



TUTORIALS AND CONFERENCE MASTER SCHEDULE

TUESDAY, 14 MAY 1991 – TUTORIALS			
TIMES	TUTORIAL A	TUTORIAL B	TUTORIAL C
8:30 - 10:00 <i>Coffee Break</i> 10:30 - 12:00	B. Beizer: <i>Survey of Software Test Methods</i>	W. Harrison: <i>Software Complexity Metrics: Foundations and Applications</i>	M. Dyer: <i>Verification Based Inspections</i>
12:00 - 1:30	LUNCH	LUNCH	LUNCH
	TUTORIAL D	TUTORIAL E	TUTORIAL F
1:30 - 3:00 <i>BREAK</i> 3:30 - 5:00	E. Miller: <i>Automated Software Testing</i>	D. Meredith: <i>Measuring Software Productivity and Quality Gains</i>	Leonard White: <i>Function Point Analysis</i>

□ □ □ COMPLETE CONFERENCE PROGRAM □ □ □

WEDNESDAY, 15 MAY 1991 – MORNING SESSION	
TIMES	PLENARY SESSION #1: ATTAINING REALISTIC PRODUCTIVITY AND QUALITY GAINS
8:30 - 10:00	<ul style="list-style-type: none"> • Dr. Edward Miller: <i>Conference Introduction</i> • Mr. Rodger Drabick: <i>Keys to Software Quality</i> • Dr. Boris Beizer: <i>Assessment of Advanced Methods: Multi-processor, Data Flow, Domain Testing</i>
10:00 - 10:30	COFFEE BREAK
10:30 - 12:00	<ul style="list-style-type: none"> • Prof. Elaine Weyuker: <i>Selecting and Evaluating Software Test Data Using Data Flow Criteria</i> • Dr. Leonard White: <i>Overview of Function Point Counting</i> • Dr. Edward Miller: <i>Conference Overview</i>

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WEDNESDAY, 15 MAY 1991 – AFTERNOON SESSIONS			
TIMES	TECHNOLOGY	APPLICATIONS	MANAGEMENT
1:30 - 3:00	Software Test Systems <ul style="list-style-type: none"> • P. Kennedy: <i>Multi-Product Multi-Platform Testing</i> • K. Stobie: <i>The SOPHIE Test System</i> 	Real-World Experience <ul style="list-style-type: none"> • T. Tillson: <i>Testing HP's SoftBench</i> • J. Falasco: <i>QA in the Client Server Environment: A Case Study</i> 	New Initiatives <ul style="list-style-type: none"> • D. Storch: <i>Achieving 'Big Q' Quality in a Software Environment</i> • B. Wachtel: <i>Using An Analysis Database</i>
3:00 - 3:30	REFRESHMENTS	REFRESHMENTS	REFRESHMENTS
3:30 - 5:00	Regression Testing <ul style="list-style-type: none"> • M. Harrold: <i>Regression Testing, Test Selection, and Test Management</i> • Lee White: <i>A Study of Regression Testing: Unit, Integration, System Levels</i> 	The Software Process <ul style="list-style-type: none"> • J. Mogilensky: <i>Improving the Software Process</i> SPECIAL 90-MINUTE MINI-TUTORIAL	Community Perspectives <ul style="list-style-type: none"> • F. Fichoux-Vapne: <i>Quality Evaluation and Certification in Europe</i> • L. Bass: <i>Medical Software: The New Medical Devices Act Explained</i>

THURSDAY, 16 MAY 1991 – MORNING SESSIONS			
TIMES	TECHNOLOGY	APPLICATIONS	MANAGEMENT
8:30 - 10:00	CASE Futures <ul style="list-style-type: none"> • E. Miller: <i>CASE in the 1990s: A Survey of Coming Technology</i> SPECIAL 90-MINUTE TALK	Special Aspects <ul style="list-style-type: none"> • R. Troy: <i>V&V Technology for Real-Time</i> • B. Kolkhorst: <i>Developing Highly Reliable Software</i> 	Applying Metrics <ul style="list-style-type: none"> • B. Stahl: <i>How to Predict Usability Problems</i> • M. Perdue: <i>Using Results in Software Test Planning</i>
10:00 - 10:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:30 - 12:00	Advanced Testing <ul style="list-style-type: none"> • B. Bently: <i>A Comparison of Two Path Test Strategies</i> • C. Carlesi: <i>Automated Program Structure Analysis</i> 	Methods' Effectiveness <ul style="list-style-type: none"> • A. Mathur: <i>Comparing the Effectiveness of Data Flow and Mutation Testing</i> • P. Frankl: <i>Is Data Flow Testing More Effective Than Branch Testing?</i> 	Industry Experience <ul style="list-style-type: none"> • P. Fawcett: <i>The Evolution of Quality at Microsoft Corporation</i> SPECIAL 90-MINUTE MINI-TUTORIAL



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THURSDAY, 16 MAY 1991 – AFTERNOON SESSIONS			
TIMES	TECHNOLOGY	APPLICATIONS	MANAGEMENT
1:30 - 3:00	CASE-Based Methods • B. Sherlund: <i>Modification Oriented Software Testing</i> • B. Gill-Price: <i>Applying Software Metrics in Development</i>	Novel Approaches • L. Schroath: <i>Achieving Quality Through Software Reuse</i> • R. Palmer: <i>Implementing Software Quality Metrics</i>	Organizational Development • V. Crandall: <i>Building an Internal Software Test Organization</i> SPECIAL 90-MINUTE MINI-TUTORIAL
3:00 - 3:30	REFRESHMENTS	REFRESHMENTS	REFRESHMENTS
3:30 - 5:00	DEBATE • B. Bently (Chairman): <i>Battle of the Testing Gurus</i> SPECIAL 90-MINUTE DEBATE	New Looks • D. Patrick: <i>Pieces of the Testing Tool Puzzle</i> • P. Frankl: <i>Testing Object Oriented Programs with ASTOOT</i>	Professional Community • N. Stewart: <i>Software Quality Activities in the ASQC</i> • Dough Hoffman: <i>Assessing Quality in Software Projects</i>

VENDOR SHOWCASE: Thursday, 16 May 1991: 10:00 AM – 7:00 PM
Conference Cocktail Hour: Thursday, 16 May 1991: 5:30 – 7:00 PM

FRIDAY, 17 MAY 1991 – MORNING SESSIONS			
TIMES	TECHNOLOGY	APPLICATIONS	MANAGEMENT
8:30 - 10:00	Test Data Mechanics – I • Y. Mayadoux: <i>PYFF: A Numerical File Comparator</i> • B. Korel: <i>Automated Generation of Program Test Data</i>	Improving Existing Systems • M. McFarland: <i>Software Productivity and Quality: A New Paradigm</i> • Dan Hoffman: <i>Software Upgrades: Improving the Installed Base</i>	Leveraging Technology • S. Pfleeger: <i>Evaluating Software Productivity and Quality</i> • S. Hofstetter: <i>Tracking to Achieve Quality Software</i>
10:00 - 10:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:30 - 12:00	Test Data Mechanics – II • B. Sundermeier: <i>Test Cases from CASE</i> • R. Prather: <i>Hierarchical Metrics and Program Structure</i>	Trustedness Issues • R. Hamlet: <i>Foundations of Program Testing: Can Tested Software be Trusted?</i> SPECIAL 90-MINUTE MINI-TUTORIAL	Real-World Experience • T. Anton: <i>Testing in Real-World Circumstances: A Case Study</i> • L. Niech: <i>Starting up an Automated Test Group: Problems and Payoffs</i>

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FRIDAY, 17 MAY 1991 – AFTERNOON SESSION	
TIMES	PLENARY SESSION #2: ATTAINING REALISTIC PRODUCTIVITY AND QUALITY GAINS
1:30 - 3:00	• Dr. Richard Selby: <i>Measurement-Driven Analysis and Feedback Processes</i> • Dr. Mario Fusani: <i>Software Quality: The Bridge between Research and Practice</i> • Dr. Edward Miller: <i>Conference Conclusion</i>

ACCOMMODATIONS: SR's Quality Week 1991 will be held at the conference facility of:

THE HYATT AT FISHERMAN'S WHARF
 550 North Point, San Francisco, CA 94133

HOTEL PHONE: [1] (415) 563-1234 • HOTEL FAX: [1] (415) 563-2218

We have reserved a limited number of rooms at the Hyatt at Fisherman's Wharf at a special QW-91 Conference Rate of \$125/night, single or double. For reservations please call the Hyatt direct, and mention SR's Quality Week '91 event to obtain this special rate. Rooms are being held until 19 April 1991. Baby sitting facilities are available. Use of the hotel swimming pool and health club is included.