THE FIFTH INTERNATIONAL
SOFTWARE & INTERNET QUALITY WEEK EUROPE

Brussels, BELGIUM • 11-15 March 2002

INTERNET NOW!

More than ever, Internet Quality and Software Quality worries are pressing issues!

QWE2002 focuses on quality technology with a careful, honest look at current methods and cautious assessments of future trends.

QWE2002: The 5th year of serving the SQA community with state-of-the-art information!

Produced by

SR Software Research Institute

PRE-CONFERENCE TUTORIALS

Monday, 11 March, 2002
Morning Classes: 8:30-10:00 & 10:30-12:00

A1 Web Testing Masterclass - Part 1
Dr. Gualtiero Bazzana, ONION, S.P.A., Italy
- Peculiarities of Web-based applications will be presented from a technical point of view, explaining their effects on testing practices
- The tutorial will deal with testing management aspects
- The tutorial will touch the issues raised by integration testing between ERP and Web and in the validation of E-business solutions

B1 Stepwise Improvement of the Test Process using TPI
Mr. Martin Pol & Mr. Ruud Teunissen, Polteq & Gitek nv, Belgium
- The Context, Why, What, When, Where, Who, etc. to improve?
- TPI, The Test Process Improvement Model
- Application of the Model, Management of Change

C1 Managing the Testing Process: Organization, Motivation, and Techniques
Mr. Rex Black, RBCS, Inc., USA
- Testing must fit within project and organization parameters
- Testing is done for business reasons, achieving a quantifiable return on investment
- Test management requires the careful application of several techniques

D1 Introduction to the Test Maturity Model
Dr. Erik P. VanVeenendaal, Improve Quality Services BV, The Netherlands
- Gain insight, in theory and practice, on structured testing and test process improvement
- Know about Test Maturity Model (TMM)
- Learn how to prioritise, define and implement those improvements

E1 Testing Component-Based Systems
Dr. John McGregor, Korson-McGregor, USA
- Assemble systems from reusable modules, don't built from scratch
- Component integration creates new testing challenges
- Learn which integration defects may occur and techniques to deal with each of them

Afternoon Classes: 13:30-15:00 & 15:15-17:00

A2 Web Testing Masterclass - Part 2
Dr. Gualtierio Bazzana, ONION, S.P.A., Italy
- Peculiarities of Web-based applications will be presented from a technical point of view, explaining their effects on testing practices
- The tutorial will deal with testing management aspects
- The tutorial will touch the issues raised by integration testing between ERP and Web and in the validation of E-business solutions

B2 Test Plan 101, Using IEEE 829
Mr. Bernard Homes, TESSCO Ltd., France
Based on real life experience:
- Description of different types of documents used in the IEEE 829 standard, and their relation to one another
- Different steps and aspects of this test plan
- How to use the plan for different types of tests

C2 Web Testing: A Practical Approach
Dr. Edward Miller, eValid, Inc., USA
- Common Risks and Quality Issues of Web Sites, learned from experience
- How to test in a Rapid Application Development World
- How to test website Content, Navigability, Portability and Compatibility
- How to Test Performance, Load, Usability and much more...

D2 Introduction to Defect Analysis
Mr. Otto Vinter, Independent Consultant, Denmark
- How to perform defect analysis.
- Which taxonomies and techniques exist.
- What results can you expect; and how to use them for improvements.

E2 Guided Inspections
Dr. John McGregor, Korson-McGregor, USA
At the end of this course, you will be able to:
- Describe guided inspections.
- Create test cases to be used in guided inspections.
- Choose test cases that maximize defect discovery while minimizing their cost.

Tuesday, 12 March, 2002
Morning Classes: 8:30-10:00 & 10:30-12:00

F1 Writing Good Requirements - Part 1
Mr. Erik Simmons, Intel Corporation, USA
- Discuss and choose from different techniques to specify requirements
- Improve written requirements and tell good requirements from bad ones
- Write non-functional requirements so they are verifiable

G1 Emotional Intelligence as the Key to Software Testing Mr. Jens Pas, I2B, Belgium
- Understanding Emotional Intelligence (EQ)
- Understanding the Test Requirements Hierarchy
- Applying Strategic Driven thinking to develop test requirements
- Enhancing test requirements with emotions and instincts

H1 Getting Started - Stressing Web Applications, Stress Early - Stress Often
Mr. Robert Sabourin, Amibug.com, Canada
You'll learn practical steps with real examples:
- What works, which techniques, which tools
- Avoid blowing the budget for stress testing, load testing, and performance testing
- Testing at the Unit, Integration and System Testing phase

J1 Test Estimating Mr. Rex Black, RBCS, Inc., USA
- Test Estimating Techniques
- What you Need to Know to Estimate the Testing Effort
- Guidelines for the Estimating Process

K1 Model-Based Testing
Mr. Ibrahim K. El-Far, Florida Institute of Technology, USA
- Graphs and Finite state machine models for software testing
- Methods for modeling software using state machines: simple graphs, state variables, hierarchical state models construction
- Generating tests based on state models

Afternoon Classes: 13:30-15:00 & 15:15-17:00

F2 Writing Good Requirements - Part 2
Mr. Erik Simmons, Intel Corporation, USA
- Discuss and choose from different techniques to specify requirements
- Improve written requirements and tell good requirements from bad ones
- Write non-functional requirements so they are verifiable

G2 Think Green! Think Different! Think Modular! (The LEGO Principle)
Mr. Olivier Denoo, ps_testware, Belgium
- Efficient solution for web and e-commerce testing
- Web requirement hierarchy
- Efficiency, effectiveness, improvement

H2 Just In Time Testing - Testing Turbulent Web Based Applications Mr. Robert Sabourin, Amibug.com, Canada
- Risk based test management
- Data driven testing
- Web application testing
- Pratical tools and techniques are reviewed, based on current experience, testing key e-commerce sites

J2 Structured Testing
Mr. Martin Pol & Mr. Ruud Teunissen, Polteq, Gitek nv, Belgium
- The Context of Testing
- Why Testing?
- Structured testing: What, When, Where, Who?

K2 Practical Measurement of Software Products and Processes: The Goal/Question/Metric Method
Dr. Rini vanSolingen, CMG, The Netherlands
- Goal-oriented Software Measurement
- Real-life Industrial Examples
- Excercises to learn basic principles

FULL PROGRAM ONLINE: www.qualityweek.com

KEYNOTES

Wednesday, Thursday, Friday
13, 14, 15 March 2002

8:30 - 10:00, Wednesday, 13 March

K1-1 **Independent Verification And Validation Implementation At NASA**
Dr. Linda Rosenberg, GSFC NASA, USA
- IV&V is a valuable tool for increasing sofware quality and reliability
- IV&V needs selection criteria for which projects should apply it
- NASA is now requiring IV&V evaluation for all projects and application on some

Award for Best Presentation at QW2001 San Francisco

K1-2 **Creating Quality Web Systems**
Ms. Robert A. Sabourin, Amibug.com, Canada
- Developing Quality Web Systems depends on people
- People issues can make or break a Web System
- Requirement turbulence is part of life so be prepared!
- We are in the change business!

8:30 - 10:00, Thursday, 14 March

K2-1 **Building the Infrastructure for The Future**
Mr. Rik Nuytten, Cisco Systems, Belgium
- Built on open standards
- Flexability and intelligence must be incorporated
- It must be able to handle voice, data and video simultaneously

K2-2 **Power Testing**
Mr. Bob Bartlett, SIM Group, UK
- Testing is the most powerful stage of the development process
- Most development & implementation risks can be managed through defined & scheduled activities
- The strategic use of testing tools can double the power to testing

11:00 - 12:30, Friday, 15 March

K3-1 **From Requirements to Release Criteria**
Mr. Erik Simmons, Intel Corporation, Canada
- Product Quality
- Quality Requirements
- Quantified Quality
- Release Criteria

K3-2 **Organizing for High Tech Innovation**
Prof. Koenraad Debackere, KUL, Belgium
- Discover how the EU may lead future developments

CONFERENCE PROGRAM

A Brand New Program in Parallel Tracks, spread over three intensive, hard-working days, covers the broad field of Software & Internet Quality with the latest developments in:
- **Internet**: E-commerce experience, Internet Time and Site Performance
- **Technology**: From browser-based website testing to UML Methods
- **Applications**: Learn solutions from Intel and Motorola; from researchers and practitioners in Spain, Sweden, France, Florida, Belgium, Holland, Ireland and Norway
- **Management**: Managing Testing, Quality Improvement, Process Innovations
- **Tools and Solutions**: the latest details on new tools, solutions and services by the Conference Exhibitors

QWE 2002 EXHIBITORS

A partial list
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CMG Information Technology
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ITeeVision
Pearson Education
ps_testware
QA - Systems
Rational Software
RELQ
Sitraka
Software Research, Inc.
Spherion
SQS Group - SIM Group
Ubizen AETHIS
Veritest
. . . and more

EXPO HOURS:
Wednesday: 10:00 - 18:00
Thursday: 10:00 - 16:00

DON'T MISS THE TOOLS TRACK PRESENTATIONS.
More details and schedule available on our website or in the Expo Guide.

SPECIAL EVENING EVENT
Tuesday, 12 March, 17:30 pm
Welcome Reception at the Cantillon Brewery

Wed., 13 March, 17:00 pm
Cocktail Party at the EXPO

And You May Visit one of the following:

Thursday, 14 March, 18:30 pm
Chocolate Factory Visit
or
Thursday, 14 March, 18:00 pm
Musical Instruments Museum

For Details on Special Events, visit our website at: www.qualityweek.com

FULL PROGRAM DESCRIPTION AVAILABLE AT: www.qualityweek.com

Registration

Registration includes all seminar and conference material, morning coffee, lunches, refreshments and invitations to all of the special events. To speed up your check-in at the conference and to secure your spot, please pre-register.

FEES: The entire Conference Fee is due upon registration. Please pay by credit card, check, or bank transfer. See registration form for complete payment details.

SUBSTITUTIONS: Substitutions are permitted with written notification only.

CANCELLATION: Cancellations are permitted with written notification only. After 16 February 2002 a 20% service charge will be deducted from the total refund. No refunds will be given for cancellations received after 23 February 2002. No refunds will be given for non-attendance of any part of the QWE event. Refunds will be processed and sent by 11 May 2002.

CONFERENCE SITE: Quality Week Europe will be held at the luxurious Sheraton Twin Towers, 3 Rogier, B-1210 Brussels, Belgium.

HOTELS: Attendees will receive a special discounted rate at the Sheraton, Le Dome and the Hotel President Nord. Please make reservations early while rooms are still available. See website for details.

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☐ Conference + 1 Tutorial Day	USD$1550 Euro 1700	USD$1350 Euro 1450
☐ Conference + 2 Tutorial Days (FULL)	USD$1850 Euro 2000	USD$1600 Euro 1750

Group Registration: Register with your colleagues and save 10% of Conference and combined event rates.
Membership Discount: A 10% discount is available to members with a membership identification of any of the following cooperating organizations: ESI, GI, SAI, TestNet, CSE, DTF, OCG, SAST, TI/KVIV.
Academic/Student Discount: 50% discount is available to academics and students. Proof of status must be provided. (Discounts are not combinable.)

Please Choose Your Pre-Conference Tutorials:

Mon AM: A1 ☐ B1 ☐ C1 ☐ D1 ☐ E1 ☐   Mon PM: A2 ☐ B2 ☐ C2 ☐ D2 ☐ E2 ☐
Tues AM: F1 ☐ G1 ☐ H1 ☐ J1 ☐ K1 ☐   Tues PM: F2 ☐ G2 ☐ H2 ☐ J2 ☐ K2 ☐

Primary Job Function (Choose One):

☐ Tester   ☐ Analyst
☐ Developer   ☐ IT Specialist
☐ Web Developer   ☐ Project lead
☐ QA Engineer   ☐ QA Manager
☐ Development Manager ☐ Software lead
☐ Verification Engineer ☐ Other: _____

Technology Information:

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