# Table of Contents

## Presentations on April 2, 2003

### Track: eXtreme Programming and Testing
- **Kent Beck**
  - Three Rivers Institute (USA)

### Track: Software Reliability over the Life Cycle: Expectations and Reality in the Automotive Industry
- **Joachim Hauser**
  - BMW (D)

## Testing from the Management Perspective
- **Chair: Lawrence E. Day, Boeing (USA)**
  - **Why and How to Establish a Test Organisation within IBM**
    - **Jan Schaumburg**
    - IBM Global Services (D)
  - **The Role of Software Testing in Procurement - A Lawyer's Perspective**
    - **Robert Shooter**
    - Tite & Lewis (UK)
  - **Test Documentation from the Auditor's Perspective**
    - **Werner Schmidgruber**
    - Deutsche Genossenschafts- Revision (D)
  - **An Executive Review of Outsourcing Testing**
    - **Bob Bartlett**
    - SIM/SQS (UK)

## Testing Automotive and Embedded Systems
- **Chair: Begonia Laibarra, SQS (E)**
  - **Testing Embedded Software from Different Suppliers**
    - **Maurice M. Siteur**
    - CAP Gemini Ernst & Young (NL)

## Testing Automotive and Embedded Systems
- **Chair: Rafael Rodriguez, GTD (E)**
  - **Automatic Test Procedures for Restraint Systems Electronics**
    - **Martin Schweizer**
    - Robert Bosch (D)
  - **Test Lessons learnt at Alcatel**
    - **Helena Rosado**
    - Alcatel (PT)
  - **Strategic Planning of QA Activities for Safety Critical Software**
    - **Bettina Buth**
    - astrium Space Infrastructure (D)
Table of Contents

Test Preparation: Test Cases and Test Data
Chair: Hans Schaefer, Software Test Consulting (N)

- Automated Boundary-Value Test Generation from Specifications
  - Method and Tools
  Bruno Legeard
  University of Franche-Comte (F)

- Automated Model-Based Test Preparation and Evaluation:
  Current Work at Microsoft Research
  Wolfgang Grieskamp
  Microsoft Research (USA)

- Risk-Based Testing - a Common Language for Project Stakeholders
  Mike Russell
  Insight Consulting (IRL)

- Managing a Large Scale Testing Programme
  Colin Wilson
  Lloyds TSB PrivateBank (UK)
### Presentations on April 3, 2003

#### E-Business Performance Testing and Management
**Keynote**
Umang Gupta  
Keynote Systems (USA)

#### Test Processes and Improvement
**Chair:** Rob Dekker, SQS (NL)

- **Using SPICE (ISO/IEC TR 15504) Self-Assessments for Improving the Test Process**  
  Ole Fischer  
  Ericsson Eurolab (D)

- **Integrated Test Design and Automation: a Key to Higher Efficiency**  
  Bärbel Aissen  
  DB Systems (D)

#### Testing Airborne and Safety Critical Systems
**Chair:** Peter Heller, Airbus (D)

- **Verification of Control Coupling in Avionics Systems**  
  James Chelini  
  Verocel (USA)

- **Looking with Software Eyes on Digital Devices**  
  Ilja Waigl  
  Airbus (D)

- **Systems Process Assurance**  
  Ron Ashpole  
  Airbus (UK)

- **Hard Real-Time Test Tools - Concepts and Implementation**  
  Jan Peleska, Cornelia Zahlten  
  University of Bremen (D)

- **Certification Lessons Learned and Best Practices**  
  Cheryl Dorsey  
  Digital Flight (USA)

#### Test Process Automation
**Chair:** Dorothy Graham, Grove Consultants (UK)

- **The Test Environments for a Large Post Merger Integration Project**  
  Terry Stephens  
  Royal Bank of Scotland (UK)

- **Minimizing Test Maintenance Costs through Test Case Generation**  
  Stefan Mohacsi  
  Siemens (A)

---

**Table of Contents**
Test Process Automation
Chair: Fernando Lamas de Oliveira, SQS (PT)

- Test Coverage Measurement of a Complex Client/Server System
  Harry M. Sneed
  Software Data Service (A)

- Test Infrastructure Management for a Client Server System
  Johannes Imgrund
  WestLB Systems (D)

- Avoiding the Oxymoron of Programming Tests: The Implementation of Automated Testing at the AMSBG
  Dagmar Pill
  Arbeitsmarktservice Betriebsges. (A)

Benchmarking, APM, Testing and Tuning
Chair: Jan Vytopil, University of Nijmegen (NL)

- Automated Performance Management for z/OS & OS 390 Applications—an Integral Part of Software Life Cycle
  Peter Willmann
  Compuware (D)

- Certifying Internal Quality of Large Software Systems
  Walter Bischofberger, Software-Tomography (D)
  Frank Simon, SQS (D)

- A Performance Testing Strategy for Continuous Tuning
  Stefan Baumhoff
  Pallas (D)

- Testing with Attitude
  Richard Morreale
  Pulse 8 LTD (UK)

Dinner Speech
Presentations on April 4, 2003

Track

Testing for Certification
Lloyd Holder
NSTL National Software Testing Labs (USA)

Keynote

Testing in Agile and XP Projects
Chair: Erkki Pöyhönen, Nokia (FIN)

- Testing Interactive Incremental Development, Sticking to the Principles
  Penny Rich
  Merck Sharp & Dohme (B)

- Testing in Agile Web Development
  Henk van Merode
  KLM (NL)

- Experiences from Agile Development Projects
  Martin Lippert
  University of Hamburg (D)

Testing for Certification
Chair: Bob Bartlett, SIM/SQS (UK)

- Testing in Mobile Platform - Case: Nokia OK
  Risto Helin
  Nokia (FIN)

- Certification Testing Procedures for Payment Terminals
  Francis Ceuterick
  Electronic Payment Certification Institute (B)

- Certification Testing for Applications on Microsoft Mobile Platforms
  David Marutiak
  Microsoft Mobile Devices Division (USA)

- Performance Testing for a Agreed Service Level
  Guy Yeomans
  WestLB, (UK)

- Software Architecture for Wireless Carrier / Manufacturers Automated Software Test
  Mitch Krause
  TestQuest, (USA)
Testing SAP Implementations
Chair: Heiner Diesteldorf, SQS (D)

- Solution, Scenario and Component Validation at SAP
  Britta Stengl
  SAP (D)

- MARC X - SAP and Interface Testing: Case Study of an International Bank
  Harald Schneider
  Dresdner Bank (D)

- Automated Scenario Testing of a Complex System Landscape for Canada Post
  Christoph Mecke
  SAP (D)

Reviews and Inspections
Chair: Zulfikar Saleh, Fiducia (D)

- Use of Inspections as a Risk Mitigation Tool
  Lawrence E. Day
  Boeing (USA)

- A Collaborative Tool for Geographically Dispersed Inspection Teams
  Filippo Lanubile
  University of Bari (I)

Testing and Traceability of Requirements
Chair: Andreas Spillner, University of Bremen (D)

- Focus the Testing through Traceable Requirements
  Erkki Pöyhönen
  Nokia (FIN)

- Regression Testing Challenges in DSL Network Management Systems
  Sascha Koch
  Marconi (D)