

• • • • CONFERENCE PROGRAM AT-A-GLANCE • • • •


WEDNESDAY, 18 MAY 1994 — PLENARY SESSION

TIMES	PLENARY SESSION #1: (Papers 1-1, 1-2, 1-3,1-4)
8:30 - 10:00	Dr. Edward Miller: <i>Conference Introduction by Program Chairman</i> Dr. Monika Muellerburg: <i>Why Systematic Testing is Difficult: The Problem of the Sample</i> Mr. Shel Siegel: <i>Where Are the Software Quality Leaders and What Are They Doing?</i>
10:00 -10:30	COFFEE and NETWORKING BREAK
10:30 -12:00	Mr. Robert Binder: <i>Testing Object-Oriented Systems: State of the Art, State of the Practice</i> Mr. Walter Ellis: <i>National Software Council: Status of the Initiative</i>

12:00: Testing Tools Vendor Exhibit Opens
12:30: Dessert served in the Vendor Exhibit Hall

12:00: CONFERENCE LUNCH

WEDNESDAY, 18 MAY 1994 — AFTERNOON SESSIONS

TIMES	TECHNOLOGY (2-T)	APPLICATIONS (2-A)	MANAGEMENT (2-M)
1:30 - 3:00	OO Testing A. Parrish, D. Cordes & M. Govindarajan: <i>Systematic Defect-Removal from Object-Oriented Modules</i> J. McGregor: <i>Selecting Functional Test Cases for a Class</i>	Case Studies G. Triantafyllos & S. Vassiliadis: <i>Experiments with Error Prediction Models</i> J. Whittaker & K. Agrawal: <i>A Case Study in Software Reliability Measurement</i>	Maintenance Issues K. Wefelmeyer: <i>Developing a Change Management System</i> W. Siddique: <i>Some Actual Results Pertaining to Software Development and Maintenance Costs and Software Quality</i>
3:00 - 3:30	COFFEE and NETWORKING BREAK IN THE VENDOR EXHIBIT HALL		
3:30 - 5:00	B. Bently: SPECIAL DEBATE #1 <i>Capturing Requirements</i> G. Bernot, V. Crandall, A. Miller, K. Rubin, & J. Woodcock	Real-World Experiences I J. Bach: <i>Process Evolution in a Mad World</i> W. Wolters: <i>Automated GUI Testing: Much More Than Regression Testing</i>	Novel Approaches P. Middleton: <i>Just-In-Time Software Development</i> M. White: <i>Requirements: A Quick and Inexpensive Way to Improve Testing</i>
5:15 - 6:00	SPECIAL DEBATE #2 <i>Must Software Testing Be Infinite?</i> J. Woodcock & M. Mac-an-Airchinnigh:	<p align="center">Quality Week is sponsored by Software Research. Setting the Standard for Software Excellence. </p>	

THURSDAY, 19 MAY 1994 — MORNING SESSIONS

TIMES	TECHNOLOGY (3-T)	APPLICATIONS (3-A)	MANAGEMENT (3-M)
8:30 - 10:00	New Technology M. Hermenegildo: <i>Abstract Interpretations of Programs</i> L. White & F. Afifi: <i>A Method for Testing Nonlinear Software</i>	Testing OO Developments C. Ebert & I. Morschel: <i>Making Object-Orientation Fit for Reuse</i> P. Juettner, P. Zimmerer, U. Naumann, & S. Kolb: <i>A Complete Test Process in Object-Oriented Software Development</i>	Lessons Well-Learned W. Meyer: <i>Internal Consulting on Software Quality at Bank of America</i> R. Gordon: <i>Silver Bullet Key Learnings in Software Test</i>
10:00 - 10:30 COFFEE and NETWORKING BREAK IN THE VENDOR EXHIBIT HALL			
10:30 - 12:00	Assertion Approaches D. Hoshizaki & B. Mueller: <i>Using Semantic Assertion Technology to Test Application Software</i> S. McCarron & M. Evans: <i>The Assertion Definition Language Project</i>	Test Automation D. Pope: <i>Automation of Interactive Testing</i> J. Hogan: <i>SYSTEST Workbench: A Tool For Automated Telephony Testing</i>	H. Kugler: <i>What's on in Europe? European Software Quality Initiatives</i> SPECIAL 90-MINUTE MINI-TUTORIAL

10:00: Testing Tools Vendor Exhibit Opens
 12:00: CONFERENCE LUNCH
 12:30: Dessert served in the Vendor Exhibit Hall

THURSDAY, 19 MAY 1994 — AFTERNOON SESSIONS

TIMES	TECHNOLOGY (4-T)	APPLICATIONS (4-A)	MANAGEMENT (4-M)
1:30 - 3:00	Methods and Validation W. Howden: <i>Systematic Informal Software Analysis and Testing Methods</i> H. Zuse: <i>Quality Measurement — Validation of Software Measures</i>	Avionics Quality N. Peccia: <i>The Challenge of Integration, Test & QC for Real Time Spacecraft Control & On-Board Software Systems</i> T. Keller: <i>Ensuring Quality of the Space Shuttle Primary Avionics Software</i>	Personnel Issues S. Rabin: <i>Managing Software Quality, The Next Generation: Turning Host Developers into Object Technicians</i> M. Dyer: <i>An Evaluation of the Taguchi Method</i>
3:00 - 3:30 COFFEE and NETWORKING BREAK IN THE VENDOR EXHIBIT HALL			
3:30 - 5:00	Debugging and Testing F. Bourdoncle: <i>Automatic Compile-Time Debugging</i> M. Harman & S. Danicic: <i>A New Approach to Program Slicing</i>	OO-Based Test Processes A. Serra & P. Nesi: <i>Object-Oriented Approach for a Non-Invasive, Automatic Testing Tool</i> S. Siegel: <i>Automating Integration Testing for OO Projects</i>	SEI-CMM Model Issues G. Daich: <i>Improving the Software Test Process Using the Capability Maturity Model</i> W. Deibler: <i>Exploring the Relationship between ISO 9001 and the SEI Capability Maturity Model</i>

5:00: Testing Tools Vendor Exhibit Closes

5:00 p.m. - 6:00 p.m. **COCKTAIL PARTY**
 Courtesy of the Vendors in the Exhibit Area
 Live Music with Paul Price's Society Orchestra

FRIDAY, 20 MAY 1994 — MORNING SESSIONS

TIMES	TECHNOLOGY (5-T)	APPLICATIONS (5-A)	MANAGEMENT (5-M)
8:30 - 10:00	Software Safety J. Gill: <i>Software Safety Analysis in Heterogeneous Multiprocessor Control Systems</i> F. Ouabdesselam & I. Parissis: <i>Testing Safety Properties on Synchronous Critical Software</i>	Real-World Experience II K. Thelen, A. Srivastava & R. Weber: <i>Automated Requirements-Based Testing: A Real World Experience</i> J. Maybee: <i>True Stories: A Year in the Trenches with MOTHER</i>	Successful Test Processes R. Drabick: <i>A Process for Formal Test Design</i> R. Sherman: <i>Shipping World-Class Products on Time: A View of Development and Testing at Microsoft</i>
10:00 - 10:30 COFFEE and NETWORKING BREAK			

FRIDAY, 20 MAY 1994 — PLENARY SESSION

TIMES	PLENARY SESSION #2: (Papers 6-1, 6-2, 6-3)		
10:30 - 1:00	Dr. John D. Musa: <i>Software Reliability Engineering Practice</i> Dr. Herb Hecht: <i>Software Dependability in Distributed Systems</i> Dr. Boris Beizer: <i>On Being Competitive</i> Dr. Edward Miller: <i>Conference Conclusion by Program Chairman</i>		

VENDOR PRESENTATIONS

WEDNESDAY, 18 MAY 1994 — AFTERNOON SESSIONS	
1:30 - 3:00	<p>Mr. Richard Bender Bender and Associates <i>Introduction to Requirements Based Testing</i></p> <p>Mr. Jeff Payne Reliable Software Technologies Corp. <i>The PISCES Software Testability Tool: Adding Intelligence to the Testing Process</i></p>
3:00 - 3:30	Networking Break in Vendor Exhibit Hall
3:30 - 5:00	<p>Mr. Thomas Gary KPMG Peat Marwick <i>Software Quality Center: Consulting Approach and Services</i></p> <p>Mr. Gilbert A. Iacono AccuWare, Inc. <i>Focus on Test Results, Not Process: Assemble a Test Plan on Expected Outcomes, then Monitor to Ensure Success</i></p>
THURSDAY, 19 MAY 1994 — MORNING SESSIONS	
8:30 - 10:00	<p>Mr. Douglas Turner Sterling Software <i>Building a SQM Repository</i></p> <p>Mr. Naresh Bala CenterLine Software, Inc. <i>Testing During the Programming Process</i></p>
10:00 - 10:30	Networking Break in Vendor Exhibit Hall
10:30 - 12:00	<p>Mr. Douglas Magie Software Research, Inc. <i>Software TestWorks (STW) — Tool Integration Considerations</i></p> <p>Ms. Linda Hayes AutoTester, Inc. <i>Automated Testing for Graphical Environments</i></p>
12:00	Lunch
12:30	Dessert Served in Vendor Exhibit Hall
THURSDAY, 19 MAY 1994 — AFTERNOON SESSIONS	
1:30 - 3:00	<p>Mr. George Scott Softbridge, Inc. <i>Methodological Questions for Testing Client/Server GUI Applications</i></p> <p>Mr. Mitchel H. Krause B-Tree <i>Decision Steps Required to Implement an Automated Software Test Process</i></p>
3:00 - 3:30	Networking Break in Vendor Exhibit Hall
3:30 - 4:15	<p>Mr. Jay Xiong International Software Automation, Inc. <i>Problems and Solutions of C++ Program Testing and Quality Measurement</i></p>

VENDOR EXHIBIT HALL HOURS		
Wednesday	May 18	12:00 p.m. — 6:00 p.m.
Thursday	May 19	10:00 a.m. — 5:00 p.m.