

4WCSQ – September 15-18, 2008
Hyatt Regency Bethesda
Bethesda, Maryland
MEETING AGENDA (as of August 12, 2008)

Monday – September 15, 2008

7:00 a.m. – 8:30 a.m. Tutorial Registration
7:00 a.m. – 8:00 a.m. Continental Breakfast (morning tutorials only)
8:00 a.m. – Noon
Tutorial 01 Instructor: Larry Constantine
Software for Use: An Introduction for Software Quality Professionals
Tutorial 02 Instructor: Herb Krasner
Introduction to Software Quality Concepts for Novices
Tutorial 03 Instructor: Tim Kasse
The Recursive Nature of Requirements Development
Tutorial 04 Instructor: Mark C. Paulk
Organizational Learning for Software Process Improvement
Tutorial 05 Instructors: Timothy G. Olson, Jairus Hihn, and Scott Lewicki
How to Define and Implement Practical Software Engineering Metrics
Tutorial 06 Instructor: Louise Tamres
Test Design Techniques
Tutorial 07 Instructor: Dave Zubrow
Using Six Sigma to Implement CMMI High Maturity Practices
10:00 a.m. – 5:00 p.m. Conference Registration and Book Store
Noon – 1:00 p.m. Lunch (for attendees taking both a morning and afternoon tutorials)
1:00 p.m. – 5:00 p.m.
Tutorial 08 Instructors: Timothy G. Olson, Scott Lewicki, and Steve Flanagan
How to Define Lean Processes and Procedures
Tutorial 09 Instructor: Rebecca Staton-Reinstein
Learning from the Pioneers: What Today's Software Quality Professionals can Learn...
Tutorial 10 Instructor: Linda Westfall
Software Configuration Management
Tutorial 11 Instructor: Richard E. Biehl
Data Quality Issues in Enterprise Data Warehousing
Tutorial 12 Instructor: Bill Curtis
Measuring the Technical Quality of Software at the Systems Level
Tutorial 13 Instructor: Rex Black
The ISTQB Advanced Syllabus: Guiding the Way to Better Testing
Tutorial 14 Instructor: Gary Gack
Fusion: Integrating Lean Six Sigma and Software Best Practices

Tuesday – September 16, 2008

7:00 a.m. – 4:00 p.m. Conference Registration and Book Store
7:00 a.m. – 8:00 a.m. Continental Breakfast with Sponsors and Exhibitors
7:00 a.m. – 7:00 p.m. Exhibits Open
8:00 a.m. – 8:30 a.m. **Opening and Welcome** Speaker: Linwood Rose
8:30 a.m. - 9:15 a.m. **Keynote Address** Speaker: Capers Jones
Software Quality in 2008: A Survey of the State of the Art
9:30 a.m. – 10:30 a.m. **Session A1*** Speaker: Herb Krasner
Modeling and Forecasting the Cost of Software Quality: What's Next?
**Previously scheduled as Session H1 – Wednesday, September 17 – 9:30 a.m. – 10:30 a.m.*
Session A2 Speaker: Jeff Dalton
Agile CMMI
Session A3 Speaker: Tim Kasse
Twenty Points for Quality and Process Improvement – An Updated Look at the Principles...
Session A4 Speaker: Rex Black
Stranger in a Strange Land: The IT Professional in an Outsourced Project
Session A5* Speaker: Carol Dekkers
Scope Management for Adults: A 12-Step Recovery Program for ICT Projects
**Previously scheduled as Session M2 – Thursday, September 18 – 1:30 p.m. – 2:30 p.m.*

Tuesday – September 16, 2008 (continued)

10:30 a.m. – 11:00 p.m.	Refreshment Break
11:00 a.m. – Noon	Session B1 <u>Speaker:</u> John Balza <i>Management Commitment to Quality Requires Measures</i>
	Session B2 <u>Speaker:</u> Taku Fujii <i>Design Quality with Different Design Strategies in Agile Software Development</i>
	Session B3 <u>Speaker:</u> Gregory Wust <i>Software Quality Improvement Using the Identify-Measure-Improve Approach</i>
	Session B4 <u>Speaker:</u> Xin Li <i>Practice in Software Metrics Processes for Outsourcing Projects</i>
Noon – 12:45 p.m.	Networking Lunch with Sponsors and Exhibitors
12:45 p.m. – 1:30 p.m.	Keynote Address <u>Speaker:</u> Larry Constantine <i>User Experience, User Performance, and Software Quality</i>
1:45 p.m. – 2:45 p.m.	Session C1 <u>Speaker:</u> Stephen Kan <i>Manage and Measure In-Process Software Quality</i>
	Session C2 <u>Speaker:</u> Richard Messnarz <i>Team Assessments and Learning Organizations in Automotive – Learning from Best Projects</i>
	Session C3 <u>Speaker:</u> Celeste Yeakley <i>Mapping for Quality – Past, Present, and Future</i>
	Session C4 <u>Speaker:</u> Noriko Iizumi <i>The Effective Method for Offshore Software Development</i>
2:45 p.m. – 3:00 p.m.	Refreshment Break
3:00 p.m. – 4:00 p.m.	Session D1 <u>Speaker:</u> Guenther Limboeck <i>Measuring the Quality of Standard Software: The SAP Quality Index</i>
	Session D2 <u>Speaker:</u> Hironobu Aoki <i>Workshop-Driven Software Process Improvement</i>
	Session D3 <u>Speaker:</u> Trudy Howles <i>The Declining Interest and Persistence in University Computing Programs</i>
	Session D4 <u>Speaker:</u> Dehua Ju <i>Software Quality Movement in China</i>
	Session D5* <u>Speaker:</u> Joe Schofield <i>The Statistical Case Against Using Lines of Code in Software Estimation</i>
	<i>*Previously scheduled as Session A1 – Tuesday, September 16 – 9:30 a.m. – 10:30 a.m.</i>
4:15 p.m – 5:15 p.m.	Sessions E1 and E5 <u>Speakers:</u> Zhejiong Fan and Atsuko Ishida <i>Quantitative Process Improvement Should be Done to Help Business, Not for its Own Sake and Information Systems Quality Management Process Including Users' Point...</i>
	Sessions E2 and E6 <u>Speakers:</u> Xi Xiang and Zhou Lu <i>Precise Prediction Model of Iterative Development and The Establishment of Organizational Process Performance Baselines and Applications</i>
	Sessions E3 and E7 <u>Speakers:</u> Luigi Buglione and Takayuki Ishida <i>An Ecological View on Process Improvement: Some Thoughts on Improving Process Appraisals and Nurturing Up CS/PS Mind of Engineer for Improving the Customer Satisfaction*</i>
	<i>*Previous Title: Developing Minds to Improve Customer Satisfaction: Training Engineers with Heart</i>
	Sessions E4 and E8 <u>Speakers:</u> Suzuko Hirofuji and Naveed Nour <i>An Application and Improvement of Process QA for System Development Work and Art in Technology</i>
	Sessions E9* and E10** <u>Speakers:</u> Takao Mori and Kazuhiro Suzuki <i>The Viewpoint-Based Software Testing Engineering Process and How to Judge the Sufficiency of the Unit Testing Phase; Introduction of Cause-Phenomenon Matrix Analysis***</i>
	<i>*Previously scheduled as Session O3 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.</i>
	<i>**Previously scheduled as Session O4 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.</i>
	<i>*** Previous Title: Quality Control for Software in the Unit Test Phase</i>
5:15 p.m. – 7:00 p.m.	Networking Reception, Recognition, and Awards Presentation

Wednesday – September 17, 2008

- 7:00 a.m. – 4:00 p.m. Conference Registration and Book Store
- 7:00 a.m. – 8:00 a.m. Continental Breakfast with Sponsors and Exhibitors
- 7:00 a.m. – 5:00 p.m. Exhibits Open
- 8:00 a.m. – 8:45 a.m. **Keynote Address** Speaker: Watts Humphrey
Faster, Cheaper, Worse!
- 9:00 a.m. – 10:00 a.m. **Session F1** Speaker: Mike Kress
ISO 25012 – An International Standard for Data Quality
- Session F2** Speaker: Timothy G. Olson
Defining Lean Service and Maintenance Processes that are Best-In-Class
- Session F3** Speaker: Linda Ibrahim
Improving Process Capability Across Your Enterprise
- Session F4** Speaker: Elfriede Dustin
State of Software Testing and How to Improve It
- Session F5*** Speaker: Kunitoshi Yamamoto
Model Checking of Asynchronous System in Multifunction Printer
***Previously scheduled as Session J8 – Wednesday, September 17 – 4:15 p.m. – 5:15 p.m.**
- 10:00 a.m. – 10:30 p.m. **Refreshment Break**
- 10:30 a.m. – 11:30 a.m. **Session G1** Speaker: Richard Biehl
Data Quality Measurements in a Hospital Data Warehouse
- Session G2*** Speaker: Naomi Honda
*Beyond CMMI Level 5 – Comparative Analysis of Two CMMI Level 5 Organizations***
***Previously scheduled as Session J3 – Wednesday, September 17 – 4:15 p.m. – 5:15 p.m.**
*** Previous Title: *A Study of Factors to Improve Real Quality: Analysis of Two CMMI Level 5 Organizations***
- Session G3** Speaker: Wen-Kui Chang
A SPICE Approach for Integrity-Enhanced Process Improvement
- Session G4** Speaker: Thom Garrett
Automated Test Environment Management
- 11:30 a.m. – 12:15 p.m. **Networking Lunch with Sponsors and Exhibitors**
- 12:15 p.m. – 1:00 p.m. **Keynote Address** Speaker: Bernie Gauf
Implementing Automated Software Testing
- 1:15 p.m. – 2:15 p.m. **Session H1*** Speaker: Terry Rout
Looking to the Future: Assessing Process Capability and Organizational Maturity...
***new session**
- Session H2** Speaker: Simon Mills
Appropriate Timing for Deployment of Software Test Automation in Operational Environments
- Session H3** Speaker: Mark C. Paulk
A Taxonomy of Improvement Frameworks
- Session H4** Speaker: Nobuhiro Hosokawa
*Data-Driven Quality Inspection – An Empirical Study to Optimize Time and Cost for Quality Activities in Real Project**
*** Previous Title: *Data-Driven Quality Inspection: Human-Centered Defect Lifecycle Management...***
- 2:15 p.m. – 2:30 p.m. **Refreshment Break**
- 2:30 p.m. – 3:30 p.m. **Session I1** Speaker: Gary Gack
Lean Six Sigma and Cost of Quality: Partners for Progress
- Session I2*** Speaker: John Pruitt
Balancing Software Quality with Productivity
***new session**
- Session I3** Speaker: Yasuko Okazaki
*SQuBOK (Software Quality Body of Knowledge) Project – Guide to the SQuBOK Version 1 Born this Way**
*** Previous Title: *Software Quality Body of Knowledge (SQuBOK) Project***
- Session I4** Speaker: Kurt Schneider
Improving Feedback on Requirements through Heuristics
- Session I5*** Speaker: Louise Tamres
Can We Ship? How to Tackle the Test Maze When you Don't Have the Time to Test
***Previously scheduled as Session L3 – Thursday, September 18 – 11:00 a.m. – Noon**

Wednesday – September 17, 2008 (continued)

- 3:45 p.m. – 4:45 p.m. **Sessions J1 and J2** Speakers: Pekka Forselius and Vijay Upadya
Quality of Benchmarking Data
and A Case for Test Generation Approach, Feedback, Analysis, and Synthesis-Based...
- Sessions J5 and J6** Speakers: Stephan Goericke and Patricia McQuaid
Quality Assurance Management Professional: A Next-Generation Certificate for IT...
and Software Testing Qualifications Certification
- Sessions J3* and J7** Speakers: Camargo Cruz Ana Erika and Yoshinori Itabashi
Quality Prediction Model for Object Oriented Software Using UML Metrics
and Prediction of Organization-Specific Process Weakness**
**Previously scheduled as Session G2 – Wednesday, September 17 – 11:00 a.m. – Noon*
***Previous Title: Prediction of Project-Specific Process Defects*
- Sessions J4 and J8*** Speakers: Andrew Kumeiga and Tetsuya Kouno
A Cross-Function Methodology: Software Development for Analytics-Driven Firms
and A Framework of Software Quality Improvement Based on Fault Knowledge...
**Previously scheduled as Session O8 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.*
- Sessions J9* and J10**** Speakers: Finn Svendsen and Bernd Hindel
Software Development Processes and Organization in Perspective Customer/Supplier...
and SPICE of Life
**Previously scheduled as Session O2 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.*
***Previously scheduled as Session O7 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.*
- 5:00 p.m. – 5:45 p.m. **Keynote Address** Speaker: Yasuyuki Katsumaru
Maximize Product Quality by Software Technology

Thursday – September 18, 2008

- 7:00 a.m. – 1:00 p.m. Conference Registration and Book Store
- 7:00 a.m. – 7:30 a.m. Continental Breakfast with Sponsors and Exhibitors
- 7:00 a.m. – 1:00 p.m. Exhibits Open
- 7:30 a.m. – 8:15 a.m. **Keynote Address** Speaker: Gary McGraw
Software Security: State of the Practice 2008
- 8:30 a.m. – 9:30 a.m. **Session K1** Speaker: Shari Lawrence Pfleeger
I'll Buy That: Cybersecurity on the Internet Marketplace
- Session K2** Speaker: Linda Westfall
Risk-Based Peer Reviews
- Session K3** Speaker: Robin Goldsmith
Real ROI Sells Testing's Value
- Session K4** Speaker: Karol Fruehauf
Why Testers Shouldn't Play Ping Pong
- Session K5*** Speaker: Michele Moss
Leveraging CMMs and Standards for Assurance
**Previously scheduled as Session O1 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.*
- 9:30 a.m. – 10:00 p.m. **Refreshment Break**
- 10:00 a.m. – 10:45 a.m. **Keynote Address*** Speaker: Kurt Schneider
Can We Talk? Documentation versus Communication in Software Projects
**Previously scheduled Thursday, September 18 – 12:45 p.m. – 1:30 p.m.*
- 11:00 a.m. – Noon **Session L1** Speaker: Joe Jarzembek
Secure Software Development
- Session L2** Speaker: Noriyoshi Kuno
The Effective Method for Design Reviews
- Session L3*** Speaker: Andras Pataricza
Automated Verification and Validation of Domain Specific Languages and their Applications
**Previously scheduled as Session O6 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.*
- Session L4** Speaker: Axel Rennoch
Application of the Classification Tree Method for Test Modeling in Complex Software Projects

Thursday – September 18, 2008 (continued)

Noon – 12:45 p.m. **Networking Lunch with Sponsors and Exhibitors**

1:00 p.m. – 2:00 p.m. **Session M1** Speaker: Robert Charette
Quality and Risk Issues in National Electronic Health Record Systems

Session M2* Speaker: Masakazu Matsushita
*The Test/Verification Method of Web Application Systems***
 *Previously scheduled as Session O5 – Thursday, September 18 – 4:15 p.m. – 5:15 p.m.
 **Previous Title: *A Study of Test/Verification Method of Web Application Systems*

Session M3 Speaker: Yoshinori Iizuka
*Quality, People, and Innovation – Key to Sustainable Success in Software**
 *Previous Title: *Software Quality: Quality and People Centered*

Session M4 Speaker: Ian Brown
Process Measurement: Appraisals of SPI models

2:00 p.m. – 2:15 p.m. **Refreshment Break**

2:15 p.m. – 3:15 p.m. **Session N1** Speaker: Sabrina Jackson
Discover Your True Project Management Style

Session N2 Speaker: David Herron
Measuring and Managing Software Projects More Effectively

Session N3 Speaker: Takuro Iida
*Improve to Meet your Organizational Needs using CMMI Continuous Representation**
 *Previous Title: *Improve and Meet Your Organizational Needs with Reference to CMMI Continuous...*

Session N4 Speaker: Bogdan Bereza-Jarocinski
Customer Experience Management: How to Achieve Market Success

3:30 p.m. – 4:15 p.m. **Closing Plenary** Speakers: Yoshinori Iizuka and Dehua Ju
History of WCSQ and Welcome to 5WCSQ 2011 at Shanghai

4:15 p.m. **Conference Concludes**