

**PSM 10<sup>th</sup> Annual Users' Group Conference**  
**Speaker/Workshop Lead Biographies**  
24-28 July 2006

**Bartol, Nadya**

**Booz Allen Hamilton Inc.  
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Ms. Bartol, Sr. Associate at Booz Allen Hamilton, has led implementation of security program measurement and improvement efforts for multiple government and commercial organizations, ranging from the CIO level to security engineering service providers. She has co-authored several National Institute of Standards and Technology (NIST) guidance documents, including Special Publication (SP) 800-55, Security Metrics Guide for IT Systems, NIST SP 800-65, Integration of IT Security into Capital Planning and Investment Control (CPIC) Process Guide, and NIST SP 800-100, Information Security Handbook: A Guide for Managers. Ms. Bartol serves as United States delegate to ISO/IEC JTC1 SC27 where she is one of the experts working on the ISO/IEC 27000 series standards. She also serves as chair of the International System Security Engineering Association (ISSEA) Metrics Working Group.

**Charette, Robert N.**

With over 30 years experience in a wide variety of software, systems and management positions, Robert N. Charette, Ph.D., is President of the ITABHI Corporation, and is an internationally acknowledged authority and pioneer in risk management. Over his career, Charette has been involved in dozens of risk assessments on international commercial, civil and military projects and programs ranging in cost from several million to several billion dollars each.

Charette is the working group chair of ISO/IEEE Standard 16085 on software and systems engineering risk management, and previously the working group chair of IEEE Standard 1540 on software risk management. He is a founding charter member of the Project Management Institute's risk management specific interest group and on its risk management advisory board. Charette was also the chair of the Software Engineering Institute's Risk Advisory Board. Charette was also the primary author of the risk management guidelines and framework for the UK Government; served on the National Research Council's post-Challenger select panel evaluating the effectiveness of NASA's space shuttle's software safety program; served as an advisor to the I-CAMP information technology security project of the Committee on Institutional Cooperation; was chief risk assessment designer of the DoD Tri-Service Assessment Initiative, and; is the former elected chair and vice-chair of the National Defense Industrial Association's Software Committee.

Robert Charette is the author of the McGraw-Hill books, *Software Engineering Risk Analysis and Management* (1989), *Applications Strategies for Risk Management* (1990), *Software Engineering Environments: Concepts and Technology* (1986), and co-author of *A Unified Approach for the Development of Systems* (1987). He also was the primary author of the British Government's *Introduction to the Management of Risk* (HMSO: 1993).

Along with these books, Charette has written risk management chapters or contributions for the *Encyclopedia of Software Engineering* (1994, 2001), *Advances in Computing* (1997) and *Effective Risk Management: Some Keys to Success* (2003).

**Dean, Joe**  
**Tecolote Research, Inc.**  
**ESC/FMC**

Joe Dean has been employed by Tecolote Research Inc., as a Technical Expert outside Boston Massachusetts since 1989. His focus is on cost estimating Software intensive systems and he applies his skills on everything from submarines to satellites. He is a former member of the Software Engineering Institute's Software Acquisition Metrics Working Group. Joe is the Secretary of the National Board of Directors for the Society of Cost Estimating and Analysis (SCEA). He is also retired from the Air Force where he spent the last seven years of his career at ESC/FMC, Hanscom AFB as a Cost Analyst and developed the "ESC Cost per Line of Code Model". Before that he was a Software Systems Analyst for the Communications Computer Programming Center at Tinker AFB in Oklahoma. Among many other things Joe has a Bachelor of Science degree in Math, a Masters Degree in Business Administration, is a Certified Cost Estimator/Analyst and is a Co-author of, Practical Software Measurement, Objective Information for Decision Makers.

**Dennis, Sheila P., CFPS**  
**David Consulting Group**  
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Sheila P. Dennis is a managing senior consultant for the David Consulting Group (DCG), where her primary focus is on the use of function point-based metrics in benchmarking, outsourcing and CMMI initiatives; coaching and mentoring; and measurement implementation and reporting. She is the Past President of the Rocky Mountain Function Point Users Group, has served on two International Function Point Users Group (IFPUG) committees, and is a Certified Function Point Specialist. Before coming to DCG in 2004, she served over 20 years in the Department of Defense as a software engineer, process engineer, and quality assurance manager, managing a portfolio of over 400,000 function points. While at DOD, she actively participated in PSM workshop activities and supported the use of the PSM Insight tool. She is an active participant in CMMI and metrics conferences, a workshop leader and teacher. As an accomplished writer, Sheila was a contributing author to IT Measurement - Advice from the Experts, contributing author of Guidelines to Software Measurement, and continues to write for other industry publications.

**Ferris, Mike**  
**Measurement Analyst**  
**General Dynamics Canada**  
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I have been with General Dynamics Canada for one year where I am the Measurement Analyst for the organization's Ottawa operations. In this role, I support measurement activities for the organization and for the projects within the organization. I am deeply involved in the company's CMMI Level 4 and Level 5 initiative.

Prior to joining General Dynamics Canada, I worked for eight years in the hi-tech sector as a Test and Data Analysis Specialist, specifically in manufacturing of semiconductors for high-speed, broadband optical networks.

My areas of expertise are in data collection and data analysis with a focus on automation.

I have a Bachelor's of Science (Physics) degree from the University of Waterloo, Ontario, Canada and I am a certified Technical Writer.

**Gaffney, John**

**Lockheed Martin Corporation  
Systems & Software Resource Center  
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j.gaffney@lmco.com**

John Gaffney is a Lockheed Martin Fellow and is a staff member of the Systems & Software Resource Center (SSRC). He provides support on measurement and quantitative management to projects across the Corporation on a demand basis. He has developed and continues to create new techniques and tools for defect analysis/estimation and cost/effort estimation and related risk estimation. John is a member of the Integrated Measurement Working Group and the Risk/Opportunity Management Working Group. He is a co-author of the Lockheed Martin Integrated Measurement Guide (EPI 280-04), and contributed the section on probabilistic risk/confidence estimation to the Lockheed Martin Risk/Opportunity Management Guide (EPI 100-21). He also contributed the comprehensive example section of the Lockheed Martin Technical Measurement Guide (EPI 270-19). He was the lead coauthor of the Software Measurement Guidebook (Thomson Computer Press, 1995). John developed the SWEEP, STEER, and DIRC defect models/tools. He is currently developing the COSYSMOR systems engineering cost/effort risk and schedule estimation model and tool. It expands upon the capabilities of the COSYSMO tool.

Before joining Lockheed Martin, John worked at IBM and the Systems and Software Consortium. He also worked at the National Weather Service and was a Visiting Professor of Computer Science at Polytechnic University (Brooklyn, NY), both while on leave from IBM. Later, he taught evening courses in the Johns Hopkins graduate computer science program. John holds an A.B in Engineering from Harvard, an M.S. in Electrical Engineering from Stevens Institute of Technology, and completed the course work for a PhD. in Statistics at American University. He is Registered Professional Engineer (P.E.), Electrical Engineering in the District of Columbia.

**Johnson, Raymond L.**

**Countrywide Home Loans**

Raymond L. Johnson is a seasoned IT Professional, PMP member and Manager of the Measurement Team at Countrywide Home Loans – Countrywide Servicing Systems Division (CSSD). Raymond joined Countrywide in August 2004 and accepted the challenge to develop and implement the Measurement Program to enable our management and customers to validate and objectively measure the business value of critical software and technology investments. Raymond has over 26 years of IT experience and has served as Sr. Project Manager with Verizon, Manager at Southwest Airlines, Sr. VP at Bank of America and Project Leader at ARCO. He received his BBA from Texas A&M Kingsville in 1979 and M.S. in Information Systems from University of Texas at Arlington in 1991. He has published an article titled "The Use of Function Point Analysis to Assess End User Computing Systems", JOURNAL OF COMPUTER INFORMATION SYSTEMS. His professional associations include: PMI, Leadership Dallas 2000 graduate; Selective Service System Board member, BETA GAMMA SIGMA, Honor Business Society.

**Jones, Cheryl**  
**US Army RDECOM-ARDEC**

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Cheryl Jones is a lead software engineer in the Quality Engineering & System Assurance Sciences Group at RDECOM-ARDEC at Picatinny, New Jersey. She is responsible for measurement and analysis, risk management, and estimation technology development and application across a wide base of DoD, Government, and Commercial programs and organizations. Her responsibilities encompass technology development, integrated process definition, practical technology application to support a variety of Performance and Decision Analysis requirements across numerous technical, acquisition, and management domains at multiple organizational levels.

Ms. Jones is the technical lead and project manager of Practical Software and Systems Measurement. This project is an international technical initiative responsible for the development and transition of effective measurement practices into the software and systems development communities. Ms Jones is a primary author of *Practical Software Measurement: Objective Information for Decision Makers*. Ms. Jones also manages the PSM Support Center. In this capacity she is responsible for directing the transition of PSM and related measurement guidance into practice across a wide community of users through DoD, government, and industry. She has been instrumental in linking corporate measurement processes to validated improvements in project and organizational performance.

Ms. Jones is a technical expert to the US Technical Advisory Group to International Standards Organization SC7, System and Software Engineering. Ms. Jones is the convener of Special Working Group 5, Architecture Management; co-editor of ISO/IEC 16085, Risk Management; editor of the revision to ISO/IEC 15939, Measurement Process, and the co-editor of ISO/IEC 15288, System Life Cycle Processes. She previously served as the US Head of Delegation to Working Group 13, Software Measurement Progress, which developed ISO/IEC 15939, Software Measurement Process. As part of this work Ms. Jones was successful in having the PSM defined measurement process become the baseline technology for both ISO and SEI CMMI based measurement practices and standards.

Ms. Jones holds a B.S. degree in Computer Science/Mathematics from the University of Georgia and an MBA in Management Information Systems from the University of Rhode Island.

**Juarez, Sharon**  
**Commander**  
**NAVAIRWARCENWPNDIV**  
**Sharon Juarez, Code 414200D**  
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Sharon Juarez is currently the Lead for Process Improvement for the F/A-18 Software Development Task Team (SWDTT). She began her career at the Naval Air Warfare Center, China Lake in 1980. Since then she has been involved in the management, development, test, and deployment of weapons, mission planning and support equipment programs for the center.

For the past five years her focus has been on process improvement. In March 2005 the SWDTT received a CMM Level 5 rating. The SWDTT is currently transitioning from SW-CMM to the CMMI.

**Kasunic, Mark**  
**Software Engineering Institute**  
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Mark Kasunic is a senior member of the technical staff at the Software Engineering Institute (SEI). He is currently a member of the Software Engineering Measurement and Analysis (SEMA) Group. Since joining the SEI, his work has focused on transitioning performance improvement technologies into practice through applied research, course development, consulting, and training. His current research and development interests are centered on practical measurement-based approaches that help individuals and teams improve their performance.

Mr. Kasunic has over 20 years of process improvement and measurement experience. Before joining the SEI in 1991, Mark was a software engineer and project manager for the Boeing Company. Later, as a member of Boeing's Training and Education Organization, he provided consulting and classroom instruction in computer languages, process improvement, and statistical process control. As an independent quality-improvement consultant, Mr. Kasunic provided training and close-in consulting and mentoring to teams implementing statistical process control and industrial design of experiments.

Mr. Kasunic has a Master's Degree from the University of Arizona in Systems Engineering with a focus in engineering applied statistics, control chart theory, experimental design, and systems modeling..

**Legg, Betsy**  
**Cost Analyst**  
**Tecolote Research, Inc.**  
**Chantilly, VA 20151**  
**703 633 2102**

I have lived in Northern Virginia for the past 20 years. I graduated Bethany College in 1985 with a BS in Computer Science. I have worked for various companies as a software developer for about 18 or so years and have worked for the Tecolote Research, Inc. for the past year and half doing cost for the government. I attended the PSM conference last year for the first time and loved it. Am really looking forward to coming back this year.

**Manlove, Diane**  
**6888 Mesabi Ct NW**  
**Rochester, MN 55901**  
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**dmanlove@us.ibm.com**

Diane Manlove is a Project Manager for IBM in Rochester, MN. She is currently the team leader for system stress test execution and tool development. Her background includes software quality management, system quality improvement, and product quality trend analysis and projections. She is certified by the American Society for Quality as a Software Quality

Engineer, a Quality Manager, and a Reliability Engineer and by the Project Management Institute as a Project Management Professional. She holds a Master's degree in Reliability and an undergraduate degree in Engineering. Ms. Manlove has been employed by IBM since 1984 and has additional experience in hardware and software test and in manufacturing quality.

**Co-Presenter:**

**Kan, Steve**  
**IBM, Bldg 50-2/Dept RMMA**  
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Dr. Kan is a Senior Technical Staff Member and a technical manager in programming at IBM in Rochester, Minnesota. He is responsible for the Quality Management Process in software development for IBM's eServer iSeries. He is the author of the book Metrics and Models in Software Quality Engineering, numerous technical reports, and articles and chapters in the IBM Systems Journal, Encyclopedia of Computer Science and Technology, Encyclopedia of Microcomputers, and other professional journals. Dr. Kan is also a faculty member of the University of Minnesota Master of Science in Software Engineering (MSSE) program.

**McGarry, John**

**U.S. Army Armament Research Development and Engineering Center (ARDEC)**

John McGarry is the lead engineer for Performance and Decision Analysis for the Quality Engineering and System Assurance Directorate at the U.S. Army Armament Research Development and Engineering Center (ARDEC). He is responsible for the development and application of performance management, risk management, and quantitative performance measurement and analysis technologies for the U.S. Department of Defense and other Government software intensive projects, and for the objective assessment of associated software development processes and products. Mr. McGarry was the initiator and original project leader of Practical Software and Systems Measurement, a joint Government and Industry initiative which focuses on transitioning software measurement and objective, information-based decision making into day-to-day business practice. He is currently supporting Department of Defense organizations in defining and implementing integrated multi-level performance measurement and risk management processes.

Mr. McGarry was the lead engineer for the development of the technical architecture and multi-discipline systemic analysis approach employed by the Tri-Service Program Assessment Initiative, and has been an assessment team lead for key Army, Navy, and Air Force programs. John has been a participant in the development of software engineering standards for the last ten years. He was the leader of ISO/IEC JTC1/SC7 WG13, which is responsible for developing and publishing international software measurement process standards.

Grade Level - GS 15  
B.S., U.S. Naval Academy - 1973  
MBA, University of Rhode Island - 1984

**Moss, Michele**  
**Booz Allen Hamilton**

Michele Moss is a Security Engineer at Booz Allen Hamilton. She has ten years experience in applying Capability Maturity Model concepts in various contexts. She has been involved in Information Assurance for 5 years. Ms. Moss has over 7 years of experience in software development. Most recently, she has led the development of Booz Allen's security engineering processes and their integration into Booz Allen's Organizational Standard Processes. Ms. Moss is also an active member of the Systems Security Engineering Community. She is a Certified Information System Security Professional (CISSP) and participates in several International Systems Security Engineering Association (ISSEA) Working Groups.

**Mueller, Marie**  
**The Boeing Company**

Ms Mueller is currently a Software Process Specialist for The Boeing Company, at the Satellite Development Center in El Segundo, California. She had 20 years experience as a Software Engineer in the Aerospace industry before changing her career direction to concentrate on processes and process improvement. As an early advocate of a systematic approach to software design and development, the evolution of CMM and CMMI came very naturally. Marie has spent the last ten years piloting and institutionalizing CMM, and more recently, CMMI processes. She turned her focus to measurement about 5 years ago, and since then has been involved in efforts to standardize processes and metrics across Boeing's Integrated Defense Systems organization. Marie is the Software Metrics Focal for Satellite Development Center, leads Boeing's Integrated Defense Systems Software Metrics Process Action Team, and is a member of the Boeing Integrated Defense Systems Common Metrics Focus Team.

**Murdoch, John**  
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John Murdoch is a Research Associate in the Department of Computer Science, University of York, UK. He is currently working as part of a joint UK Government /industry research project addressing the technical management of high integrity systems projects. Industrial partners are BAE SYSTEMS, Rolls-Royce plc and QinetiQ.

John has over twenty-five years' experience in aerospace and systems fields, starting in 1981 as a mission analyst, calculating orbits and fuel budgets for communications satellites. Subsequent assignments developed in the direction of space systems engineering, software-intensive systems and safety engineering. He has published papers in these fields and in technical process modeling and measurement. John holds a BSc degree in Physics and a PhD in Plasma Physics, both from Imperial College, London. He holds a DipBA from Warwick Business School and is a member of INCOSE.

John has been contributing to the safety and security measurement TWG of PSM since January 2003.



**Natwick, Gary**  
**Harris Corporation**  
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Gary Natwick is the CMMI® Leader for the Division Process Group responsible for Harris Corporation achieving SW-CMM® Level 4 and CMMI® Level 3, and is currently leading the advancement to CMMI® Level 4/5. Previously, he led the Software Engineering Process Group responsible for Harris Corporation achieving SW-CMM® Level 3. Natwick has over 30 years of Software and Systems Engineering experience (management, development, and process improvement) with the United States Air Force and Harris Corporation. He earned BS degree in Electrical Engineering from the University of Miami (Florida) and is a SEI-Authorized CMMI® Instructor, SCAMPISM Lead Appraiser, SCAMPISM B&C Team Leader, and former CBA IPI Lead Assessor.

Natwick has publications and over 20 presentations made at national conferences addressing: integrated processes, integrated measurement, process compliance, process appraisals & mini assessments, risk management, and validation. As the Harris Business and Technical Lead for the SEI Partner Network he has participated in CMMI® benchmarking & collaboration with industry, SEI, and NDIA. Natwick has received USAF and Harris awards for leadership and advancement in government and industry.



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**Rear Admiral Kathleen K. Paige**  
**United States Navy**  
**Keynote Speaker**

Program Director, Aegis Ballistic Missile Defense  
Director, Mission Readiness

Rear Admiral Kathleen K. Paige is the Program Director, Aegis Ballistic Missile Defense (BMD), the sea-based element of the Ballistic Missile Defense System (BMDS) under development by the Missile Defense Agency (MDA), and Commander, Aegis Ballistic Missile Defense, a Naval Sea Systems Command Field Activity. She is assigned additional responsibilities as the MDA Director, Mission Readiness. In this role, she leads the Mission Readiness Task Force which evaluates and makes process improvement recommendations regarding BMDS technical, engineering, and programmatic issues that impact MDA's ability to deliver a mission ready system.

Born in Schenectady and raised in Scotia, New York, Admiral Paige is a 1970 graduate of the University of New Hampshire and was commissioned in 1971. In 1976, she received a Master of Science degree in Computer Systems from the Naval Postgraduate School. She was designated an Engineering Duty Officer (EDO) in 1981.



Admiral Paige's first tour of duty was at VFP-63, San Diego, California. Subsequent tours of duty included Fleet Combat Direction System Support Activity, San Diego, California; Acquisition Manager in the Navy's Standard Embedded Computer Resource Office, Arlington, Virginia; Aegis C3 Warfare Officer and Combat Systems Baseline Manager, Aegis Shipbuilding Program; Chief Engineer, Naval Surface Warfare Center, Port Hueneme Division; and Technical Director, Aegis Program Office.

Her first Flag Officer assignment was as Commander, Naval Surface Warfare Center, Arlington, Virginia, in July 1996. In June 1998, she assumed duties as the Director, Theater Air and Missile Defense and Systems Engineering (TAMD&SE) in the Program Executive Office for Theater Surface Combatants (PEO TSC). As Director, TAMD&SE, she led the Interoperability Task Force, which coordinated the joint efforts of five program offices across three Systems Commands to complete a successful Operational Evaluation of the Cooperative Engagement Capability (CEC). In April 1999, she was concurrently assigned as the first ASN (RDA) Chief

Engineer, the Department of the Navy's senior technical authority for the development of system and technical architectures designed to improve the integration and interoperability of Navy and Marine Corps weapon, combat, and C4I systems. In July 2001, she became MDA's first Ballistic Missile Defense System Technical Director, the principal advisor to the MDA Director on all matters related to the planning and technical performance of the BMDS. She assumed her present duties in March 2003 (Aegis BMD) and March 2005 (MDA Director, Mission Readiness).

Admiral Paige's personal decorations include the Legion of Merit (3 awards), the Meritorious Service Medal (3 awards), and the Navy Achievement Medal.

## **CAREER SUMMARY**

- Over 29 years experience in the development, testing, and sustainment of complex integrated weapon systems, weapon system networks and global ballistic missile defense systems.
- Eight (8) years in positions of senior executive level leadership.
- Experience encompasses joint and international arenas as well as Navy surface, air, submarine, and command, control and communications systems.
- Noted for:
  - Strategic and technical leadership
  - Effective interaction with senior decision makers across DoD, Congress, industry, and allied defense organizations.
  - Pathfinding innovative acquisition approaches and organizational structures
  - Uniting diverse groups in the service of a single vision
  - Results: Delivering effective weapons systems to the operational forces

## **RECENT ACCOMPLISHMENTS (2000-2005)**

- Delivered the first operationally authorized ballistic missile defense system, countering short and medium range ballistic missiles, to two U.S. Navy cruisers.
- Responsible for the three most recent seabased ballistic missile defense flight intercept test successes, heralded for incorporating significant operational realism.
- Led the upgrade of the engineering disciplines within the ground-based strategic ballistic missile defense system, resulting in it's first successful flight test in over three years.
  - A major agent in forging the strong cooperative relationship between the U.S. and Japan for ballistic missile defense. Included the execution of a cooperative research program, and the crafting of a cooperative development plan to jointly design and produce an advanced Aegis ship-based missile to counter longer range ballistic missiles, acceptable to government and industry in both countries.
- Delivered the first element of the initial Ballistic Missile Defense System supporting strategic defense of the nation to forward deployed warships, in under two years. This previously unimagined capability responded to the National Security Presidential Directive issued in December 2002.
- Led the resolution of severe interoperability problems among the weapon and command, control and communications systems in two Carrier Battle Groups. Resulted in the approval to deploy ground-breaking weapon system networking capability in the fleet.

## **EDUCATION**

M.S., Computer Systems, Naval Post-graduate School--1976

B.A., Speech and Drama, University of New Hampshire--1970

Program Manager's Course, Defense Systems Management College--1993

## **SECURITY CLEARANCES**

- Active clearances to the TS/SCI level.



**Rieff, John**  
**Raytheon**

John is currently the Manager of Systems Engineering Process for NCS-North Texas. He will be soon joining a new business development group focusing on Information Security and Anti-Tamper technologies. Prior to these assignments he was the Deputy Director of Systems Engineering and Manager for Systems Engineering Process for the Garland site in the IIS business unit. He is the outgoing chair for the Raytheon Systems Engineering and Technology Council. In these positions, John supported engineering-wide initiatives related to systems engineering, cost estimation, process improvement, object-oriented technologies, and architecture-based development. John is one of the co-authors of the Raytheon Enterprise Architecture Process (REAP). He is a member of the COSYSMO Working Group.

John received his Bachelor of Science degrees from Iowa State University and graduate and post-graduate degrees from University of Texas. His research interests include distributed databases, object technologies, networking technologies, sports physiology, and human performance. John is very active in the Olympic movement and is a National Championship swimming official.

John has been employed by Raytheon since 1986. He has been a systems engineer, software developer, project leader, and research scientist prior to his current assignment. John and his wife, Heidi, live in Plano, Texas and have two daughters.



**Roedler, Garry**

**Senior Program Manager, Systems Engineering  
Engineering Process Improvement Center  
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Garry Roedler is the Senior Manager of Systems Engineering (SE) at the Lockheed Martin Engineering Process Improvement Center. He is responsible for the development/selection of SE processes, implementation assets, training, and tools for the corporation towards an integrated set of SE enablers to aid program performance. This role also serves as the advocate for the corporate SE Subcouncil. Previously, he was the Engineering Process Integration Manager for LM Integrated Systems & Solutions, responsible for strategic planning of technology needs, process technology development and infusion, and process maintenance and improvement of engineering processes. Prior to that, he chaired the Systems Integration Process Review Board for LM Management and Data Systems (M&DS), focusing on process improvement and achievement/sustainment of Level 5 CMM/CMMI objectives, including a world first to achieve Level 5 ratings in the SE-CMM.

Garry has over 26 years experience in engineering, measurement, and teaching and holds degrees in mathematics education and mechanical engineering from Temple University. Other work includes leadership roles in various technical and standards organizations, including: US Head of Delegation and Task Group leader for ISO/IEC JTC1/SC7 Working Group 7 (software and systems engineering process standards), Practical Software and Systems Measurement (PSM) Technical Steering Group; International Council On Systems Engineering (INCOSE) Corporate Advisory Board, Technical Board and Committees; INCOSE Delaware Valley Chapter co-founder; and the IEEE Standards Association. Garry has worked on the author teams of several currently used standards, including ISO/IEC 15288, Systems Life Cycle Processes (Project Editor); ISO/IEC 15939, Measurement (Co-editor); IEEE-1220, Application and Management of the Systems Engineering Process, ISO/IEC 16085, Risk Management; IEEE 1540, Software Risk Management. Recent collaborative products he has supported or led include development of a systems engineering cost estimation model (COSYSMO) from USC, Technical Measurement Guide from PSM/INCOSE, and the SE Leading Indicator Guide from LAI/INCOSE.

**Stauffer, Craig**  
**Countrywide Home Loans**

Craig Stauffer, First Vice President of Financial and Strategic Technical Planning has over 15 years experience in both Business and IT management and a proven track record supporting significant enterprise-wide methodology and process transformation. Since joining Countrywide Financial Corporation in 1998, he has been responsible for establishing the corporate unified System Development Life Cycle, Enterprise Change & Configuration Management and IT Problem Management and played a central role in the development of the Enterprise IT Governance methodology. In July of 2004 Craig made the transition over to the Countrywide Servicing Systems Development (CSSD) division in order to lead the Financial Management & Decision Support team. This team's primary focus is to provide a suite of services that enable senior management to run the IT organization like a business. This includes leading the implementation of the Certified Key Measurements program, establishing the Project Portfolio Management team responsible for supporting the Senior Leadership Team and the IT Governance process, driving the division Strategic Planning process as well as Financial Management and Budgeting process. Prior to Countrywide he provided IT and Business Management expertise at such companies as CB Richard Ellis, Prudential Health Care and Robert Charles Lesser & Co., LLC.

**Tarbet, J. Denton, PhD**  
**Galorath Incorporated**

Dr. Tarbet is a Senior Consultant with Galorath Incorporated. He holds an advanced degree in Systems Engineering from the University of Houston with research in Optimum Control Theory was funded by a NASA grant. Dr. Tarbet has over 30 years experience in systems and software engineering, incorporating over 20 years of experience as a successful project manager, Director of Engineering, and Vice President of Engineering. As a Director of Software Engineering, Dr. Tarbet's 135-person software organization received a certification of CMM Level 4. Prior experience includes management consulting in systems and software projects, process improvement and re-engineering, and the development and presentation of seminars in project management, Cost Modeling and Estimation, configuration management, quality assurance, systems integration and testing, and operating systems design and development.

**Velicer, Claire**  
**U.S. Naval Air Warfare Center**

Claire Velicer began working for the U.S. Navy at China Lake in 1988 shortly after earning her B.S. and M.S. in Computer Science from the University of California at Santa Barbara. Her first year was spent completing the Naval Air Warfare Center China Lake's Junior Professional Program after which she became part of the F/A-18's Software Development Task Team. She has been a part of that team ever since. Ms. Velicer was a software developer designing and implementing new functionality into the F/A-18 Mission Computer for the first seven years of her 18 year career with the team. In this role she contributed to a large number of fleet released products and supported the acquisition of new avionics systems for the platform.

Ms. Velicer became the Task Team Lead for the F/A-18 Software Development Task Team in 1995. Over the last 11 years she has successfully managed the team that has developed and delivered products to the entire F/A-18 community including domestic and foreign military.

In March of 2005 her team's dedication to continuous process improvement culminated in the F/A-18's Software Development Task Team earning SEI's CMM Level 5 rating – a first for the U.S. Navy.

Ms. Velicer has been married for 15 years to Greg Velicer, a Electrical Engineer at China Lake, and they have three children ages 1, 10 and 12.