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)

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

*** Previous Title: Quality Control for Software in the Unit Test Phase
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. – 12:00 p.m.  Keynote Address  
Speaker: Watts Humphrey  
Faster, Cheaper, Worse!
9:00 a.m. – 12:00 p.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. – 12:00 p.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**  
** 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
12:15 p.m. – 1:00 p.m.  Keynote Address  
Speaker: Bernie Gaufl  
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...
** Previous Title: Data-Driven Quality Inspection: Human-Centered Defect Lifecycle Management...
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...
2:30 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
** Previous Title: Software Quality Body of Knowledge (SQuBOK) Project
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.*

**Session M2****  
**Speaker**: Masakazu Matsushita  
*The Test/Verification Method of Web Application Systems**  
*Previous Title: A Study of Test/Verification Method of Web Application Systems*

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 Ilda  
*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**