

Conference Partner

ComputerScope
SOFTWARE QUALITY SYSTEMS

Premium Sponsors:



 **SOFTWARE & SYSTEMS
QUALITY CONFERENCES**
Ireland | 2009

THE ROLE OF TESTING IN IMPROVING PRODUCTIVITY

Conference Programme 2009

Tutorials 3 March 2009

Conference 4 March 2009

Croke Park Conference Centre

Dublin, Ireland



INTRODUCTION



Phil Codd
Conference Chairman

The Software and Systems Quality Conference returns to Ireland for the 2nd year running and will be held in Croke Park. In 2008 the inaugural Irish event at the IMI had over 200 people attending and in 2009 we expect many more.

The software industry in Ireland is a prolific one and being able to achieve the highest quality is vitally important to Irish ICT companies on a world market. There are many challenges in our ever changing environment and our Industry must be ready to overcome them.

As IT projects become larger and of a more strategic nature to the core business of any organisation, the importance of quality throughout the lifecycle of the programme has increased. Yet recent research shows we continue to underplay this critical element and this becomes more and more evident in the number of projects that under deliver.

Software quality and testing is rapidly becoming acknowledged as an IT sector in its own right. The upcoming conference has been designed to provide a forum for specialists and practitioners and to build a community dedicated to quality.

The conference in 2009 will address many practical aspects of Software Quality and will provide delegates with an exposure to the current thinking in this important area. The conference theme is "Getting the right quality at the right price" and will cover new ideas to software quality as well as best practices in this important area.

As the Chairman of the conference, I look forward to meeting you in Croke Park for the most important event in the software industry calendar.

Phil Codd

PROGRAMME COMMITTEE

We would like to thank the Programme Committee for their help and guidance in putting together this year's programme.

■ Bob Bartlett
SQS

■ Jim Bracken
GSI Ireland

■ Gerry Byrne
ICT Project Manager,
Education Skills Authority

■ Sarah Farrell
Centre for Software Engineering

■ Jim Friars
Irish Computer Society

■ Ian Graham
Momentum

■ Paul Hearn
Media Team

■ Tony Minogue
Glan Bia

■ Claire Murphy
SQS

■ Patrick O'Beirne
SoftTest Ireland

■ Fergal O'Riordan
Anglo Irish Bank

■ Justin Saunders
Microsoft

■ Norman Noonan
Irish Stock Exchange

■ Tim Willoughby
Local Government
Computer Services Board

SUPPORTING ORGANISATIONS



ENTERPRISE
IRELAND



TUTORIALS - TUESDAY 3 MARCH 2009

Croke Park Conference Centre 09.30 am - 05.00 pm

Tutorial Code	Tutorials	Speaker	Tick here for those which are of interest
T1	AGILE ACCEPTANCE TEST-DRIVEN DEVELOPMENT	Mike Scott	<input type="checkbox"/>
	<ul style="list-style-type: none"> Agile Acceptance Testing in context Moving from Stories to Acceptance Tests 		
T2	REQUIREMENTS TESTING	Joe Elledge	<input type="checkbox"/>
	<ul style="list-style-type: none"> Quantify the benefits of early requirements testing Use and compare several forms of static testing and their effectiveness 		
T3	MAKING TEST ENVIRONMENTS WORK	Julian Brook	<input type="checkbox"/>
	<ul style="list-style-type: none"> What is a test environment? How to use tools to automate test environment management 		
T4	EARLY ERROR DETECTION	Fran O' Hara Sogeti incorporating Insight	<input type="checkbox"/>
	<ul style="list-style-type: none"> Tips and techniques to improve the effectiveness and efficiency of reviews Skills to plan and manage reviews 		
T5	TEST CASE DESIGN	Shane Saunders	<input type="checkbox"/>
	<ul style="list-style-type: none"> Understand the process from deciding what to test to identifying test cases and writing test steps Use different techniques to identify test cases 		
T6	RE-THINKING TESTING FOR 2009: BETTER, FASTER AND CHEAPER AT THE SAME TIME	Paul Gerrard Gerrard Consulting	<input type="checkbox"/>
	<ul style="list-style-type: none"> Basic test principles or Axioms Group exercises in applying axioms to current work 		



THE CURRENT STATE OF TESTING AND SOFTWARE QUALITY IN IRELAND AND EUROPE

Bob Bartlett and Phil Codd
SQS



The conference opening will review the programme for the day and highlight special announcements and late programme changes. Delegates will receive the background to selected presentations which will help them select the presentations and sessions they wish to attend during the day.

The opening will also cover the state of testing and software quality in Ireland and Europe. Recent research carried out by SQS in 2008 reveals the trends in Ireland and compares these to trends in the rest of Europe. The research was independently conducted and shows the overall attitude to software testing, and the challenges for software quality professionals in 2009.

Some of the topics covered by this research will show how investments and expenditures in testing are paying off for companies as well as the strategies companies might be following to outsource their testing off-shore. The research also analyses how companies' budget for testing and to what extent testing teams should be independent from other software development and implementation groups. There is also revealing data about the real cost of poor testing to companies and the extent to which current testing practices prevent post-release problems of systems.



SUPERSONIC TESTING

Richard Noble
OBE

The world land speed record pushes car development to the ultimate: it's very much a part of our culture to pursue new records, but safely. Not many jet aircraft can go supersonic at low altitude and with dynamic pressures of 7.5 tonnes per square metre; the slightest failure of bodywork could cause instant destruction. Testing these extreme conditions on unproved technology is challenging and critically important. We tell how the ThrustSSC Team challenged the Americans and Formula 1 for the supreme motorsport title – the first supersonic land speed record. But since we were operating on just 12% of the F1 team budget we had to institute advanced agile company structures and incorporate highly efficient development and testing– while all the time being safe. There was no alternative – there never was the budget for a traditional relaxed hierarchical and sequential operation. This was a company that had to remain safe and grow at 300% per annum. New technology requires iterative development and testing – agile suits perfectly!

And we'll also explain the extraordinary update – how we decided to build the ultimate land speed record car – the Bloodhound SSC – a car with 1000mph /Mach 1.4 potential and powered by a Eurofighter engine boosted by one of the largest hybrid rockets ever made. The fuel pump requires the same power as an F1 car engine. We'll have the car by Q4 2009 and we'll run it in 2010. It will go from zero to 1600km/hr in 40 seconds. This is faster than a Magnum 357 handgun bullet! Bloodhound SSC will also take the world low level airspeed record. The last time that cars were faster than planes was in the 1920's. Motor racing has never been so exciting.



IRISH TECHNOLOGY - BUILDING A REPUTATION FOR QUALITY

Barry O'Leary
Chief Executive of the Investment & Development Agency (IDA)

Ireland has a global reputation as a technology partner. Many years of successful technology companies moving to Ireland and growing in Ireland has improved the ability to innovate and deliver technology solutions for the market place as well as Irish companies and governmental organisations. The Global growth of IT services has seen other companies trying to replicate the successes of Ireland. The need for cost reduction has been the main driver for choosing developing companies to source IT labour requirements.

Ireland must now re-establish itself as a global leader in quality IT solutions and services. Many developers of technology now see the need for consistent and predictable quality more important than cost reduction as a main driver for sourcing. Excellence in quality starts at home and grows globally through Irish partnerships with technology leaders throughout the world. This presentation will cover the initiatives and techniques that must be initiated and adopted to achieve superior software quality in all aspects of technology programmes and products.

CONFERENCE DAY – WEDNESDAY, 4 MARCH 2009

9.00 - 9.45

CONFERENCE OPENING

ROOM Hogan Mezzanine 2

THE CURRENT STATE OF TESTING AND SOFTWARE QUALITY IN IRELAND AND EUROPE

Bob Bartlett and Phil Codd, SQS

9.45 - 10.30

KEYNOTE

ROOM Hogan Mezzanine 2

IRISH TECHNOLOGY – BUILDING A REPUTATION FOR QUALITY

Barry O'Leary, Chief Executive of the Investment & Development Agency (IDA)

10.30 - 11.15

COFFEE BREAK

TESTING TECHNIQUES

ROOM Hogan Mezzanine 1

Chair: Claire Murphy, SQS

Time 11.15 to 12.00

Software Testing in a Validated Environment

Fergal Tierney
Almac Sciences

Time 12.00 to 12.45

A Thinking Framework for Context - Driven Test Documentation

Matthew Archer
Ivar Jacobson International

QUALITY TECHNIQUES

ROOM Hogan Mezzanine 3

Chair: Ian Graham, momentum

Time 11.15 to 12.00

The Software Quality Discipline at Microsoft

Justin Saunders
Microsoft

Time 12.00 to 12.45

Measurement as Part of Requirements Quality Management

Marty Sanders, Irene Caulfield
Lero

MANAGEMENT

ROOM Hogan Mezzanine 2

Chair: Jim Bracken, GSI Ireland

Time 11.15 to 12.00

Software Lifecycle Standards for Very Small Software Companies

Rory O'Connor, Irish Software Testing Board
Marty Sanders, Lero

Time 12.00 to 12.45

Evolving Testing from a Project Organisation to a Central Organisation

Mark Mitton
Lloyds TSB

12.45 - 1.45

LUNCH

TESTING TECHNIQUES

ROOM Hogan Mezzanine 1

Chair: Justin Saunders, Microsoft

Time 1.45 to 2.30

Theory and Experience of Testing in a Service Oriented Architecture

Paul O'Malley, David Rigler
SQS

QUALITY TECHNIQUES

ROOM Hogan Mezzanine 3

Chair: Fergal O'Riordan, Anglo Irish Bank

Time 1.45 to 2.30

Testing OR Quality - What Do We Really Want?

Craig Thomas
Pioneer Investments

MANAGEMENT

ROOM Hogan Mezzanine 2

Chair: Patrick O'Beirne, SoftTest Ireland

Time 1.45 to 2.30

Managing Agile Testing

David Espley
Progressive Media

2.30 - 3.00

COFFEE BREAK

3.00 - 4.00

KEYNOTE

ROOM Hogan Mezzanine 2

SUPERSONIC TESTING

Richard Noble, OBE

Time 4.00 to 4.45

Importance of Good Behaviour in Test-Driven Development

Tara Simpson
Instil Software

Time 4.45 to 5.30

Expert Tools for System & Performance Testers

Trevor Parsons
UCD

Time 4.00 to 4.45

Outsourcing is a good idea, but how do we keep control of Quality Management?

Patrick McAliskey, Novosco

Time 4.45 to 5.30

Testing in Turbulent Times - Surviving the Credit Crunch

Paul Gerrard
Gerrard Consulting

Time 4.00 to 4.45

Data Protection Issues in a Test Environment

Hugh Jones
ICS

Time 4.45 to 5.30

Product Management and the Testing Team

Mary Ryan
Product Innovator

5.30 - 6.30

NETWORKING SESSION

FAX REGISTRATION: +353 (0) 1 670 9917

PLEASE COPY THE REGISTRATION FOR ADDITIONAL DELEGATES

BINDING REGISTRATION (PLEASE TICK)

- Tuesday, 3 March T1 T2 T3 T4 T5 T6
- Wednesday, 4 March Conference
 Stadium Tour at 17.30 h (30 minutes, included in conference fee)
 Networking Session

▷ **Tutorials and Conference take place at the Croke Park Conference Centre, Dublin 3**

DELEGATE

Full Name _____ Mr. Mrs. Ms.

Contact Name _____ Mr. Mrs. Ms.

Company _____

Job Title _____

Street/P.O. Box _____

Postal Code/City _____

Country _____ E-Mail _____

Phone/Fax _____

Date _____ Signature _____

REGISTRATION PROCESS

Please register by fax, mail, or internet. After receipt of your registration we will send you a confirmation.
FEES are subject to 21.5% VAT for all delegates.
CANCELLATIONS must be received in writing and are subject to a 20% fee after 22 February 2009.
 No refunds can be made after 27 February 2009.

DELEGATE FEES (prices are per person exclusive of VAT)

CONFERENCE	TUTORIAL
€ 395.00	€ 325.00

The conference fee includes conference proceedings, lunch, snacks and networking session.

PAYMENT

CREDIT CARD INVOICE

Visa Please bill my company

Mastercard/Eurocard PO number _____

Switch

Card number _____

Expiry Date _____

CSC number* _____

Card holder _____ Signature _____

Card Statement Address _____

*This number consists of the last three digits in the signature panel on the back of your card.

DISCOUNTS

- ▷ For registration by 23 January 2009, a 5% discount will be granted.
- ▷ The discount for Supporting Organisations is 15%.
- ▷ Students can participate at a reduced rate of 50%. Please attach a copy of your student ID.
- ▷ Only one discount per registration.



SQS Software Quality Systems (Ireland) Limited | 4-5 Dawson Street | Dublin 2
Phone: +353 (1) 670 9916 | Fax: +353 (0) 1 670 9917
E-Mail: ire@sqqs-conferences.com | Web: www.sqqs-conferences.com/ire