

SEPG 2006

Preliminary
Program



Strong Process Foundations, New Horizons

Nashville, Tennessee • Gaylord Opryland • March 6–9, 2006

18th Annual Premier Conference
for Software and Systems
Engineering Process

March 6–9, 2006
Gaylord Opryland
Nashville, Tennessee

- 1,800+** attendees.
- 150** presentations.
- 8** technical tracks.
- 5** keynote speakers.
- 4** days.
- 1** location.

www.sei.cmu.edu/sepg

**REGISTER
NOW!**



Find new solutions to your organization's most common problems.

Meet and network with more than 1,800 software and systems process professionals.

Learn about the latest trends and methods in software and systems process from recognized leaders.

Be a part of the 18th year of SEPG and register now at www.sei.cmu.edu/sepg/register.html.

What is SEPG?

The Software Engineering Process Group (SEPG) Conference is the world's leading conference and exhibit showcase for software and systems engineering process. Now in its 18th year, the conference brings together international representatives from government, industry, and academia for a global perspective on process improvement activities and results.

SEPG Highlights

- A current and comprehensive selection of peer-reviewed presentations keeps our attendees coming back year after year. The 2006 conference features eight tracks, tailored to the evolving needs of attendees.
- In-depth tutorials offer expanded information from leaders in the process improvement field.
- Each year, more than 70 organizations choose to exhibit at SEPG, giving attendees the chance to check out the latest products and services in the process arena.
- Process experts can be found everywhere at SEPG, so we offer birds-of-a-feather sessions, where you can join your peers in dialogues about common challenges.
- Poster sessions enhance our program, and let you explore process at all levels.

7 Reasons You Can't Miss SEPG 2006

1. It's the largest gathering of software process professionals of its kind.

SEPG gives you the opportunity to interact with a mix of industry and defense professionals who share your professional interests, offer solutions to your organization's problems, and can provide new perspectives on common issues.

2. We've got YOUR program.

Our technical program offers eight tracks each day. Create your own SEPG experience and choose among various presentations tailored to your needs.

3. You can get in the know with the latest updates and trends in process.

By participating in SEPG, you'll be exposed to the latest research and ideas in the field of software and systems process engineering. Attending our conference is a great way to keep current.

4. It's a community-reviewed program.

Each year, more than 100 process professionals review more than 700 abstract submissions. This ensures that the presentations you'll hear reflect the SEPG theme of "Strong Process Foundations, New Horizons."

5. Your peers are here.

Meet them through the multiple networking opportunities that SEPG has to offer. Whether you're meeting a fellow attendee at our Exhibit Showcase Grand Opening, talking over lunch, or sharing success stories in a birds-of-a-feather session, you'll always be able to meet the right people at SEPG.

6. Our Exhibit Showcase has what you need.

The organizations that exhibit at SEPG represent a mix of cutting-edge corporations and established names in the process improvement arena. Every year, our attendees can't wait to take advantage of networking and learning opportunities that the Exhibit Showcase provides. Be there with them.

7. Our expert keynote speakers.

- The Honorable Claude M. Bolton, Jr., Assistant Secretary of the Army (Acquisition, Logistics and Technology)
- Stuart Feldman, Vice President, Computer Science, IBM Research
- Randy Spratt, Executive Vice President and Chief Information Officer, McKesson Corporation
- Fred Killeen, Interim Chief Technology Officer, Information Systems and Services, General Motors
- Julia Allen, Senior Member of the Technical Staff, Software Engineering Institute



Join us for SEPG 2006!

Bill Peterson, Director, Software Engineering Process Management Program

Paul D. Nielsen, SEI Director and Chief Executive Officer

Gian Wemyss, SEPG Conference Vice Chair

Caroline P. Graettinger, SEPG Conference Chair

pictured from left to right

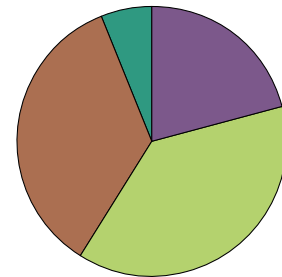


Introducing nTAG™ badges— a new way to network!

As an attendee at this year's SEPG conference, you'll be able to network in a whole new way. Using the nTAG name badge system, you'll be able to find attendees with common interests, making meeting and networking a snap! With nTAG, you can choose who gets your contact information, so you're in control during every meeting or conversation. It's networking for the 21st century.

Percentage of Attendees by Job Category

Managers, directors, and engineers compose 94% of the SEPG audience.

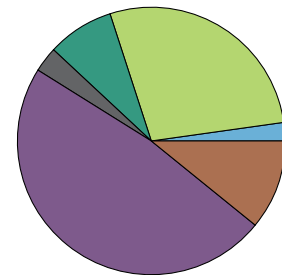


- 38% Engineer
- 35% Manager
- 21% Director
- 6% Sales

Based on 2005 attendance.

Percentage of Attendees by Sector

High attendance by defense and commercial industry professionals allows you to market your products and services to both audiences at a single location.



- 48% Commercial Industry
- 28% Government Contractor
- 11% Defense Agency
- 8% Academic Institution
- 3% Civic Agency
- 2% Other

Based on 2005 attendance.

More than 75% of conference attendees attend SEPG to stay abreast of industry trends, and almost one-third view SEPG as an opportunity to learn about process improvement products.

Who's Here?

Check the list below to see a few of the organizations represented at SEPG 2005.

- | | |
|---|----------------------------|
| Allstate Insurance Company | Honeywell International |
| Anteon Corporation | IBM |
| BAE Systems | Intel |
| Ball Aerospace | Internal Revenue Service |
| Blue Cross/Blue Shield | Johns Hopkins |
| Boeing | JP Morgan Chase |
| Booz Allen Hamilton | LG Electronics |
| Bosch | Lockheed Martin |
| Cap Gemini Ernst & Young | Merrill Lynch |
| Capital One Financial | Microsoft |
| Cingular Wireless | Motorola |
| Cisco Systems | NASA |
| Computer Science Corporation | National Security Agency |
| Coors Brewing Company | Nokia |
| Customs and Border Protection | Northrop Grumman |
| Defense Finance and Accounting Services | Raytheon |
| Department of Education | SAIC |
| Department of State | Samsung |
| Department of Veterans Affairs | Siemens |
| Diebold, Inc. | Sony |
| EDS | State Farm Insurance |
| Eli Lilly and Company | Target |
| FDIC | Tata Consultancy Services |
| Federal Bureau of Investigation | United Space Alliance |
| Federal Reserve Bank of New York | U.S. Air Force |
| General Dynamics | U.S. Army |
| General Motors | U.S. Department of Defense |
| Hewlett-Packard Company | U.S. Navy |
| Honda | Volvo |

Our SEPG 2006 Location: Nashville

What does Nashville, Tennessee, have to offer you as an SEPG attendee? Plenty!

Technology

Nashville is a recognized leader in health care information technology and has a growing biotechnology industry. In addition, organizations such as Caterpillar Financial, Gibson Guitar, Dell, Nissan, Saturn, and Bridgestone/Firestone make their home in Nashville.

The Gaylord Opryland

Our host hotel this year has everything you need. From a rollicking boat ride to a relaxing spa, you'll find what you're looking for at the SEPG 2006 Conference hotel. For more information on the Gaylord Opryland, see page 17.

Music

"Music City, U.S.A." has tons to offer SEPG attendees. From the Grand Ole Opry to the myriad music clubs and concert venues, you won't be short of things to do if you're a music fan. Consider visiting places like RCA Studio B, the famed recording studio of Elvis Presley.

Family Fun

The Adventure Science Center is a 75-foot tower of fun for kids of all ages. For young history buffs, Fort Nashborough offers a glimpse of the Nashville of the past. Don't forget to visit the longest go-cart track in the mid-South at the Grand Old Golf Recreation Center.



Attendee Feedback at SEPG 2005

"The networking opportunities were exceptional!"

"All the tutorials I attended were excellent!"

"The professionalism and the intellectual atmosphere surrounding SEPG continues to impress even after the many years I have participated."

- GETTING STARTED
- ✱ PROGRESSING
- ★ EXPERT

Tutorials & Sessions

Sunday, March 5, 2006

1:00 pm–3:00 pm	Beginners Boot Camp , Delta Ballroom C
3:00 pm–6:00 pm	Registration , Delta Lobby B

Monday, March 6, 2006—Tutorials

7:00 am–6:30 pm	Registration , Delta Lobby B
7:00 am–8:30 am	Continental Breakfast , Delta Ballroom A

	CMMI	CMMI	CMMI	Measurement and Analysis		Measurement and Analysis	TSP/PSP	Systems	Domains	
8:30 am–10:00 am	A Concise Implementation of Peer Reviews for CMMI. Neil Potter and Mary Sakry, The Process Group. ●	Do's and Don'ts of Process Improvement. Patrick O'Toole, PACT. ●	CMMI—What's Coming! Mike Phillips, Software Engineering Institute. ✱	Six Sigma Tools for Early Adopters. Rick Hefner, Northrop Grumman; Jeannine Sivi, Software Engineering Institute. ✱		Definition and Analysis of Organizational Performance: Practical Use of Statistical Models Around Metrics. Bijan Samatha, Keane Inc. ✱	Team Software Process / Personal Software Process Tutorial. Daniel Burton, Software Engineering Institute. ●	Systems Engineering Influence Throughout the CMMI. Tim Kasse, Kasse Initiatives LLC. ✱	Use of CMMI in Acquisition Contexts. Brian Gallagher, Software Engineering Institute. Progressing ✱	
10:00 am–10:30 am	Morning Break , Delta Lobby A and Governor's Lobby Poster Sessions , Governor's Lobby									
10:30 am–Noon	Continued	Continued	Continued	Continued		Continued	Continued	Continued	Continued	
Noon–1:30 pm	Lunch , Delta Ballroom A						Special Topics			
1:30 pm–3:30 pm	"How to" Supplier Agreement Management (SAM) and Integrated Supplier Management (ISM). Mary Sakry and Neil Potter, The Process Group. ●	Ignore at Your Peril: Four Critical Actions for Process Improvement. Betty Deimel, Gateway Associates; John Maher, Organization & Process Improvement, Inc. ✱	Integrating Value-Added Audits for Process Improvement. Bill Deibler and Bob Bamford, Software Systems Quality Consulting. ✱	An Introduction to Function Point Analysis. David Garmus, David Consulting Group. ●		Continued	Using Simulation to Aid in CMMI Implementation. Michael Engiles and Christine McCarty, CACI International, Inc. ✱	Systems Level Configuration Management. Al Florence, MITRE. ✱	Leveraging ITIL Services (Support and Delivery) Capability and Maturity with the CMMI. Tim Kasse, Kasse Initiatives, LLC. ✱	
3:00 pm–3:30 pm	Afternoon Break , Delta Lobby A and Governor's Lobby Poster Sessions , Governor's Lobby									
3:30 pm–5:00 pm	Continued	Continued	Continued	Continued		Continued	Continued	Continued	Continued	
5:00 pm–6:30 pm	Exhibit Showcase Grand Opening , Ryman Exhibit Hall B3 and B4									

- GETTING STARTED
- ★ PROGRESSING
- ★ EXPERT

Tuesday, March 7, 2006—Sessions

7:00 am–5:00 pm	Registration, Delta Lobby B								
7:00 am–8:30 am	Continental Breakfast, Delta Ballroom A								
7:15 am–8:00 am	SEI Breakfast Series: Tricia Oberndorf, Software Engineering Institute, Tennessee Ballroom A and B								
8:15 am–8:30 am	Opening Remarks: Paul D. Nielsen, Director, Software Engineering Institute, Delta Ballroom A								
8:30 am–10:00 am	Keynote Presentations, Delta Ballroom A								
	8:30 am: Stuart I. Feldman, IBM								
	9:15 am: The Honorable Claude M. Bolton, Jr., U.S. Army								
9:30 am–4:30 pm	Exhibit Showcase, Ryman Exhibit Hall B3 and B4								
10:00 am–10:30 am	Morning Break, Ryman Exhibit Hall B3 and B4								
	CMMI—Getting Started	CMMI	CMMI—Appraisals	Measurement and Analysis		Measurement and Analysis	Special Topics	Domains	TSP/PSP
10:30 am–11:10 am	Changing For the Better. William McKnight, Next Level Consultants. ●	Using Process Areas to Satisfy Generic Practices. Norman Hammock, A1 Independent Consulting. ★	Model-Based Appraisals: Boon or Bane? Bruce Duncil, Integrated System Diagnostics, Inc. ★	Basics in Software Measurement and Analysis—Some Do’s and Don’ts. Stephen Kan, IBM. ●		Cost Estimation by Structured Decomposition, with Metrics and Statistics. Jack Davis, BAE Systems. ★	Software Test Diagnostic Model—An Effective Tool for Assessing the V&V Practices of an IT Division. Padmakumar Bhagavatheeswaraiyer and Subramaniam Venkat, Wipro Technologies. ★	Software 2015: A National Software Strategy to Ensure U.S. Security and Competitiveness. Don O’Neill, Center for National Software Studies. ★	Productivity—A Simple Measure? Noopur Davis, Software Engineering Institute. ★
11:20 am–Noon	Starting a Process Improvement Program Effectively! Carlos Galvan, CSM, Inc. ●	Turning Quality Assurance Trending Data into Process Improvement “Gold”—Building Process Improvement Plans through Analysis of Audit Trends. Kimberly Trant, EDS. ★	Tips to Ensure a Successful Class A Appraisal—Mitigating the Risk of Failure. Dawn Littrell, L-3 Communications. ★	A Methodology for Organization’s Readiness for Process Improvement. Aldo Dagnino, ABB Inc. ★		Size-Based Effort Estimation for Small Maintenance Requests Spanning Across Multiple Technology Platforms. Bijan Samatha, Keane Inc. ★	Using Design of Experiments to Plan Better CMMI Appraisals. Robert Moore, Business Transformation Institute, Inc.; Will Hayes, Software Engineering Institute. ★	Tailoring CMMI for Use in an IT Services Environment. Mandy Parmer, BAE Systems. ★	The TSP Quality Manager. Alan Willett, Software Engineering Institute. ★
Noon–1:30 pm	Lunch, Delta Ballroom A								
1:30 pm–2:10 pm	Running an SEPG—How SSC San Diego Operates its SEPG. Brian Groarke, SSC San Diego. ●	Opportunities in Risk Management. Barry Schrimsher, GlenTalon Consulting, Inc. ★	Critical Path SCAMPIs: Getting Real Business Results from Appraisals. Michael West, Natural SPI. ★ (Panel Session)	Measuring and Managing the CMMI Journey Using GQM. Rajendra Prasad, Accenture India Deliver Center. ★		Reducing Gaps in Software Process Performance through Identification and Implementation of Best Software Practices. David Garmus, David Consulting Group. ★	Honing the Right Process Architecture for the Enterprise. Lori Pajerek and Joan Weszka, Lockheed Martin Corporation. ★	How to Untangle the Hairball: Integrating CMMI and ITIL Effectively in Application Engineering and Operations Environments. William Phifer, EDS. ★	Using Scrum as a Stepping Stone to TSP Implementation. Ellen George, PS&J; John Stark, SAIC. ●
2:20 pm–3:00 pm	Data Management: The Hidden Enabler or (The Key Data and Work Product Integrator)? Gary Norausky and Les Stamnas, Norausky Process Solutions, Inc. ●	To DAR or Not to DAR—That is the Question (Making Choices with Imperfect Information). Richard Waina, Multi-Dimensional Maturity. ★	Continued	Software Measurement for the Beginner. Riley Rice, Booz Allen Hamilton. ●		CSI: Level 5. Andy Felschow, TPC, LLC. ★	Introducing Model-Driven Development for CMMI Engineering Process Areas—Case Study. Samuel Fricker, ABB Switzerland Ltd. ★	Integrating CMMI and ITIL: An Outsourcing Success Story. Joanne Kopcho and Tyrone Reece, Capgemini. ●	Self Directed Team = Jobless Middle Manager. Myth or Reality? Rafi Syed, Microsoft. ★
3:00 pm–3:30 pm	Afternoon Break, Ryman Exhibit Hall B3 and B4								
3:30 pm–4:10 pm	The 3Rs and 4As of PIIDs. Heather Oppenheimer, Lucent Technologies. ●	Effective Project Management Review. Nupur Ray, Tata Consultancy Services. ★	Managing and Monitoring Objective Evidence Collection in Preparation for a SCAMPI A. Larry Bramble and Jackie Lawrence, Integrated System Diagnostics, Inc. ★	Presenting Quantitative Data to Important Decision Makers: How to Anticipate and Avoid Unintended Consequences. Glyn Davies, BAE Systems. ★		Retrospectives: Understanding the Past to Shape the Future. Noopur Davis, Software Engineering Institute; Darryl Davis, Davis Systems. ★	Sharing the Benefit from Process Improvement within a Worldwide Corporation. Takashi Ishikawa, Tetsuro Moriya, Minoru Aizawa, and LingZhu Chang, Toshiba Corporation. ★	Teaching Process Improvement as an Extension University Program: An Innovative Initiative in Argentina. Conrado Estol and Benjamin del Sastre, Universidad AUSTRAL. ★	Process Improvement at NAVAIR Using Capability Maturity Models and TSP. Jeffrey Schwalb, NAVAIR. ★
4:20 pm–5:00 pm	Experiences in Going from Diverse Processes across the Organization to Standard. Barbara Hilden and Lyn Elliott Dellinger, PI-21. ●	Are You Making the Most of Your Project Schedules? Susan Byrnes, Natural SPI. ●	Tips for Organizations Working Together at Different Maturity Levels. Douglas Hamilton, Accenture. ★	PSM—The High Road to Measurement Maturity. Kevin Domzalski, BAE Systems ★		Why Size Matters. Scott Philp and Kimberly Trant, EDS. ★	Designing Your Tailoring Approach to Help Achieve Higher Levels of Maturity. Diane Mizukami-Williams, Northrop Grumman Mission Systems. ★	CMMI Horror Stories: When Good Projects Go Bad. Rick Hefner, Northrop Grumman. ★	Practicing What We Preach—Applying the TSP at the SEI. Julia Mullaney and Jeff Welch, Software Engineering Institute. ★
6:00 pm–9:00 pm	Reception								

- GETTING STARTED
- ★ PROGRESSING
- ★ EXPERT

Wednesday, March 8, 2006—Sessions

7:00 am–5:00 pm	Registration, Delta Lobby B								
7:00 am–8:30 am	Continental Breakfast, Delta Ballroom A								
7:15 am–8:00 am	SEI Breakfast Series: Linda Northrop, Software Engineering Institute, Tennessee Ballroom A and B								
8:15 am–8:30 am	Opening Remarks: Caroline P. Graettinger, SEPG Chair, Software Engineering Institute, Delta Ballroom A								
8:30 am–10:00 am	Keynote Presentations, Delta Ballroom A								
	8:30 a.m.: Randy Spratt, McKesson Corporation								
	9:15 a.m.: Julia Allen, Software Engineering Institute								
9:30 am–4:30 pm	Exhibit Showcase, Ryman Exhibit Hall B3 and B4								
10:00 am–10:30 am	Morning Break, Ryman Exhibit Hall B3 and B4								
	Small Settings	CMMI	CMMI—Appraisals	Measurement and Analysis		Measurement and Analysis	People CMM	Systems	Safety and Security
10:30 am–11:10 am	Small Steps, Giant Leap. Sathya Murthy and Nidhi Srivastava, Tata Consultancy Services. ●	Architecting Standard Processes with SWEBOK and CMMI. Boris Mutafelija and Harvey Stromberg, Systems and Software Consortium, Inc. ★	Making Sense of Process Improvement Programs and Appraisals. Raghav Nandyal, SITARA Technologies. ★	How Six Sigma Tools and Techniques Help PSP/TSP Teams Achieve the Greatest Quality Possible. Carol Grojean, Microsoft. ★		Measuring the Requirements Process. Stephen Janiszewski, PS&J. ●	Anthropology and Process Improvement, a People CMM Example. Palma Buttles-Valdez, Software Engineering Institute. ●	Proper Specification of Requirements. Al Florence, MITRE Corporation. ★	Security in COTS-Based Software Systems. Arlene Minkiewicz, PRICE Systems LLC. ★
11:20 am–Noon	Risk Management and the Small Software Project. Donna Johnson, LOGOS International, Inc. ●	Accelerating Process Improvement through Collaboration: The NAVAIR Systems/Software Process Improvement Community of Practice. Lisa Pracchia, NAVAIR SRC; Michael West, Natural SPI. ★	Leveraging PIIDs for Continuous Process Improvement. Nita Sarang, CMC Limited. ★	Advanced Risk Analysis for High-Performing Organizations. Christopher Alberts and Audrey Dorofee, Software Engineering Institute. ★		How Much Are Software Quality Problems Costing Your Company? Rolf Reitzig, Cognence. ★	CMMI and People CMM: Anything in Common? Kathy Sanchez, Borland Software Corporation. ★	Leveraging Software Engineering Processes in Developing Systems Engineering Processes. Lee Sheiner and Jeanne Balsam, Georgia Tech Research Institute. ★	Shifting Toward Resiliency: A Process-Oriented Approach to Security. Rich Caralli and James Stevens, Software Engineering Institute. ★
Noon–1:30 pm	Lunch, Delta Ballroom A								
12:30 pm	Keynote Presentation, Fred Killeen, General Motors								
1:30 pm–2:10 pm	Process Discipline in the Information Age: “Underlying” the Solution. Hillel Glazer, Entinex, Inc. ★	Motivating and Securing Executive Commitment to Process Improvement. Richard Bechtold, Abridge Technology. ★	To “B” or Not to “B”. Kileen Harrison and Glenn Rosander, Booz Allen Hamilton. ★	Improper Use of Control Charts: Traps to Avoid. Virginia Slavin, Systems and Software Consortium, Inc. ★		Enterprise Resource Planning Cost Estimation. David Seaver, PRICE Systems. ★	Samsung SDS’ Experience Performing SCAMPI Class A With the People CMM. Rick Barbour, Software Engineering Institute. ●	Will My System “Play Nicely” with Others? Using CMMI to Improve Systems of Systems Success. Suzanne Garcia, Lisa Brownsword, and Grace Lewis, Software Engineering Institute. ★	Security Kaizen—Security as a Dimension of Quality. Joe Kovara and Jeffrey Elliott, Certified Security Solutions. ★
2:20 pm–3:00 pm	CMMI for the “Leftovers” —Small Projects and Small Work Groups Within a Big Organization. F. Michael Dedolph, Lucent Technologies ★	Social Security Administration’s Process Improvement Journey to CMM Maturity Level 3 and Transition to CMMI. Rick Barbour and Jon Gross, Software Engineering Institute; Rod Waltersdorf and Lisa Markowski, Social Security Administration. ●	Map & Gap—An Innovative ARC Class C Appraisal Method. James Hart, RPI Alliance Ltd. ★	Measuring your Measures: A Cost Effective Mechanism to Gauge the Effectiveness of your Measurement Program. Daniel Tucker, Booz Allen Hamilton. ★		Estimation for Small & Large Teams—A Ready to Use, Scalable Model. Manoj Upreti, JPMorgan Chase; Shanmukha Polepeddi, Cognizant Technology Solutions. ★	Shoe Horning CMMI Initiatives with People CMM. Raghav Nandyal, SITARA Technologies. ●	Affordability Simulation Requirements Module (ASRM). Larry Zeagan, PRICE LLC. ★	Applying Common Sense Security To Your Process Improvement Program. Michele Moss and Kris Winkler, Booz Allen Hamilton. ★
3:00 pm–3:30 pm	Afternoon Break, Ryman Exhibit Hall B3 and B4								
3:30 pm–4:10 pm	It Works Even in Start-Ups —Lessons Learned from 4.5 Start-Ups. Tami Zemel, Tangram Hi-Tech Solutions Ltd. ●	Effective Implementation of the CMMI Model for Hardware Disciplines. Christian Zion and Pierre-Pascal Galano, Thales Research & Technology. ●	“Behavioral Clues” Revisited. Judah Mogilensky, PEP, Inc. ★	Metrics and Measurements: The Importance of Integrating the Business View. Jack Harding, STT. ★		Practical EVM Approach for Software Project Management. Yoichi Miyashita, NEC System Technologies, Ltd. ★	Guideposts for Successful Adoption of an Industry Best Practices Model for Human Capital Management: The People CMM. Sharon Guenterberg and Pamela Green, SAIC. ★	A Survey of Systems Engineering Effectiveness. Joe Elm, Software Engineering Institute ★	Aligning Security Management Processes with CMMI. Eileen Forrester and Julia Allen, Software Engineering Institute. ★ (Panel Session)
4:20 pm–5:00 pm	CMMI on the Sly for the CMMI Shy: Implementing Software Process Improvement in Small Teams and Organizations. Jennifer Turgeon, Sandia National Laboratories. ●	The Role of Hardware Disciplines in Appraisals at Siemens AG. Winfried Russwurm and Christian Hertneck, Siemens AG. ★	Top 10 Signs You’re Ready (or Not) for an Appraisal. Gary Natwick, Harris Corporation. ★	A Survey-Based Software Quality Metric. Vishal Sadana and Frank Liu, University of Missouri-Rolla. ★		Agile Processes, Are They Right For You? Jeff Holmes, Motorola. ★	People-CMM Implementation in Non-Software Organizations: Early Lessons Learned. Ajay Batra, QAI. ●	Using a Management System to Develop Organizational Competency. Peter Merrill, Quest Management; Winifred Menezes. ★	Continued

- GETTING STARTED
- ★ PROGRESSING
- ★ EXPERT

Thursday, March 9, 2006—Sessions and Tutorials

7:00 am–3:30 pm	Registration, Delta Lobby B								
7:00 am–8:30 am	Continental Breakfast, Delta Ballroom A								
7:15 am–8:00 am	SEI Breakfast Series: Brian Gallagher, Software Engineering Institute, Tennessee Ballroom A and B								
	CMMI—Agile	CMMI—Process Improvement	CMMI—Appraisals	CMMI		Measurement and Analysis	Measurement and Analysis	Special Topics	TSP/PSP
8:30 am–9:10 am	Agile/Lean CMMI Workshop. Jeffrey Dutton, Jacobs Sverdrup; Rich McCabe, Systems and Software Consortium. ★	Translating to the Language of Management. Michael Evanoo and Charlene Fox, EDS. ★	SEI Appraisal Program Quality Report. Will Hayes, Software Engineering Institute. ★	Piloting CMMI v1.2. Mike Phillips, Software Engineering Institute. ★ (Panel Session)		Cost Challenges Developing Systems of Systems. Kevin McKeel and Arlene Minkiewicz, PRICE Systems. ★	Synergy: A Roadmap to Cultural Transformation. John Vu, Boeing. ★	Evolution of a Business Partner and a Process. Amanda Warfield, Laura Kruger, Richard Burgin, and Patty Moore, Bank of America. ★	TSP Workshop and PSP Certification Exam (Invitation Only)
9:20 am–10:00 am	Continued	Revitalizing a Stalled Engineering Process Group. Herb Weiner and Mark Frazer, Welch Allyn. ★	Tailoring SCAMPI A for an Infrastructure Organization. Corinne Cort and Gary Cort, RIM. ★	Continued		Measurement Program Integration with Product Development Process—A Definite Journey Towards Product Quality Improvement. Sharmila Mukherjee, CMC Limited. ★	Continued	Continued	
9:30 am–3:30 pm	Exhibit Showcase, Ryman Exhibit Hall B3 and B4								
10:00 am–10:30 am	Morning Break, Ryman Exhibit Hall B3 and B4; Poster Sessions, Governor's Lobby								
10:30 am–11:10 am	Continued	Why You Should KISS. Betty Deimel, Gateway Associates. ★	Shorten SCAMPI Time through Team Management Techniques. Galina Knopman, Comskil, Inc. ★	Managing the Risks of Highly Iterative Software Lifecycles. Richard Bechtold, Abridge Technology. ★		Right Turns and Wrong Turns to Level 5. Kathy King and Thomas Lienhard, CSM. ★	Continued	Continued	TSP Workshop and PSP Certification Exam (Invitation Only)
11:20 am–Noon	Continued	How Do I Know if I Can Learn from Your Experience? Stan Rifkin, Master Systems Inc. ★	Using the SCAMPI Family to Support your Process Improvement Journey. Steve Masters and Jack Ferguson, Software Engineering Institute. ●	Turning Crisis Management into Risk Management. Scott Philp, EDS. ★		Performance Model—Enabling Organizations Prediction Capability. Mamta Sinha, CMC Limited. ★	Continued	Continued	
Noon–1:30 pm	Lunch, Delta Ballroom A			People CMM					
1:30 pm–2:10 pm	Combining Agile with CMMI—Is It Working? Fran O'Hara and Jim Hart, RPI Alliance Ltd. ★ (Panel Session)	Towards a Unified Process Improvement Architecture. Patrick Kirwan, Urs Andelfinger, André Heijstek, and Hans Sassenberg, Software Engineering Institute—Europe. ★	Enterprise Appraisals—Pros and Cons. R. Radice, Software Technology Transition; E. Baker, Process Strategies; W. Hayes, SEI; W. Hefley, Carnegie Mellon; H. Wilson, Northrop Grumman. ★ (Panel Session)	Destination: Human Capital Management—You'd Better Get a Map! Sally Miller, Software Engineering Institute. ★		Market Entry Strategies. Hans Sassenberg, Software Engineering Institute—Europe. ★	Software Measurement Bootcamp. Bill Deibler and Bob Bamford, Software Systems Quality Consulting. ●	Engineering Safety-Related Requirements for Software-Intensive Systems. Donald Firesmith, Software Engineering Institute. ★	TSP Workshop and PSP Certification Exam (Invitation Only)
2:20 pm–3:00 pm	Continued	The CMMI Cookbook: A Culinary Metaphor For Process Improvement (or-How to Successfully Apply CMMI). Stephen Gristock, JPMorganChase. ★	Continued	Role Competency Matrix (RCM)—A Mechanism for Quantitative Competency Management to Meet Business Goals. Gargi Keeni, Tata Consultancy Services. ★		Measuring QA Productivity Using Oregon Productivity Matrix. Srinath Ramasesh, Wipro Technologies. ★	Continued	Continued	
3:00 pm–3:30 pm	Afternoon Break, Ryman Exhibit Hall B3 and B4; Poster Sessions, Governor's Lobby								
3:30 pm–4:10 pm	The Influence of W. Edwards Deming in Creating an Agile CMMI Solution for MSF v4.0 David Anderson, Microsoft. ★	Process Improvement Technologies that Deliver Measurable Benefit. Fran O'Hara, RPI Alliance. ★	Wasted Days and Wasted Nights. Timothy Davis and Thomas Lienhard, Raytheon Missile Systems. ●	Strategies to Address the Aging Workforce Crisis. Von Hawley, SAIC. ★		Implementing a More Rigorous Approach for Software Security. John Shangler, Reasoning, Inc. ★	Continued	Continued	TSP Workshop and PSP Certification Exam (Invitation Only)
4:20 pm–5:00 pm	Agile CMMI: Process Innovation at the Speed of Life. Jeff Dalton, Broadsword. ★	What CMMI Can Learn From the PMBOK. Wayne Sherer, ARDEC Enterprise Management; Sandy Thrasher, Anteon. ★	Seven Keys to CMMI Success in a Maintenance Environment. Nauman Muhammad, IBM Canada. ★	Putting Leadership into Software Engineering. Thomas Holzer, National Geospatial Intelligence Agency. ●		Tying Metrics to both the Business Objectives and the Process Improvement. Barbara Hilden and Lyn Elliott Dellinger, PI-21. ★	Continued	Continued	
5:00 pm	Conference Ends								

Keynote Speakers



Stuart I. Feldman
March 7, 2006
Tuesday 8:30 am–9:15 am

Stuart Feldman did his academic work (AB, Princeton and PhD, MIT) in astrophysics and mathematics. He is the vice president of the ACM (Association for Computing Machinery) and has been a member of the board of directors of the AACSB (Association to Advance Collegiate Schools of Business International) and of the CRA (Computing Research Association). He was chair of ACM SIGPLAN (Special Interest Group on Programming Languages) and founding chair of ACM SIGecom (Special Interest Group on Electronic Commerce). He has taught e-commerce courses at Yale School of Management and is a consulting professor of Information Technology at Carnegie Mellon West.

Feldman received the ACM Software System Award in 2003 and the Distinguished Executive of the Year from the Academy of Management in 2005. He is a fellow of the IEEE and a fellow of the ACM.

He was a computer science researcher at Bell Labs and a research manager at Bellcore before joining IBM in mid-1995. He has published research in software engineering (and was the creator of Make), programming languages, scientific computing and other areas of computer science. He was also architect for a large new line of software products at Bellcore. He is the recipient of the 2003 ACM Software System Award.

Feldman joined IBM in 1995 and is now vice president, computer science in IBM Research. He is responsible for driving the long term and exploratory worldwide science strategy in computer science and connected fields such as mathematics, management sciences, and social sciences. He leads programs for adventurous research and university collaborations, represents computer science research at senior management levels in research and in IBM, and influences national and worldwide computer science policy.



The Honorable Claude M. Bolton, Jr.
March 7, 2006
Tuesday 9:15 am–10:00 am

The Honorable Claude M. Bolton, Jr. became the Assistant Secretary of the Army (Acquisition, Logistics and Technology) (ASA(ALT)) on January 2, 2002.

As the ASA(ALT), Mr. Bolton serves as the Army Acquisition Executive, the Senior Procurement Executive, and the Science Advisor to the Secretary. Mr. Bolton is also the senior research and development official for the Department of the Army, and has principal responsibility for all Department of the Army matters related to logistics.

Mr. Bolton leads the execution of the Army's acquisition function and acquisition management system. His responsibilities include providing oversight for the life cycle management and sustainment of Army weapons systems and equipment, from research and development through test, evaluation, acquisition, logistics, fielding, and disposition. In addition, Mr. Bolton oversees the Elimination of Chemical Weapons Program, and has oversight and executive authority over the Project and Contracting Office charged with Iraq reconstruction. Mr. Bolton is also responsible for appointing, managing, and evaluating program executive officers as well as managing the Army Acquisition Corps and Army Acquisition Workforce.

A veteran of more than thirty years of active military service, Mr. Bolton retired as a Major General in the United States Air Force (USAF) following a highly decorated career. Some highlights of Mr. Bolton's USAF service include serving as the Commander, Air Force Security Assistance Center, where he managed foreign military sales programs with totals exceeding \$90 billion that supported more than 80 foreign countries; serving as a test pilot for the F-4, F-111, and F-16; Program Executive Officer for the Air Force Fighter and Bomber programs; and the first Program Manager for the Advance Tactical Fighter Technologies program, which evolved into the F-22 System Program Office. An experienced command pilot with more than 2,700 flying hours in more than 30 different aircraft, during the Vietnam War he flew 232 combat missions, 40 over North Vietnam.

Mr. Bolton served as commandant of the Defense Systems Management College, as special assistant to the assistant secretary of the Air Force for acquisition, and as Inspector General and director of requirements at Air Force Materiel Command headquarters.

Mr. Bolton received his USAF commission in 1969 through the University of Nebraska's Air Force ROTC Program, where he was a distinguished graduate. Mr. Bolton's education includes a Bachelor's degree in electrical engineering from the University of Nebraska; a Master's degree in management from Troy State University; and a Master's degree in national security and strategic studies from the Naval War College.

His numerous military awards include Defense Distinguished Service Medal, Legion of Merit, Distinguished Flying Cross with oak leaf cluster, Meritorious Service Medal with two oak leaf clusters, Air Medal with 16 oak leaf clusters, Vietnam Service Medal with three service stars, Republic of Vietnam Gallantry Cross, and Republic of Vietnam Campaign Medal.

Mr. Bolton currently serves as a Trustee on the National Board of Father Flanagan's Girls and Boys Town.



Randy Spratt
March 8, 2006
Wednesday 8:30 am–9:15 am

Randy Spratt is the executive vice president and chief information officer of McKesson Corporation. In this role, he is responsible for creating corporate-wide technology strategies that enhance McKesson's global business and customer operations.

Prior to his current role, Spratt most recently served as chief process officer for McKesson Provider Technologies (MPT). He has driven business transformation initiatives within MPT's core software business including product development, sales, support and implementation processes. He also managed MPT's Business Development, Information Technology and Strategic Planning offices, as well as MPT's Technology Services business.

Spratt has been a constant force for change, innovation, improvement and customer focus in his 18-year tenure with McKesson. His extensive technology background combined with business management experience, process orientation and passion for healthcare bring a unique capability to McKesson's senior management and information technology teams.

During his career with McKesson, Spratt has been responsible for leading and operating the division's most successful high-technology product groups, key imaging acquisitions and a variety of company-wide initiatives. These diverse initiatives include Global Software Manufacturing, HIPAA Project Office, Support Center Practices, the MPT Six Sigma Program, Development Practices including CMMI, McKesson Technical Fellows Program and the recent Operational Excellence Project Office.

Keynote Speakers, continued



Julia H. Allen

March 8, 2006

Wednesday 9:15 am–10:00 am

Julia Allen is a senior member of the technical staff within the Networked Systems Survivability Program at the Software Engineering Institute (SEI), a unit of Carnegie Mellon University in Pittsburgh, Pa. The CERT Coordination Center is also a part of this program.

Allen is engaged in developing and transitioning frameworks and executive outreach programs in enterprise security and governance. Prior to this technical assignment, Allen served as acting Director of the SEI for an interim period of six months as well as Deputy Director/Chief Operating Officer for three years. She started the Industry Customer Sector at the SEI in 1992.

Allen has over 30 years of managerial and technical experience in software engineering. Before joining the SEI, she held the position of Vice President at Science Applications International Corporation, responsible for starting a new software division specializing in embedded systems software for government customers. She was at SAIC for eight years. Allen also spent ten years at TRW in Redondo Beach, Ca. that included a range of assignments from integration, test, and field site support to managing major software development programs.

She received a BS in Computer Science from the University of Michigan, an MS in Electrical Engineering from the University of Southern California (USC), and an executive business certificate from the University of California at Los Angeles (UCLA). Her professional affiliations include IEEE Computer Society, the Institute of Internal Auditors (IIA), and the Information Systems Audit and Control Association (ISACA).



Fred Killeen

March 8, 2006

Wednesday 12:30 pm–1:15 pm

Fred Killeen currently serves as General Motors' interim chief technology officer, Information Systems and Services in addition to his current responsibilities as director of the Systems Development Factory.

Killeen joined General Motors in March 2001 as director systems integration for global product development, and was appointed to the role of director, Systems Development Factory in December of 2003.

Killeen is responsible for the evaluation of emerging information technologies and the insertion of those technologies into the mainstream of GM's systems and infrastructure. Killeen is also responsible for the systems development process and application architecture for the Information Systems and Services organization. He is currently leading the development of standardized processes for systems development that will form the foundation for standardized interaction with GM's suppliers. GM's joint work with the Software Engineering Institute in this area was the catalyst for initiating development of a CMMI model designed for acquiring organizations.

Before joining General Motors, Killeen held a variety of engineering, technology, and leadership positions over his 16 years with Hewlett-Packard, eventually becoming the GM Account Executive for Hewlett-Packard Consulting. Prior to Hewlett-Packard, Fred was a software developer for manufacturing test systems at Motorola.

Killeen holds a Bachelor of Science degree in Electrical Engineering from Michigan State University. He is on the Advisory Board for the Oakland University School of Engineering and Computer Science, and the University of Arizona IT Industry Research Council.

SEPG Events

The SEPG 2006 program features formal sessions as well as informal events and gatherings that provide opportunities to network, socialize, and explore special interests.

BEGINNERS BOOT CAMP

Sunday, March 5, 1 pm–3 pm



First-timers or those who just want to refresh their body of knowledge will learn the foundations of the process field. This complimentary, pre-conference, informal session will provide you with much of what you will need to know to become familiar with process improvement and the SEPG conference. Representatives from various technical organizations around Nashville have been invited to attend. ***You don't have to be registered for SEPG in order to attend!***

EXHIBIT SHOWCASE GRAND OPENING

Monday, March 6, 5 pm–6:30 pm

Kick off SEPG 2006 with a visit to the grand opening of the Exhibit Showcase. Don't miss the opportunity to view innovative products and services, network with your peers, win prizes, and enjoy Southern cuisine and a cash bar.

SEI BREAKFAST SERIES

Tuesday, March 7–Thursday, March 9

Our breakfast series features all new speakers in 2006. Tricia Oberndorf, Program Director of the Dynamic Systems Program, will give a presentation on Tuesday. Linda Northrop, Program Director of the Product Line Systems Program, will discuss the Product Line Practice Initiative on Wednesday, and Brian Gallagher, Program Director of the SEI's Acquisition Support Program, will present on Thursday morning.

RECEPTION

Tuesday, March 7, 6 pm–9 pm

At the end of a productive day at SEPG, there's no better way to relax than join the festivities at our reception, where you can meet old friends and new ones. This fun evening includes a delicious variety of hors d'oeuvres and a cash bar.

BOOK SIGNINGS AND BOOKSTORE

Tuesday, March 7 and Wednesday, March 8 in the Exhibit Showcase

Authors in the SEI Series in Software Engineering will be signing books at the SEI booth in the Exhibit Showcase during session breaks. A bookstore will also be located in the Exhibit Showcase and will be open during regular exhibit hours.

BIRDS-OF-A-FEATHER EVENING SESSIONS

Monday, March 6–Wednesday, March 8

To give like-minded conference participants the opportunity to discuss common interests, birds-of-a-feather (BoF) sessions will be held in the evenings on Monday, Tuesday, and Wednesday. Session formats range from open forums without set agendas to more formal gatherings with prepared questions or position statements. More information about these sessions will be available on site at SEPG 2006.

POSTER SESSIONS

Monday, March 6 and Thursday, March 9

Poster sessions give attendees the chance to connect with presenters for one-on-one dialogues about popular process issues and concerns. This year marks the return of SEPG poster sessions, which were highly attended and rated by our 2005 attendees.



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- If you are registering for the conference, you may also sign up for membership by selecting the appropriate SEI membership application fee on the conference attendee application, which can be found at www.sei.cmu.edu/sepg/register.html.
- If you would like to join the SEI Membership Program, but will not be registering for the conference, please visit our Web site at www.sei.cmu.edu/membership.

*SEI Membership is complimentary for active or retired U.S. Department of Defense (DoD) employees and members of the U.S. Armed Forces. Please indicate your Rank/Grade and Active or Retired status when applying for an Honorary membership. SEI Partners qualify for the \$200 membership rate. The annual renewal rate is \$200.

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To book a room for SEPG or for travel information, visit www.sei.cmu.edu/sepg/travel.html

Early Bird Discount

Receive \$100 off your regular conference fee if you register and send full payment by February 9, 2006.

For other discount opportunities visit www.sei.cmu.edu/sepg/register.htm

All rates are honored until Monday, February 13, 2006 based on availability. In order to obtain the discounted group rates, we recommend booking your hotel reservation early as rooms may sell out before then.

3 Easy Ways to Register for SEPG 2006!

1. Online. Go to www.sei.cmu.edu/sepg/register.htm. You must provide credit card information.

All conference attendees who register online will automatically be entered for the chance to win one full conference registration for SEPG 2007. Winners will be notified after the SEPG 2006 Conference.

2. Mail. Fill out the application form on our Web site at www.sei.cmu.edu/sepg/register.htm and send it with payment to: SEPG 2006 Registration, Box 223083, Pittsburgh, PA 15251.

3. Fax. Fill out the application form on our Web site at www.sei.cmu.edu/sepg/register.htm and fax both sides to 330-963-0319. The form will not be processed without credit card information. Registration fee includes meals, conference materials, and the SEPG 2006 conference proceedings on CD.

Prices	On or Before 2/9/06	After 2/9/06
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Full-Conference (4 days)	\$1,145	\$1,245
Half-Conference (2 days)	\$995	\$1,095
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