizing its English-web site (www.sigist.org.il) that will be available for all.

TUTORIAL PROGRAM

8.7.2007

speaker name	Tutorials
Bernard Homés Tessco	Successful Offshore
Yaron Tsubery Comverse	Performance & Load: to Join Efforts and Reach the Everest Peak
Ofet Prat BMC	SW modeling technique for testers
Vipul Kocher Puretesting	Q-Patterns



Successful Offshore



Abstract:



Offshoring and subcontracting offshore becomes more and more attractive, mostly for financial reasons. Whether one is “offshoring to” or “offshoring from” risks are present and must be managed. Often offshore risks are not taken into account, either due to involuntary blindness or due to un-awareness. This training, based on experience gained with different customer, aims at evaluating the different risks and providing mitigation solutions to minimize the risks and maximize the chances of success of outsourced projects.

As testing is on the critical path of projects, offshoring tests is an added risk that has to be taken into account and mitigated. After this presentation participants will be aware of the many risks associated with offshore subcontracting. Participants will have acquired a list of items to track, and solutions to implement that should enable them to ensure success of their off-shore projects.

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Founder and principal consultant for TESCO ltd (Tests Evaluation Service & Solution, Conseil & Organisation limited), Bernard Homès is also member of the board of IEEE in France and of various IEEE standards association workgroups. With 25+ years in software development and testing in the banking sector and with different consultancies, he set up the TESCO group in Europe and Canada. After helping a major Canadian customer in setting up a test center specializing in health care soft-ware certification, offering consultancy services for a major French telecom company, and providing software quality assurance for a French satellite solutions providers, Bernard provides project quality assurance services for a leading helicopter manufacturer. A speaker at different international conferences and universities, Bernard provides software testing trainings and consultancy services worldwide.

9.7.2007

speakers		Tutorials	
Shiri Gal Polycom Israel		Agile testing - from concepts to practice	
Rex Black RBCS		Assessing your Test Team Effectiveness, Efficiency, and More	
Michael Stahl Intel		Paper Bugs are Best Bugs: Decreasing SW Defects through Better Written and Reviewed Requirements	
Bernard Homès Tessco		Introduction of Critical Systems Quality	

TUTORIAL - Day I - 8/7/2007

Performance & Load: to Join Efforts and Reach the Everest Peak

[Yaron Tsubery and Efi Bruker, Comverse](#)



Yaron Tsubery



Efi Kriger

Abstract

Load & performance, belong to the top ten list of most freighting words in software development especially when it comes to the point of sale of your product at times of extremely competitive market. One word that is really frightening is the word - STRESS (doesn't it give you the shivers just hearing it?). This tutorial will get you acquainted with the terms in subject and will donate to your understanding of the whole desired process stages, from Sales meetings through Design and architecture, Ways of implementation, Testing aspects and finally presenting results and reports. A part of the process you'll be advised about ways to be aligned with your customer's expectations, this means that you'll need to know and control the required lingo of the load profession, whether you're a sales person, developer or a test engineer (eg. usage & traffic model, throughput etc). You'll be exposed to design and architecture solutions among special guidelines for code writing and implementation. The load test engineers will understand better what the required information to initiate load & performance is: what to search for and how to improve their testing coverage, how & what to report and present in order to give an added value to those who make the decisions.

This practice is focused on projects of complex systems, delivered to telecommunication companies under restricted rules and stiff exit

Yaron Tsubery BIO:

Yaron is the Director QA & Testing manager in Comverse for the past 6 years. He is in the software area since 1990 and 14 years in testing field as Test Engineer, Testing TL and Testing Manager and his profession is also a System Analyst. Yaron is a formal member in ISTQB and the President and founder of the ITCB.

Efi Bruker BIO:

Efi is a Director R&D manager in Comverse for the past 7 years. He is in the software area since 1995 and all of them in development field as Development Engineer, R&D TL and R&D Manager. In the last years he is involved as a designer and leading the build of large and complex systems in the Mobile web area and for the TV application. Criteria elements, among tense delivery timelines.



SW Modeling Tech for Testers

[Ofer Prat, BMC](#)

Abstract:

Models are simple representations of complex systems. They focus on an aspect of a system, and clarify it using conventional notations shared by all project participants. Software testers can use models to better communicate with product managers, developers and between themselves. We can also use it to analyze the system under test, gaining clear understanding of its structure and behavior.

This presentation/Tutorial covers a range of software modeling techniques that can be used by software testers, including UML diagrams, Decision tables, classification trees, Flow charts, Entity-Relations Diagram and more.

For each model we will discuss:

- What aspects of the product are covered by it
- What test data can be derived out of it
- What test techniques are most relevant for this model

BIO:

Ofer is a test manager with a strong tendency to the technical side. He admits to be one of the lucky ones who happen to work in their hobby. His team covers functional tests, performance tests, IT administration and test automation. They are testing an advanced and complex business service management product, developed as an in-house start-up within big BMC Software.

TUTORIAL - Day 2 - 9/7/2007

Q-Patterns for Reusable Test Cases

Vipul Kocher, Puretesting



Abstract:

You can think of Q-Patterns as a structured set of questions (tests) about the different aspects of a software application under test. They are questions about the system that are categorized, grouped, sorted, and saved for reuse. These Q-Pattern questions can be written ahead of time and stored in a repository of test case templates, developed for requirements and design reviews or built in real-time as a way to both guide and document exploratory testing sessions.

See examples of Q-Patterns that have been developed for error messages, combo boxes, login screens, and list handling. Learn how to associate related Q-Patterns and aggregate them into hierarchical and Web models. Take back the beginnings of Q-Patterns for your test team and organization.

- Shareable and reusable test case designs
- Templates to organize requirements and design reviews
- A tool for capturing exploratory testing experiences

$$\text{B}|\ddot{\text{O}}:$$

Vipul Kocher has more than a dozen years of testing experience including managing of Acrobat Reader on multiple platforms. He has led teams for various types of products on various technologies including networking, client-server, mobile devices and desktop applications. He is also the president of India Testing Board, an ISTQB approved national board of India.

He holds a Bachelors Degree in Electrical Engineering and Masters Degree in Computer Technology from IIT Delhi.

He has presented papers and tutorial in various international conferences. His papers have won best paper award at STAREast 2006 and EuroStar2005 Logica CMG Triple star award for "most original contribution."



Agile testing - from Concepts to Practice

Shiri Gal, Polycom Israel

Abstract:

"Exploratory software testing is a powerful approach, yet widely misunderstood. In some situations, it can be orders of magnitude more productive than scripted testing."

- James Bach, Exploratory testing explained.

Drawing on first-hand examples of bug reports, Shiri Gal uses this workshop to reveal tips and techniques for capturing the nasty bugs you won't always find in scripted testing. You'll learn how to use past bugs - both in your system and in other systems - to design tests that find future bugs. Since a good bug hunt starts with a map of the testing territory, you'll also learn to use simple diagramming techniques to gain better understanding of your software.

Shiri also demonstrates a collection of simple test assistance tools. This hands-on, highly interactive workshop gives you the opportunity to practice these bug hunting techniques in a fun yet challenging atmosphere.

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Shiri Gal is a Director of QA at Polycorn Israel. He specializes in software quality assurance and test management. He has more than 10 years of experience in quality engineering over embedded systems, leading large testing and QA teams.

Shiri is a member of the Advisory Board of the Israeli Test Certification Board (ITCB).

TUTORIAL - Day 2 - 9/7/2007

Assessing your Test Team Effectiveness, Efficiency, and More

Rex Black, RBCS



Abstract:

As a test manager, you're probably looking for ways to do better and ways to demonstrate your team's value and to find ways to improve it. This tutorial delivers. You'll learn techniques to assess your team that are driven by insightful questions and careful data analysis. By applying the ideas in this tutorial to each of the twelve critical testing processes, you'll know where you and your team stand.

This one-day tutorial is very hands-on. There is minimal lecture material, and the presenter will use that material primarily to stimulate discussion. After each process is discussed, attendees will work through exercises that estimate performance metrics for their own test teams. After each exercise, attendees have a chance to discuss their results.

BIO:

With over 20 years of software and systems engineering experience, Rex Black is President and Principal Consultant of RBCS, Inc. RBCS provides testing experts world-wide in training, assessment, consulting, staff augmentation, insourcing, off-site and off-shore outsourcing, test automation, and quality assurance roles for clients such as Adobe (India), ASB Bank, Bank One, Cisco, Converse, Dell, Hitachi, the US Department of Defense, NDS, Schlumberger, and Williams Communications.

His first book, *Managing the Testing Process*, which has sold over 23,000 copies on six continents, is now in an expanded and updated second edition from Wiley. Addison-Wesley published his second book, *Critical Testing Processes*, in late 2003. It has already sold thousands of copies, including Indian, Japanese and Russian editions. He has also written over 20 articles, presented hundreds of papers, workshops, and seminars, and given over a dozen keynote speeches at conferences and events around the world. Rex is the President of both the International Software Testing Qualifications Board and the American Software Testing Qualifications Board.

TUTORIAL - Day 2 - 9/7/2007

Paper Bugs are Best Bugs: Decreasing SW Defects Through Better Written and Reviewed Requirements

Michael Stahl, Intel



Abstract:

Test Professionals can have high impact on software quality through effective review of software requirements specifications prior to coding. Effective reviews can only be conducted after learning the attributes of a well written requirement. In addition, understanding the review process can help testers become better reviewers. This one day tutorial contains two parts.

In the first part, it will:

- Teach the student the attributes of good requirements, and the common pitfalls in written requirements
- Introduce the structure and syntax of a good requirement
- Explain the difference between functional and non-functional requirements
- Demonstrate the use of Constrained Natural Language to improve the quality of requirements
- Teach techniques that can be used immediately by students to identify deficiencies in requirements with examples culled from actual requirements documents
- Include hands-on practice in writing functional and non-functional requirements for a small application.

The second part of the tutorial encompasses the review process.

The material includes:

- The theory of document review process
- Overview of various Review types
- The role of Testers in requirements review
- A hands-on review session of Architecture and Requirements documents of a sample feature.

BIO:

Michael Stahl is a Senior SW test engineer at Intel.

A 17 years veteran, Michael is a technical leader in a SW test group, validating the software that controls the wireless component of Intel's Centrino platform.

Before starting his career in SW testing (in 2000), Michael worked at Intel's manufacturing facility in Jerusalem, Israel, as a chip-level test engineer. Michael is a member of the Executive Board of the Israeli Test Certification Board (ITCB), and chairs the Advisory board of this organization.

TUTORIAL - Day 2 - 9/7/2007

Introduction to Critical System Quality

Bernard Homés, T essco



Abstract:

Critical systems are either complex integrated “systems of systems”, or small sub-systems (components) the quality and performance of which are critical to the quality and performance of a larger system. Depending on the definition applicable to your “critical system”, the focus and tasks will vary. Time-to-market or cost, as well as any characteristic described in ISO9126, can be considered “critical” and will lead to specific activities.

When designing critical systems, one has to take into account manufacturing and hardware related aspects, and obsolescence of components. It of course has a strong impact on software testing and qualification. This course focuses on the different areas and tasks necessary to introduce Quality in your critical projects and products.

After this presentation, the manager participant will be able to define the basic “critical” areas of his/her project and systems, and have a set of solutions from which to choose from to implement a minimal level of quality. The specialist participants will be able to create test strategies that will enable them to test and qualify critical systems. The training will help the participant in identifying risks, define mitigation strategies and setting up solutions to introduce quality in these systems.

SPECIAL SESSIONS

Creativity Workshop

Eyal Zohar

"If you can Dream it, you can do it" (Walt Disney).

How many times have we found ourselves with a problem or a challenge that we can't solve thru regular means?

How many of us came across an original idea or product wondering "why didn't I think of it before"?

Are we all creative? Why children are considered creative?

And the key question - how can we improve our creativity?

This presentation will answer those and other questions by using practical tools that could assist us in all of life's aspects - career, managing, team work and personal growth.

"He who thinks that it's impossible to improve his creativity is right it's impossible to improve his own"

Presentation topics:

- Prologue what is creativity? Examples, drills (need a better word) and features.
- Principles of creativity improvement "how didn't I think of it before"?
- Creativity techniques the 6 hats, 7 what, worst idea and more

Note: Participation for this in the special sessions requires a registration on the conference fay at the registration desk.

The Testing Challenge Game

SiGiST Israel invites you to try out your testing skills at the Testing Challenge game. Test yourself and find out how you rank against fellow testers.

The contestor who scores the highest will win a valuable prize.

Note: Participation for this in the special sessions requires a registration on the conference fay at the registration desk.




Day 3 - 10/7/2007

09:00-09:30	Opening words	Alon Linetzki, SIGiST Israel Chair David Bassa, CEO, SELA Group			Alon Linetzki, SIGiST Israel Chair Yaron Tsubery, President, ITCB		
09:30-10:30	Key note 1	Details later on			Details later on		
10:30-11:00	Break	See the SIGiST Testing Expo					
11:00-11:45	Presentation 1	Test Management	Testing Techniques	Test methodology	Test Metrics	Performance & Load	Test Management
	Building & Leading a QA Organization. Shmulik Knishinsky Interwise	Automation from Day One Offer Prat BMC	V Model - Adding Real Value to the Test Process Geoff Thompson	Product Quality From Guessing to Knowing Rachely Mendelovich Converse	Good Practice Noam Zilberman andocs	Test Design and Execution in ALM Shai Koenig Converse	
11:45-12:00	Break						
12:00-12:45	Presentation 2	PLM-Under Hood. Rami Azulay Orcanos	Extension of "Noun and Verb" Technique Vipul Kocher Puretesting	Using Quality Center as an Enterprise Methodology Tool Sarit Klugman Consultant	TEA - Test Escape Analysis Ganit Goren Polycom	XML Tester Tool for Performance Oren Zehavi Polycom	Integration of Systems of Systems Bernard Homés Tessco
12:45-14:00	Lunch	See the SIGiST Testing Expo					
14:00-15:00	Key Note 2	Ten Worst Things Rex Black, President, RBCS			Details later on		
Tracks:		Test Process Improvement	Test Design	Test Management	Risk Based Testing	Test Automation	Test Management
15:00-15:45	Presentation 3	Improvement of the Testing Process using the TPI® Model Alon Linetzki SELA Group	Scripted Testing and Exploratory Testing Amos Uzan BMC	Customer Bugs Analysis Ester Zabbar BMC	Risk Management on a Shoe String Bernard Homés Tessco	Test Automation Using Building Blocks Omer Shita BMC	The Management Behind Test Management Amir Shoval NDS
15:45-16:00	Break						
16:00-16:45	Presentation 4	Test Process Improvement a Real Life Case Study Geoff Thompson Experimentus	The Enemy Within: Testing Windows Registry Keys Michael Stahl Intel	The Testing Challenge Game	Model Driven Testing. Micheal Kzakov Metaphor Vision		
16:45-17:00	Closing Words	Alon Linetzki, SIGiST Israel Chair			Alon Linetzki, SIGiST Israel Chair		

• Program may have changes • International speakers will conduct their session in English • Israeli speakers will conduct their session in Hebrew

Day 4 - 11/7/2007

Alon Linetzki, SIGiST Israel Chair Yaron Tsubery, President, ITCB			
Details later on			
See the SIGiST Testing Expo			
Test Metrics	Performance & Load	Test Management	
Product Quality From Guessing to Knowing Rachely Mendelovich Converse	Performance & Load Good Practice Noam Zilberman andocs	Test Design and Execution in ALM Shai Koenig Converse	
TEA - Test Escape Analysis Ganit Goren Polycom	XML Tester Tool for Performance Oren Zehavi Polycom	Integration of Systems of Systems Bernard Homés Tessco	

See the SIGiST Testing Expo

Details later on

Risk Based Testing	Test Automation	Test Management
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Risk Management on a Shoe String Bernard Homés Tessco	Test Automation Using Building Blocks Omer Shita BMC	The Management Behind Test Management Amir Shoval NDS
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Model Driven Testing. Micheal Kzakov Metaphor Vision	Creativity Workshop Eyal Zohar
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Alon Linetzki, SIGiST Israel Chair