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SOFTWARE & SYSTEMS
QUALITY CONFERENCES
International | 2008

SHARING KNOWLEDGE FOR BEST QUALITY PRACTICES

Conference Programme 2008

15th - 18th April 2008
Dusseldorf, Germany

Under the Patronage of Prof. Dr. Andreas Pinkwart

WELCOME MESSAGE



Prof. Dr. Andreas Pinkwart
Minister of Innovation, Science, Research and
Technology of the State of North Rhine-Westphalia

We in North Rhine-Westphalia are proud to rank among Germany's leading centres of information and communication technology – one of today's key areas of innovation. North Rhine-Westphalia is home to some 15,000 ICT businesses, which generate almost 63 billion euros. That's approximately 13% of North Rhine-Westphalia's gross domestic product, the highest figure for any of the established sectors. It is our higher education and research institutions which provide a strong basis for these innovative enterprises through top-level research and specialist education.

The advances made in the ICT industry in the past few decades have led to major innovations, which play a key role in optimising enterprises' processes and thus in ensuring that businesses remain competitive and well placed to meet the challenges of the future.

Whether IT systems are successful in practice depends on their reliability and quality – an area where there is still considerable room for improvement. For instance, one factor which is important for the market success of a new IT system is whether it is developed within the planned budget and timeframe. Another factor is whether the system can go live reliably and quickly.

So, for businesses to perform and compete effectively, it is crucial that there are methods and standards which guarantee the quality of IT systems and projects from the very outset. The solutions which provide that quality evolve in practice and through continuous knowledge-sharing, not in a purely theoretical design process. It is therefore extremely important to discuss suitable tools and methods and how to use them.

It is with good reason, then, that the "Software & Systems Quality Conference" concentrate on providing a forum for delegates to share their experiences. Although there are presentations and discussions about the theoretical aspects of tomorrow's quality assurance technologies and methods, the forum is mainly about lessons learned on real-life projects. By taking this approach, the congress gives delegates a hands-on insight into quality assurance in day-to-day work. As a result, enterprises can develop the expertise they need to create high-quality, secure IT systems and thus ensure they are optimally placed to compete on the market.

My best wishes for a "Software & Systems Quality Conference 2008" event which is full of lively discussions and helps achieve those aims.



PROGRAMME COMMITTEE



Rudolf van Megen
 (Conference Chair)
 SQS, Germany



Thomas Gantner
 Daimler TSS, Germany



Wonil Kwon
 STEN Software Test Engineer
 Network, South Korea



Prof. Ina Schieferdecker
 Testing Technologies IST,
 Germany



Heinz Bons
 (Programme Chair)
 SQS, Germany



Peter Heller
 Airbus, Germany



Antti Laine
 Nuovoferri, Finland



Elisabeth Slapio
 Cologne Chamber of Industry
 and Commerce, Germany



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Prof. Bernd Hindel
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Prof. Paul Jorgensen
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Prof. Sachar Paulus
 SAP, Germany



Dr. Ludger Walther
 T-Systems, Germany



Maarten Galesloot
 SOGETI Deutschland,
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Cornelius Kluthe
 T-Systems, Germany



Hans Schaefer
 Software Test Consulting,
 Norway



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Logo of the organization, partially visible and blurry.

TUTORIALS, 15th APRIL 2008

Venue: Hilton Dusseldorf Hotel, Georg-Glock-Str. 20, 40474 Dusseldorf.

T1 Non-functional Quality Characteristics for Technical Test Analyst

Graham Bath/German Testing Board, T-Systems (D)

Morning Tutorial, 9.00 am - 12.30 pm The new ISTQB® Advanced Level syllabus gives a major upgrade to the technical aspects of testing. Practical support for the planning, specification, execution and reporting for performance, security, reliability, maintainability, and portability tests are a particular feature of the new syllabus. This tutorial will give you a good understanding of how to test these frequently misunderstood aspects of testing.

Agenda

- Performance, load and stress testing
- Security testing
- Reliability testing
- Maintainability testing
- Portability testing

T2 ISTQB® - Advanced Level, Test Management Upgrade

Prof. Paul Jorgensen/Grand State Valley University (USA)

Morning Tutorial, 9.00 am - 12.30 pm The ISTQB® Advanced Level Syllabus supports three types of certification: test managers, functional testers (also called domain testers), and technical testers. These levels correspond to levels of testing detail: management, project, and detailed views have varying degrees of mastery. The mastery levels are based on Benjamin Bloom's taxonomy of learning mastery.

Agenda

- Overview of the Advanced Level Syllabus
- Discussion of Bloom's Knowledge Levels
- Knowledge Mastery for Test Managers
- Comparison of the ISTQB® Advanced Level with other tester certification schemes

T3 The New ISTQB® Syllabus Certified Tester Advanced Level – Test Analyst (Functional Tester)

Maud Schlich/German Testing Board, IT-Project-Service (D)

Afternoon Tutorial, 1.30 pm - 5.00 pm This tutorial presents the new Certified Tester Advanced Level Syllabus Test Analyst in contrast to the former Functional Tester. Pairwise Testing / Orthogonal Testing is one of the new subjects of the syllabus that will be presented in more detail including some exercises. There will also be an exemplary exercise which specification-based techniques to apply for specific objectives.

Agenda

- Certified Tester Functional Tester
- Certified Tester Test Analyst
- Pairwise Testing
- Orthogonal Testing

T4 Gaining Control on IT Quality and Processes through Test Policy and Test Organization

Jos van Rooyen/LogicaCMG (NL)

Afternoon Tutorial, 1.30 pm - 5.00 pm In this tutorial a vision will be presented, and a corresponding approach for getting grip on quality and processes by implementing a test policy and setting up an effective test organization. This approach is based on experience in various organizations. When organizations get more mature a top-down approach to creating the test policy and derived test organization is inevitable.

Agenda

- What is a test policy and how is it defined
- How is an effective test organization derived from the test policy
- Which advantages does a good test policy to your organization

TUTORIALS, 15th APRIL 2008

T5 Spezifizieren von Anforderungen – Ein praktikabler Weg zu Excellence

Klaus Brüggemann, Gabriele Leibmann/Hood (D)

Afternoon Tutorial, 1.30 pm - 5.00 pm In diesem Tutorial werden typische Probleme beim Formulieren von Anforderungen gemeinsam mit den Teilnehmern an selbst beigesteuerten Praxisbeispielen analysiert und Lösungen erarbeitet. Bitte den Referenten im Vorfeld der Konferenz „aktuelle Probleme“ per Mail zusenden. Die Zusendungen werden entsprechend anonymisiert.

Agenda

- Vorstellungsrunde (Plenumsdiskussion)
- Einfache Methoden für die Spezifikation von guten Anforderungen (Vortrag)
- Analyse von Spezifikationen um Verbesserungspotenziale aufzuzeigen (Gruppenarbeit)
- Erarbeitung von Verbesserungsvorschlägen (Gruppenarbeit)
- Zusammenfassung und Resümee (Plenumsdiskussion)

T6 GQM+Strategies®: Messbasierte Ausrichtung von Software-Strategien an Geschäftszielen

Dr. Jürgen Münch, Jens Heidrich/Fraunhofer IESE (D)

Full-Day Tutorial, 9.00 am - 5.00 pm Produkte und Dienstleistungen sind heutzutage softwarebasiert. Wer Wettbewerbsvorteile erzielen will, muss seine Unternehmensziele mit IT- und Software-Strategien in Einklang bringen und in quantitatives Projektmanagement übersetzen. Das Seminar demonstriert dies anhand des GQM+Strategies-Ansatzes, zeigt industrielle Praxisbeispiele und geht auf verwandte Ansätze wie BSC, PSM und COBIT ein.

Agenda

- Prinzipien und Grundlagen zielorientierter Messverfahren
- GQM+Strategies-Ansatz zur quantitativen Kontrolle von Unternehmenszielen
- Verwandte Ansätze wie BSC, GQM, PSM und CobiT
- Kosteneffiziente Integration von Messprogrammen in Entscheidungsfindungsprozessen
- Beispiele und Erfahrungen aus der industriellen Praxis mit Anwendungsübungen

T7 Testing and TTCN-3

Theofanis Vassiliou-Gioles/Testing Technologies IST (D)

Full-Day Tutorial, 9.00 am - 5.00 pm The tutorial is presenting a thorough introduction to the emerging test technology TTCN-3 and its use within the test development process. Starting with an overview of the technology, a hands-on example will explain the concepts and the application of TTCN-3 for the software and telecommunication industry.

Agenda

- Basic concepts of TTCN-3
- Language features and use of the TTCN-3 Core Language (CL)
- Introduction of the Graphical Format of TTCN-3 (GFT)
- The TTCN-3 Execution Interfaces TRI and TCI
- Discussions

T8 Test Automation for Managers

Dr. Kelvin Ross/KJ Ross & Associates (AUS)

Full-Day Tutorial, 9.00 am - 5.00 pm This tutorial will provide a manager's insight into successful automation adoption. An overview of automation approaches and frameworks will be provided, as a technical basis, but then focus will then turn to the managerial aspects of the automation project. Various indicative tools (both open-source and commercial) will be demonstrated, and some hands-on exercises with automation frameworks will be included.

Agenda

- What to automate and why
- Failures and pitfalls to avoid
- Automation frameworks and maturity levels
- Planning and monitoring implementation progress
- Metrics to collect and report

T9 Application Lifecycle Management in der Praxis

Dr. Michael Wörn/SQS (D)

Full-Day Tutorial, 9.00 am - 5.00 pm Application Lifecycle Management beschreibt die Erstellung und den Betrieb von Softwareprodukten ganzheitlich als kontinuierlichen Zyklus aus Anforderungsdefinition, Design, Implementierung, Test, Auslieferung, Betrieb und Optimierung. Durch einheitliche, übergreifende Workflows und dem Aufbau einer konsistenten Datenbasis werden die einzelnen Prozesse miteinander verknüpft.

Agenda

- Kernprozesse der Entwicklung und des Betriebes
- Vom Management der einzelnen Prozesse zur Prozessintegration
- Kriterien zur Auswahl der Werkzeugplattform
- Möglichkeiten und Grenzen des Werkzeugeinsatzes
- Business Intelligence durch Implementierung aussagekräftiger Metriken/KPIs

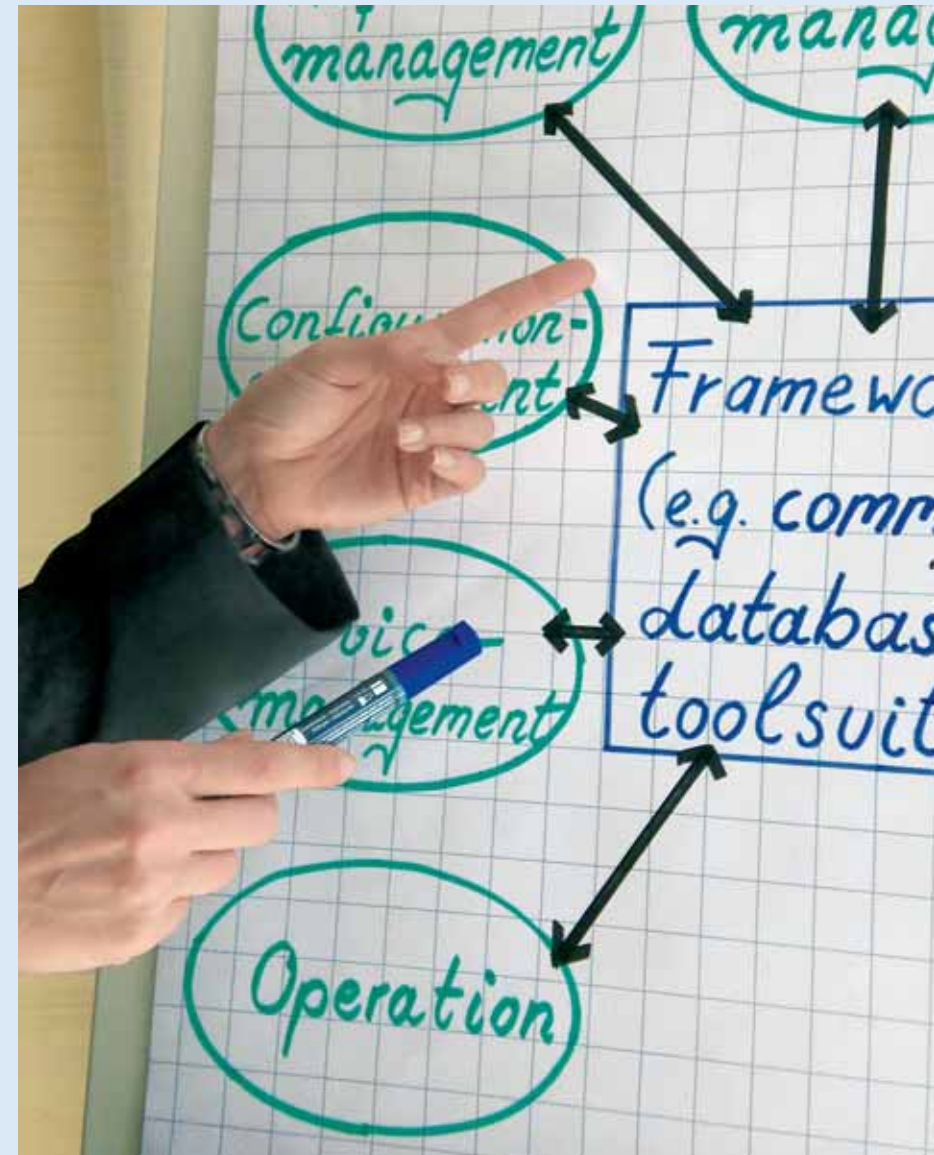
T10 Migrations Need to Be Tested

Maurice Siteur/CapGemini (NL)

Full-Day Tutorial, 9.00 am - 5.00 pm Conversions of software are becoming common projects in which testing – assuring the same functionality – is an important issue. Acceptance criteria are defined and based on that the test strategy is defined (TMap Next is used). Tooling is always important to consider. Comparison tools prove to be helpful. This tutorial is based on real life experience and a case.

Agenda

- Conversions, what makes them special
- Test strategy for a conversion
- Comparison tools – how they work



KEYNOTES



**Outsourcing of IT to the Next Generation Countries:
Egypt as a Partner Country of SQC International 2008**

Dr. Tarek Kamel
Minister of Communications and Information Technology/Arab Republic of Egypt

In this Keynote Speech, Dr. Kamel reviews the vision of Egypt as a next generation destination for offshore activities in the area of Telecommunications and Information Technology, the strategic initiatives by the MCIT of Egypt to turn this vision into reality and the factors that he believes will put Egypt at the forefront of this new wave of highly desirable destinations for this fast expanding trend in the industry. Dr. Kamel uses the recent decision by SQS Group to establish a significant part of its international offshore activities in Egypt as a case study of recent success in attracting reputable international companies to Egypt. This success is highly significant from the MCIT perspective as quality management of software systems and products is a key component of a successful IT industry and developing a culture of quality is therefore a key objective for the growing IT industry in Egypt. Such cooperation between international companies in Europe and Egypt is an important step, not only in helping these companies address their customer needs in terms of available skills at affordable cost, but also in building a successful CIT industry in the host country, in this case Egypt.



The Top IT Industry Technology and Services Trends

Frank Ridder
Gartner (D)

CIOs and IT managers have to understand the direction of IT in order to help their businesses to get on-going value from IT. The arising key questions are: What are the trends in the IT industry? What are the disruptive technologies? What are the new service delivery models build upon? What is the IT challenge coming? This keynote highlights selected key technologies and services, which will be the future basis for IT solutions. They will impact significantly how IT is built, used and managed.



Prof. Sachar Paulus, Keynote Speaker 2007

KEYNOTES

EXPERT PANEL DISCUSSION:

IT Offshoring: New Job Opportunities in Europe?

Michael Beilfuss/IDG Business Media (D), Maarten Galesloot/Sogeti (D), Karsten Leclerque/PAC (D), Frank Ridder/Gartner (D), Angelika Samoschkoff/Dresdner Bank (D), Reto Züst/SQS (CH), et al.

The excitement has calmed down and everyday life has returned: IT offshoring has led to a new division of work in software production. So now is a good time to take stock:

- Will the pendulum swing back and offshoring increasingly turn into homeshoring?
- Does the relocation of work to overseas create new jobs here – and if so, what kind of jobs and how many?
- What does Europe as a business location have to do for offshoring to remain a challenge instead of turning into a threat?

These and other questions will be discussed by analysts, clients and service providers at the Expert Panel at Software & Systems Quality Conference 2008. You can take the opportunity to benefit from their experiences, analyses and forecasts.



The Next 10 Years of IT Security: iPhone, Xbox and BMWs

Prof. Christof Paar
Ruhr University Bochum (D)

For a long time, the main concern of the security community were traditional computer networks. The next generation of “computer” networks will look different: your clothes might talk to your car, while your handheld talks to the refrigerator. DRM in mobile devices or IP protection in game consoles are other important security applications. Many embedded applications will have security solutions which are different from, say, building firewalls for a corporate network.

In contrast to classical IT security, providing security for embedded devices is heavily dependent on the target’s hardware and software. For instance, performing a digital signature can be a major challenge for an RFID bar code label. We will give an overview about this emerging area. As case studies, we will discuss extremely lightweight security for component identification (e.g., for printer cartridges), and “network” security for automotive adhoc networks.



Outsourcing at Zürich: What it means for Quality – Experiences from four years

Hans-Joachim Hentschel
Zürich Beteiligungs-Aktiengesellschaft (D)

Application outsourcing sometimes is seen as a short-term opportunity to get rid of actual problems; but experience showed that this will only lead to more problems. Outsourcing need to be planned as something strategic; it can never be done successfully ad hoc. From a quality point of view it is necessary to define and plan SLAs as well as measure how to use currently won experiences for improvements. It is not possible to define all things in advance; the outsourcing parties need to be ready for learning from experiences. This requires contracts which are to some extend flexible for adjustments. Meanwhile Zürich has four years experience in application outsourcing with a large system integrator. This presentation will give some insights into recent experiences.



Formula One – The Business of Winning: Quality From Another View

Mark Gallagher
Eddie Jordan's Formula One Team (UK)

The Formula One industry thrives on technological innovation, which creates a paradox; teams demand the very latest in leading edge automotive, aerospace, electronics and materials technologies, but require them to be reliable in the most extreme conditions possible.

Quality is an imperative, in terms of concept, design, manufacture and operation. With a complex F1 design produced by each team, each season, to meet new regulations, early error detection is. Deadlines are immovable – 18 events between March and November making this a relentless race against time. Progress is measured at every stage, with KPIs governing every aspect of car development and performance, and not only with the teams as they rely on the close support of suppliers of key technologies ranging from motors to tyres.

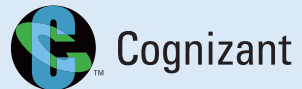


EXHIBITORS AND SPONSORS

Alongside the conference we would like to welcome delegates to the Exhibition in the Foyer Stadthalle. Here you will have the opportunity to meet the Exhibitors and Sponsors, have discussions with them regarding your needs and see demonstrations of their products and services.

Exhibitors will also be presenting their products and services in a special track throughout the three days of the conference. Further information regarding the Product Presentation can be found at www.sqs-conferences.com/de.

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WEDNESDAY, 16th APRIL 2008

Time 9.00 - 9.15			OPENING Rudolf van Megen/SQS (D)		
Time 9.15 - 10.15			Outsourcing of IT to the Next Generation Countries: Egypt as a Partner Country of SQC International 2008 Dr. Tarek Kamel – Minister of Communications and Information Technology/Arab Republic of Egypt		
Time 10.15 - 11.00			OPENING OF EXHIBITION		
ISTQB® - Certification Chair: Bernard Homès ISTQB®, TESSCO (F)		Quality Assurance for Automotive Chair: Thomas Thurner SQS (D)		Change and Configuration Management Chair: Peter Bölter SQS (D)	
Time 11.00 - 11.45 ISTQB® – Where has it come from, and Where is it going Geoff Thompson/ISTQB®, Experimentus (UK)		Time 11.00 - 11.45 Risk-based Testing and SIL in the Automotive Domain Maud Schlich/IT-Project-Service (D)		Time 11.00 - 11.45 iNTCCM™: A New Kid on the CM Block René Schaap/iNTCCM (NL)	
Time 11.45 - 12.30 The New ISTQB® Advanced-Level Certification Program Graham Bath/German Testing Board, T-Systems (D)		Time 11.45 - 12.30 Safety-critical Systems: Experiences in the Automotive Industry Dr. Simon Burton/Vector Consulting Services (D)		Time 11.45 - 12.30 Process-based Implementation of Configuration and Change Management – A Case Study Matthias Hauptenthal/Credit Suisse (CH)	
Time 12.30 - 12.45 DISCUSSION		Time 12.30 - 12.45 DISCUSSION		Time 12.30 - 12.45 DISCUSSION	
Time 12.45 - 2.15			EXHIBITION AND LUNCH BREAK		
Time 2.15 - 3.45			EXPERT PANEL DISCUSSION IT Offshoring: New Job Opportunities in Europe? Chair: Michael Beilfuss/IDG Business Media (D) Panel Experts: Maarten Galesloot/Sogeti (D), Karsten Leclerque/PAC (D), Frank Ridder/Gartner (D), Angelika Samoschkoff/Dresdner Bank (D), Reto Züst/SQS (CH), et al		
Time 3.45 - 4.15			EXHIBITION AND COFFEE BREAK		
ISTQB® - Certification Chair: Prof. Ina Schieferdecker Testing Technologies IST (D)		Quality Assurance for Automotive Chair: Thomas Thurner SQS (D)		Process Improvement Chair: Prof. Bernd Hindel method park Software (D)	
Time 4.15 - 5.00 ISTQB® Expert: Improving the Testing Process Dr. Erik van Veenendaal/ISTQB®, Improve Quality Services (NL)		Time 4.15 - 5.00 SysML in Use – Conclusions from Real World Projects Jürgen Rogall/Nokia (D)		Time 4.15 - 5.00 The Socrates Method – Lead to Lead Change Danilo Assmann/Valeo (D)	
Time 5.00 - 5.45 Impact of Systems of Systems Bernard Homès/ISTQB®, TESSCO (F)		Time 5.00 - 5.45 Offshore Automotive Systems Testing: Test Automation Example Sherif Nour Eldin/IBM (EG)		Time 5.00 - 5.45 Continuous Improvement Framework for Global Software Development Tihana Galinac/University of Rijeka (HR)	
Time 5.45 - 6.00 DISCUSSION		Time 5.45 - 6.00 DISCUSSION		Time 5.45 - 6.00 DISCUSSION	

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Offshore/Outsourcing Chair: Cornelius Kluthe T-Systems (D)		Requirements Management Chair: Klaus Kleemann SQS (D)		TTCN-3 Chair: Prof. Ina Schieferdecker Testing Technologies IST (D)		WORKSHOPS Limited capacity Please pre-register	
Time 11.00 - 11.45 Offshoring the First Level Support of (Test) Tools: Field Report André Piot, Marcel Wyrsh/Credit Suisse (CH)		Time 11.00 - 11.45 Making Traceability Work: How Developers Will Like Testing Requirements Dr. Britta Stengl/SAP (D)		Time 11.00 - 11.45 Testing Web Services with TTCN-3 Elio Luis Torres Valdivia/Siemens (D) Theofanis Vassiliou-Gioles/Testing Technologies IST (D)		Time 11.00 - 1.00 W1 Agile Testing Prof. Paul Jorgensen/ Grand State Valley University (USA)	
Time 11.45 - 12.30 Rabobank: Outsourcing and Testing, Staying in Control Harry Vroom/Rabobank (NL)		Time 11.45 - 12.30 Requirements Engineering in Practise Erich Freitag/Center Communication Systems (A)		Time 11.45 - 12.30 Trends in TTCN-3: Language and Usage Dr. Thomas Deiss/Nokia Siemens Networks (D)			
Time 12.30 - 12.45 DISCUSSION		Time 12.30 - 12.45 DISCUSSION		Time 12.30 - 12.45 DISCUSSION			
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Offshore/Outsourcing Chair: Cornelius Kluthe T-Systems (D)		Requirements Management Chair: Prof. Paul Jorgensen Grand State Valley University (USA)		SOA Testing Chair: Heinz Bons SQS (D)		WORKSHOPS Limited capacity Please pre-register	
Time 4.15 - 5.00 Experiences with Quality Management for Architecture and Code Wilhelm Buntscheck/Giesecke & Devrient (D) Dr. Frank Simon/SQS (D)		Time 4.15 - 5.00 Ready for Testing: Determining Requirements Quality Petra Heck/Eindhoven University of Technology (NL)		Time 4.15 - 5.00 Is Web 2.0 and SOA a Hacker's Dream? Testing for Security Risks in a Web 2.0, SOA World Colin Robb/Hewlett-Packard (UK)		Time 4.15 - 6.15 W2 + W3 W2 Test Estimation in an Agile Paradigm Jerry E. Durant/ Certellus Corporation (USA) W3 Audit- und Assessment-Interviews optimal führen Maud Schlich/IT-Project-Service (D)	
Time 5.00 - 5.45 Test Management and Strategies in the Outsourcing/Offshoring Model within the Carphone Warehouse Group Sanjay Padhee/Carphone Warehouse (UK)		Time 5.00 - 5.45 Facilitating Project Management by Capturing Requirements Consistency Information Michael Eisenbarth/Fraunhofer IESE (D)		Time 5.00 - 5.45 Testing Service-oriented Architectures Dr. Johannes Maria Zaha, Heiko Stallbaum/ University of Duisburg-Essen (D)			
Time 5.45 - 6.00 DISCUSSION		Time 5.45 - 6.00 DISCUSSION		Time 5.45 - 6.00 DISCUSSION			

THURSDAY, 17th APRIL 2008

Time 9.00 - 10.00			The Top IT Industry Technology and Services Trends Frank Ridder/Gartner (D)		
Time 10.00 - 10.45			EXHIBITION AND COFFEE BREAK		
Secure Software Chair: Prof. Sachar Paulus SAP (D)	Quality Assurance for Avionic Chair: Peter Heller Airbus (D)	Process Improvement Chair: Detlef Vohwinkel SQS (D)			
Time 10.45 - 11.30 Security Development Lifecycle Michael Kranawetter/Microsoft (D)	Time 10.45 - 11.30 Current Direction for use of Object-Oriented Techniques in Avionics James Chelini/Verocel (USA)	Time 10.45 - 11.30 Getting Started with Software Process Improvement – Best Practices and Lessons Learned Pawel Pierzchalka/Cortal Consors (D)			
Time 11.30 - 12.15 Software Assurance – Vision 2015 Paul Kurtz/SAFECode (USA)	Time 11.30 - 12.15 DO178C An Overview of Formal Methods for Verification James J. Hunt/aicas (D)	Time 11.30 - 12.15 Review CMMI®- ACQ for Outsourcing Tana Toommanon, Dr. Yachai Limpiyakorn/ Chulalongkorn University of Bangkok (THA)			
Time 12.15 - 12.30 DISCUSSION	Time 12.15 - 12.30 DISCUSSION	Time 12.15 - 12.30 DISCUSSION			
Time 12.30 - 2.00			EXHIBITION AND LUNCH BREAK		
Time 2.00 - 3.00			The next 10 Years of IT Security: iPhone, Xbox and BMWs Prof. Christof Paar/Ruhr University Bochum (D)		
Time 3.00 - 3.30			EXHIBITION AND COFFEE BREAK		
Secure Software Chair: Klaus-Peter Treche Joined Support Command (D)	Quality Assurance for Avionic Chair: Peter Heller Airbus (D)	Process Improvement Chair: Thomas Gantner Daimler TSS (D)			
Time 3.30 - 4.15 Requirements for Information Assurance concerning Bundeswehr IT-Systems Gustav Wostrack/German Federal Armed Forces Information Technology Center (D)	Time 3.30 - 4.15 Do-178C and Model Based Development Cheryl Dorsey/EADS TELEKOM (D)	Time 3.30 - 4.15 Everything SPICE™? – The Use of ISO 15504 for Different Enterprises and Industries Dirk Malzahn/OrgaTech (D)			
Time 4.15 - 5.00 Software Security Metrics 101 – Why & How? Dr. Markus Schumacher/Virtual Forge (D)	Time 4.15 - 5.00 PIC Microcontroller Simulator in Testing of an Avionics Application Tomasz Iwaszkiewicz/Verocel (PL)	Time 4.15 - 5.00 Software Process Improvement in IT Organization with the Help of CMMI® Filippo Vitiello/method park Software (D)			
Time 5.00 - 5.45 Static and Dynamic Analysis of an Internet Security System Harry Sneed/University of Regensburg (D)	Time 5.00 - 5.45 Next Generation Test Engine Environment for Aircraft Cabin Systems Testing Malte Schwarze/ Airbus (D)	Time 5.00 - 5.45 Process Improvement for OEM Suppliers in Industry Based on Automotive Spice tbc			
Time 5.45 - 6.00 DISCUSSION	Time 5.45 - 6.00 DISCUSSION	Time 5.45 - 6.00 DISCUSSION			
Time 7.00			CONFERENCE BANQUET		

THURSDAY, 17th APRIL 2008

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The Top IT Industry Technology and Services Trends Frank Ridder/Gartner (D)			
Time 10.00 - 10.45			
EXHIBITION AND COFFEE BREAK			
Metriken Chair: Prof. Werner Mellis University of Cologne (D)	Test Management Chair: Dr. Gualtiero Bazzana Onion (I)	Model-based Testing Chair: Prof. Bruno Legeard LEIRIOS (F)	WORKSHOPS Limited capacity Please pre-register
Time 10.45 - 11.30 Einführung eines Kennzahlensystems für Softwareprojekte – Erfahrungen bei der HUK-Coburg Jürgen Lauer/HUK-Coburg (D) Oral Avci/SQS (D)	Time 10.45 - 11.30 Acceptance Criteria – How, Where & Who? Berend van Huffelen/ING (NL) Meile Posthuma/LogicaCMG (NL)	Time 10.45 - 11.30 Pragmatic Test Case Generation Dr. Anne Kramer/sepp.med (D)	Time 10.45 - 12.45 W4 Certification – Does it Really add Value? Geoff Thompson/Experimentus (UK)
Time 11.30 - 12.15 Goal Attribute Measure – Warum wir das A gegen das Q ausgetauscht haben! Frank Sazama/Kugler Maag (D)	Time 11.30 - 12.15 Redefining Defects Dilip Kajgaonkar/Hexaware Technologies (IND)	Time 11.30 - 12.15 Model-based Testing Enhances Action-word-based Testing to Boost Test Automation Emmanuel Vergé/LEIRIOS (F)	
Time 12.15 - 12.30 DISCUSSION	Time 12.15 - 12.30 DISCUSSION	Time 12.15 - 12.30 DISCUSSION	
Time 12.30 - 2.00			
EXHIBITION AND LUNCH BREAK			
Time 2.00 - 3.00			
The next 10 Years of IT Security: iPhone, Xbox and BMWs Prof. Christof Paar/Ruhr University Bochum (D)			
Time 3.00 - 3.30			
EXHIBITION AND COFFEE BREAK			
Metrics Chair: Bob Bartlett SQS (UK)	Test Management Chair: Antti Laine Nuovoferrri (FIN)	Model-based Testing Chair: Prof. Bruno Legeard LEIRIOS (F)	WORKSHOPS Limited capacity Please pre-register
Time 3.30 - 4.15 Metrics for Dummies Daryl Elfied/Barclays Bank (UK)	Time 3.30 - 4.15 How Testing can Influence Product Maturity Yaron Tsubery/Comverse (IL)	Time 3.30 - 4.15 A Maturity Model for Model-based Testing Thomas Rossner/imbus (D)	Time 3.30 - 5.30 W5 + W6 W5 Improving Audit- and Assessment-Interviews Maud Schlich/IT-Project-Service (D) W6 Integration of Systems of Systems Bernard Homès/TESSCO (F)
Time 4.15 - 5.00 Experiences with Earned-value-based Controlling of German IT Projects Prof. Dirk Stelzer/Technische Universität Ilmenau (D)	Time 4.15 - 5.00 Continuous Integration – A Case Study Peter Niggemeier, Matthias Jäschke/ Nokia Siemens Networks (D)	Time 4.15 - 5.00 Model-based Testing for Model-driven Development with UML 2.0 Dr. Oliver Möller/Verified Systems (D)	
Time 5.00 - 5.45 Experience with Key Performance Indicators (KPIs) in Mobile Soft-switch Testing Mark Flecken/Ericsson (D)	Time 5.00 - 5.45 From Business Risk up to Test Strategy Ceas Dulfer, Roy Bekhuis/Rabobank (NL)	Time 5.00 - 5.45 Comparing Model-based Test Generation Approaches: Coverage-based versus Random Dr. Kelvin Ross/KJ Ross & Associates (AUS)	
Time 5.45 - 6.00 DISCUSSION	Time 5.45 - 6.00 DISCUSSION	Time 5.45 - 6.00 DISCUSSION	
Time 7.00			
CONFERENCE BANQUET			

FRIDAY, 18th APRIL 2008

Time 9.00 - 9.45			Outsourcing at Zürich: What it means for Quality – Experiences from four years Hans-Joachim Hentschel/Zürich Beteiligungs-Aktiengesellschaft (D)		
Time 9.45 - 10.15			EXHIBITION AND COFFEE BREAK		
Security Chair: Dr. Ludger Walther T-Systems (D)	Test Automation Chair: Vincent Groener Sogeti (D)	Prozessmodelle Chair: Elisabeth Slapio Cologne Chamber of Industry and Commerce (D)			
Time 10.15 - 11.00 Preparing Targets for Penetration Tests Dr. Alexander Schinner/T-Systems (D)	Time 10.15 - 11.00 A Component-based Approach to Test Automation Felice Cerullo/ST Incard (I)	Time 10.15 - 11.00 Qualitätssicherungsmanagement und SPICE™ Evelyn Bernardt/FinanzIT (D)			
Time 11.00 - 11.45 Quality Assurance for Security-critical Systems Dr. Jan Jürjens/The Open University (UK)	Time 11.00 - 11.45 Do You Automate? A Method to Decide if Test Automation is Convenient Albert Farré Benet/NTE (E)	Time 11.00 - 11.45 Wo bitte geht's zur Veränderung? Georg Bellin/Deutsche Post World Net IT Services Europe (D) Mareike Solbach/wibas IT Maturity Services (D)			
Time 11.45 - 12.00 DISCUSSION	Time 11.45 - 12.00 DISCUSSION	Time 11.45 - 12.00 DISCUSSION			
Time 12.00 - 12.45			EXHIBITION AND LUNCH BREAK		
Security Chair: Dr. Ludger Walther T-Systems (D)	Test Infrastructure Management Chair: Dirk Huberty SQS (D)	Prozessmodelle Chair: Elisabeth Slapio Cologne Chamber of Industry and Commerce (D)			
Time 12.45 - 1.30 Combining Safety and Security in a Model-based Development Process Denis Hatebur, Prof. Maritta Heisel/ University of Duisburg-Essen (D)	Time 12.45 - 1.30 A Successful Testinfrastruktur in an International Environment Oliver Bosch, Christian Hirschbolz/ HVB Information Services (D)	Time 12.45 - 1.30 Agile Methoden und SPICE™: Ein Widerspruch? Dr. Peter Kopka/Nokia (D)			
Time 1.30 - 2.15 Increasing Quality and Security with the New Version 3.1 of the Common Criteria – A Global Standard Markus Bartsch/TÜV Informationstechnik (D)	Time 1.30 - 2.15 Requirements and Quality Management in the German Federal Armed Forces (Bundeswehr) Simulation and Testing Environment Ernst Artz/German Federal Armed Forces Information Technology Center (D)	Time 1.30 - 2.15 Organisationsweite Prozesseinführung und –reifung bei Witt Weiden Jan Ebell/Witt Weiden (D) Ove Armbrust/Fraunhofer IESE (D)			
Time 2.15 - 2.30 DISCUSSION	Time 2.15 - 2.30 DISCUSSION	Time 2.15 - 2.30 DISCUSSION			
Time 2.30 - 3.00			EXHIBITION AND COFFEE BREAK		
Time 3.00 - 3.45			Formula One – The Business of Winning: Quality from Another View Mark Gallagher/Eddie Jordan's Formula One Team (UK)		
Time 3.45 - 4.00			Closing Rudolf van Megen/SQS (D)		

FRIDAY, 18th APRIL 2008

Time 9.00 - 9.45			
Outsourcing at Zürich: What it means for Quality – Experiences from four years Hans-Joachim Hentschel/Zürich Beteiligungs-Aktiengesellschaft (D)			
Time 9.45 - 10.15			
EXHIBITION AND COFFEE BREAK			
Quality Management Chair: Tomas Schweigert SQS (D)	Test Management Chair: Bob Bartlett SQS (UK)	Test Methodology Chair: Hans Schaefer Software Test Consulting (N)	WORKSHOPS Limited capacity Please pre-register
Time 10.15 - 11.00 Quality is Conformance to Requirements Renate Stücka/Telelogic (D)	Time 10.15 - 11.00 Green Testing – The Race against Waste Joan Jordan/o2 (IRL)	Time 10.15 - 11.00 Testing of Migrations: Theory and Practical Experience Rob Baarda/Sogeti (NL)	Time 10.15 - 12.15 W7 Herausforderungen bei der Einführung von Kennzahlen für die Entwicklung und Wartung von Software Oral Avci/SQS (D)
Time 11.00 - 11.45 Flirting with Disaster or How Can Cruise Ships Affect Your IT Risk Management Hans Günter Siebert/TÜV Informationstechnik (D)	Time 11.00 - 11.45 What Every Software Architect Should Know about Testing! Peter Zimmerer/Siemens (D)	Time 11.00 - 11.45 Structuring Test Requirements: Today and Tomorrow Holger Hanisch/DATEV (D)	
Time 11.45 - 12.00 DISCUSSION	Time 11.45 - 12.00 DISCUSSION	Time 11.45 - 12.00 DISCUSSION	
Time 12.00 - 12.45			
EXHIBITION AND LUNCH BREAK			
Quality Management Chair: Detlef Vohwinkel SQS (D)	Test Management Chair: Prof. Paul Jorgensen Grand State Valley University (USA)	Test Methodology Chair: Hans Schaefer Software Test Consulting (NOR)	WORKSHOPS Limited capacity Please pre-register
Time 12.45 - 1.30 Role of Quality Assurance in Compliance and Governance Ranjan Banerjee/Infosys Technologies (IND)	Time 12.45 - 1.30 ICW Test Factory Operations Based on the T2 Test Framework Torsten Zimmermann/InterComponentWare (D)	Time 12.45 - 1.30 Extending SCRUM for Empowering Agile Testing: An Experience Report Dr. Ivan Morschel/TÜV Rheinland Secure iT (D) Christian Setzwein/Setzwein IT-Management (D)	Time 12.45 - 2.45 W8 Wie ist vorzugehen, um Open Source Software korrekt in Produkte integrieren zu können? Oliver Fendt/Siemens (D)
Time 1.30 - 2.15 Delivering Quality Software Using Agile Development Practices Jann Thomas/DataPath (USA)	Time 1.30 - 2.15 Tackling the Imply-operator in Testing Business Rules Bart Broekman/Sogeti (NL)	Time 1.30 - 2.15 What's Behind Test-driven Development? Dr. Karin Vosseberg/pdv.com (D) Prof. Andreas Spillner/University of Applied Sciences Bremen (D)	
Time 2.15 - 2.30 DISCUSSION	Time 2.15 - 2.30 DISCUSSION	Time 2.15 - 2.30 DISCUSSION	
Time 2.30 - 3.00			
EXHIBITION AND COFFEE BREAK			
Time 3.00 - 3.45			
Formula One – The Business of Winning: Quality from Another View Mark Gallagher/Eddie Jordan's Formula One Team (UK)			
Time 3.45 - 4.00			
Closing Rudolf van Megen/SQS (D)			

SEE WHY DELEGATES RECOMMEND THE SOFTWARE & SYSTEMS QUALITY CONFERENCE



« Good Conference, I achieved my goals and networked well »

« This is the first SQC Conference I have attended and I thoroughly enjoyed it. I will be recommending it to others »

« Again a pleasure to be here the premier European event »

« This conference just gets better every year »

« Really cool exhibition »

« The conference was a great opportunity to exchange views with colleagues from other domains than my own. It is always important to learn from each other »

« SQC was one of the first international conferences which included usability as an important topic of quality testing »

« I hope my company will sponsor me next year, I can't wait to see what line up you will have for us »

« Good conference nice to see all the various vendors »

« The choice of topics throughout the day was very good »

THE FASCINATION OF DUSSELDORF

SMALL-TOWN CHARM MEETS METROPOLITAN GRANDEUR

When you come to Dusseldorf, you'll soon find that this elegant city breathes its very own atmosphere, a perfect blend of dynamic business activity and the typical Rhenish zest for life. And that's what makes this economically busy town so attractive and likeable. Dusseldorf is the strong heart of the world's seventh-largest economic region.

Roughly ten million people live and work here, staying in touch with business and personal contacts around the world. And North Rhine-Westphalia's beautiful capital makes it easy to maintain global networks: 77 airlines serve Dusseldorf Airport, offering connections to 1,500 cities around the world. Most European capitals are no more than a two-hours' flight away, and there are daily flights to destinations in the U.S. If you fly in from overseas via Brussels, Amsterdam, or Frankfurt, your connection to Dusseldorf will take less than an hour.

There's much to be explored here. Take the MedienHafen, for example, home of future-oriented disciplines such as information and communication technology, advertising, media, biotechnology, and consulting services. Renowned architects like Gehry, Chipperfield, Coenen, Holl, and Vasconi have made the "media harbor" a point of interest that attracts architects from around the globe. Or are you more interested in one of the world's most famous and exclusive shopping miles? Come and take a stroll along the "Kö," the catwalk for the international fashion scene. Luxurious shopping temples and elegant terrace cafés invite you to linger and enjoy. At nighttime, locals and their guests traditionally frequent the many bars and breweries in the old city center. An evening of typical Rhenish conviviality, with a glass or two of authentic alt beer, finishes your day off perfectly. Dusseldorf is looking forward to meeting you!





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