

Beyers, Craig P.
Senior Staff
SETA Corporation
6862 Elm Street, Suite 600
McLean, VA 22101-3833
703-286-4009
cbeyers@seta.com
craig.beyers@associates.dhs.gov

Craig P. Beyers is a Senior Staff member of SETA Corporation. He currently supports the Office of Information and Technology (OIT), U.S. Customs and Border Protection (CBP), where he is a member of the Planning Group. Mr. Beyers leads the Enterprise Measurement Initiative as part of the OIT Enterprise Process Improvement Program.

Prior to joining SETA, he was an internal consultant and project manager with American Management Systems (AMS). He led the Measurement Practice in the AMS Best Practices group for more than six years, where he consulted with projects on estimates, project tracking, quality, and general objective project management. He was once a Certified Function Point Specialist (CFPS) and taught function point analysis. He taught the SEI's *Introduction to the CMM* and mentored internal staff in using QSM's SLIM suite of project management tools. He also led or participated in multiple CBA IPIs and helped develop AMS's Snapshot CMM assessment tool.

Mr. Beyers has more than 25 years experience in project management and software development and has been consulting on software process improvement for more than 10 years. He earned a Bachelor of Science in Engineering from Oakland University (Michigan) in 1972. Mr. Beyers has spoken at and been active in the Washington, DC SPIN; the Washington, DC Chapter of the Society for Software Quality; the QSM User Group conferences; and the International Function Point Users Group (IFPUG). He authored a chapter in the IFPUG book "IT Measurement: Practical Advice from the Experts", published in 2000.

Bridel, Jeanne
Federal Aviation Administration

Jeanne Bridel is the chief engineer for the FAA's Enhanced Back-Up Surveillance System (EBUS). She is responsible for implementing the project's lifecycle activities (requirements definition, system development and testing according to the baseline schedule and contract specifications).

Jeanne began her career in 1984 as a systems engineer and program manager at the Naval Surface Warfare Center (NSWC). In 1990, she began working for IBM and Lockheed Martin in support of the FAA's Enroute Air Traffic Control systems. She has experience as a test engineer and held several management positions in SW, test and engineering on the Display System Replacement (DSR) program. Jeannie was the chief engineer of the DSR program from 1998-2004.

Jeanne earned her Bachelor's degree in Industrial Engineering/Operations Research from the University of Massachusetts, Amherst MA. She earned a Masters degree in Public Administration from the Virginia Polytechnic Institute and State University, Blacksburg, VA.

Caseley, Paul
Software Safety Specialist
Defence Science Technology Laboratory
NX9,
St Andrews Road,
Malvern, Worcs, WR14 3PS, UK.
+44 (0) 1684 77 1476
prcaseley@dstl.gov.uk

Paul Caseley works for the UK Ministry of Defence (MOD) Defence Science and Technologies Laboratory (Dstl). He has nearly twenty years experience at all levels of the system and software development lifecycle. His role is as a researcher and advisor for MOD in software and system safety.

Paul also works extensively within the UK safety community and is currently the chair of the IEE/BCS Independent Safety Assessors working group, a member of the IEE Functional Safety executive committee and a member of the MOD safety standard review committee. The latter committee is currently reviewing the system and software MOD Defence Standards 00-56 and 00-55. Paul has helped develop guidelines on the use of Independent Safety Auditors in MOD projects and is has investigated an evidence based approach to certifying the safety of software for the MOD. He is one of the authors of the new draft system and software standard replacing 00-56 and 00-55. Along with the University of York, he has been leading a research programme investigating the means to measure safety processes and is currently working on extending Defence Standard 00-56 to include project measurement requirements.

Paul is a Chartered Engineer and is a Member of the British Computer Society and Institute of Electrical Engineers.

Clark, Betsy
Software Metrics, Inc.

Elizabeth (Betsy) Clark has been involved in the practical application of measurement for predicting, controlling and improving software process and product quality since 1979. She is the President of Software Metrics, Inc., a Virginia-based consulting company she co-founded in 1983. Dr. Clark is a primary contributor to *Practical Software Measurement: A Guide to Objective Program Insight*. She is a PSM instructor and has conducted numerous PSM training classes and workshops within the United States and Australia. Dr. Clark was also a principle contributor to the Software Engineering Institute's (SEI) core measures. She is an IFPUG Certified Function Point Specialist (CFPS). She is also the author of a chapter on software progress measures in *IT Measurement: Practical Advice from the Experts* (published this year by Addison-Wesley). She has contributed to numerous studies of software best practices for the DoD and FAA.

Through her affiliation with the Institute for Defense Analyses, Dr. Clark has extensive experience in performing independent cost analyses for government clients. Her experience covers a range of weapons platforms as well as large information systems. Dr. Clark is currently working with Dr. Barry Boehm and Chris Abts of USC to develop and calibrate a cost-estimation model for COTS-intensive systems (COCOTS) under sponsorship of the Federal Aviation Administration.

For the past three years, she has been involved in implementing enterprise-wide measurement programs, first for the Naval Center for Tactical Systems Interoperability and, more recently, for Customs and Border Protection.

Dr. Clark received her B.A. in Psychology with distinction from Stanford University in 1973. She received her Ph.D. in Cognitive Psychology from the University of California, Berkeley in 1979. She is an accomplished equestrian, having earned her Bronze, Silver, and Gold medals from the United States Dressage Federation.

Clark, Brad
Software Metrics, Inc.
4345 High Ridge Road
Haymarket, Virginia 20169
703-754-0115
brad@software-metrics.com

Brad Clark is an independent consultant in the area of software measurement with 12 years experience in software development and management best practices. Brad specializes in the area of software product and software process measurement. He has worked with client organizations to develop effective measurement programs. In the course of this work, he has delivered software measurement training; led workshops to startup a measurement program; written software measurement plans; performed independent analyses of measurement results; and presented analysis results to executive-level management. He has also designed data repositories for storage of measurement and process data.

He is currently a Research Associate with the Center for Software Engineering at USC and has co-authored a book with Barry Boehm and others on "Software Cost Estimation with COCOMO II." He helped define the model, collect and analyze data, and calibrate the model.

He is also a Visiting Scientist at the Software Engineering Institute, Carnegie-Mellon University, Pittsburgh, Pa. He works in the Software Engineering Measurement and Analysis group. He has developed a course on how to use software metrics to manage projects.

Dr. Clark received his B.S. in Computer and Information Science from the University of Florida in 1978. He received a M.S. degree in Software Engineering in 1995 and a Ph.D. in Computer Science in 1997 from the University of Southern California.

Creel, Rita Costello
Senior Project Leader
Aerospace Corporation
15049 Conference Center Drive
Chantilly, VA 20152
Phone: 703-808-2262
rita.creel@aero.org

Rita Costello Creel is a Senior Engineering Specialist at The Aerospace Corporation. Ms. Creel has 20 years of experience in software-intensive systems engineering and acquisition for the DoD, NASA, and other customers. She has successfully applied measurement to programs and performed and published original research in the area of measurement for requirements engineering. Ms. Creel has also contributed to research in risk assessment, the acquisition process, and process assessment methods, and to the development of commercial software engineering standards. Prior to joining Aerospace in 1990, she worked at TRW, Inc. (now Northrop Grumman Space Technology), where she participated in and led full lifecycle software system development activities for communications and scientific satellite systems. She received her Bachelor of Science degree in Engineering and Computer Science and her Master of Science degree in Computer Engineering and Computer Science from California State University, Long Beach.

Dean, Joe
Tecolote Research, Inc.

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.

Gaffney, John
Lockheed Martin
700 North Frederick Ave
Gaithersburg, MD 20879-3328
Voice: 301-240-7038
Fax: 301-240-7009
j.gaffney@lmco.com

John Gaffney is a Principal Engineer in the Systems & Software Resource Center (SSRC) of Lockheed Martin in Gaithersburg, MD. The SSRC is part of the Lockheed Martin Corporate Staff and provides consultation and training across Lockheed Martin.

Gaffney provides consultation to the various business units of Lockheed Martin in measurement and quality and in process improvement and the improvement of project management through the use of quantitative information. Also, in recent years, he has worked on various aspects of computer security especially on intrusion detection. Earlier, he was Principal Technologist at the Software Productivity Consortium (SPC) where he started the measurement program. Prior to working at SPC, he worked at IBM, where his last position was Manager of Software Technology at the Gaithersburg, MD, facility.

Gaffney was a Visiting Professor of Computer Science at Polytechnic University, Brooklyn, NY for one year, and also taught graduate computer science courses at the Montgomery County campus of Johns Hopkins University. Further, he was loaned by IBM to work for one year at the headquarters of the National Weather Service.

Gaffney is the principal author of the *Software Measurement Guidebook*, published in 1995 by International Thomson Computer Press.

Gaffney received an AB from Harvard in Engineering Science and an MS from the Stevens Institute of Technology in Electrical Engineering. He also completed the course work for a PhD in Statistics at the American University. He is a registered Professional Engineer.

Garmus, David
Principal
The David Consulting Group
1935 Salt Myrtle Lane
Orange Park, FL 32003
Tel: (904) 269-0211
Fax: (904) 215-0444
dg@davidconsultinggroup.com

David Garmus is a Principal of The David Consulting Group (DCG), an SEI CMMI® Approved Transition Partner and a PSM Transition Organization that supports software development organizations in achieving software excellence with a metric-centered approach. David is an acknowledged authority in the sizing, measurement and estimation of software application development and maintenance. He has assisted numerous clients in identifying opportunities for improvements in productivity and software quality during engagements that have included a wide variety of challenges facing information systems executives. He previously served as the Development Manager at the CACI Design and Development Center in Mechanicsburg, PA and taught college-level courses in computer programming, system development, information systems management, data processing, accounting, finance and banking.

David serves as a Past President of the International Function Point Users Group (IFPUG). He is a member of the IFPUG Counting Practices Committee, the organization responsible for developing and maintaining Function Point counting rules. David is also a member of PMI (and their Information Systems Specific Interest Group), a member of QAI and a member of the IEEE Computer Society (and their Standards Association). He has a BS from the University of California at Los Angeles and an MBA from Harvard University Graduate School of Business Administration. He has spoken at numerous conferences and has written many articles and several books, including:

Measuring The Software Process: A Practical Guide To Functional Measurements, Prentice Hall, 1996 with David Herron

Function Point Analysis; Measurement Practices for Successful Software Projects, Addison-Wesley, 2001 with David Herron

IT Measurement; Practical Advice from the Experts, Addison-Wesley, April 2002 as a Contributor

IT Metrics and Benchmarking, Cutter IT Journal, Guest Editor June & November 2003 issues

"Estimating Software Earlier and More Accurately," CrossTalk, The Journal of Defense Software Engineering, June 2002 with David Herron

"Estimating Time, Effort, and Cost", Software Testing & Quality Engineering, Nov/Dec 1999

Goldenson, Dennis R.
Software Engineering Institute
Carnegie Mellon University
Pittsburgh, PA 15213-3890
Voice: 1.412.268.8506
dg@sei.cmu.edu

Dennis R. Goldenson is a senior member of the technical staff in the Software Engineering Measurement and Analysis initiative at the Software Engineering Institute in Pittsburgh, Pennsylvania, USA. His work focuses on improving the practice of measurement and analysis, the improvement of process models and appraisal methods, and the impact and transition of process improvement and other software engineering technologies. Related interests are in tools to support collaborative processes, requirements analysis, survey research, modeling and simulation, experimental design, and the visual display of quantitative information. Dr. Goldenson is a principal author of the Measurement and Analysis Process Area for CMMI[®], and he served as co-lead of test and evaluation for the project. He currently is leading the SEI's empirical investigations into the adoption, impact and improvement of the CMMI Product Suite. Previously, he was the international trials coordinator for the SPICE project in support of ISO/IEC 15504.

Hawald, Stephen
Executive Consultant
Robbins Gioia, LLC
7400 Fullerton Rd.
Suite 105
Springfield, VA 22153
Phone: 703-440-3147
Fax: 703-440-3014
Stephen.Hawald@associates.dhs.gov

Stephen Hawald is an Executive Consultant with Robbins-Gioia, LLC. He has over 20 years of experience in all software development life cycle aspects for technology and held positions from EDP auditing and technical consulting to Chief Information Officer & Vice President of Technology. Mr. Hawald applied Software Engineering Institute SA-CMM and SW-CMM frameworks to achieve Level 2 at two organizations and built several quality assurance and IV & V departments using six sigma and BPR techniques in the last seven years. He is currently migrating and applying CMMI-AM framework to his civilian agency clients. His affiliations include:

- Certified Information Systems Auditor (CISA)
- Post Secondary Electronic Standards Council; SML Steering Committee
- The Data Warehouse Institute- Member
- Society of Information Management (SIM)
- IEEE
- Project Management Institute (PMI)- Member and PMP Candidate
- Software Engineering Institute (SEI)- Member and Candidate for Visiting Scientist

Herron, David
The David Consulting Group
19 Pointe View Drive
Medford, NJ 08055
Tel: (609) 654-6227
Fax: (609) 654-2338
dh@davidconsultinggroup.com

David Herron is a Principal of The David Consulting Group (DCG), an SEI CMMI® Approved Transition Partner and a PSM Transition Organization that supports software development organizations in achieving software excellence with a metric-centered approach.

Mr. Herron has over 25 years of experience in software development. During the last ten years he has served as a consultant to Fortune 500 companies in the areas of software metrics and software risk management. He is an acknowledged authority in the measurement and estimation of software productivity and quality, specializing in the determination of software project size, effort and cost. His engagements have supported clients on the use of metrics to monitor the impact of IT on the business, on the advancement of IT organizations to higher levels on the Software Engineering Institute's Capability Maturity Model and on the governance of offshore outsourcing arrangements.

Mr. Herron has addressed audiences throughout the U.S. and Europe on functional measures and software estimating. He serves on the Industry Benchmark and Management Reporting Committees of the International Function Point Users Group.

Publications

"Functional Ratio Estimating," a Software Productivity Research White Paper

"Accurate Estimation," *Software Development Magazine*, July 1996, with David Garmus

"Function Points," *Data Manager*, Sept 1997

"A Measure of Success," *siliconindia*, July 1998

Measuring the Software Process: A Practical Guide To Functional Measurement, Prentice Hall, 1996 with David Garmus

"Using Functional Metrics to Effectively Govern Outsourced Applications," Cutter Consortium, March 2000

"Establishing Effective Service Levels," Cutter Consortium, May 2000

"Application Maintenance Outsourcing," Cutter Consortium, June 2000

Function Point Analysis; Measurement Practices for Successful Software Projects, Addison-Wesley, Nov 2000, with David Garmus
IT Measurement; Practical Advice from the Experts, Addison-Wesley, April 2002, as a Contributor

"Estimating Software Earlier and More Accurately," *CrossTalk, The Journal of Defense Software Engineering*, June 2002 with David Garmus

"Effective Insourcing: Being End Users' `Provider of Choice'", Cutter Consortium, March 2004

"Finding the True Value of Outsourcing", Cutter Consortium, April 2004

Jones, Cheryl
US Army ARDEC
QE&SA
AMSRD-AAR-QEW-D
Bldg 62
Picatinny Arsenal, NJ 07806-5000
Voice: 973-724-2644
Fax: 973-724-2382
DSN: 724-2382
Cheryl.jones5@us.army.mil

Cheryl Jones is a software engineer in the Software-Intensive Systems Evaluation business area at TACOM - ARDEC in Picatinny Arsenal, New Jersey. She is the lead for the Performance Management project and is responsible for measurement and analysis, risk management, and estimation, within the Software Enterprise. This encompasses policy and procedure development, organizational implementation, and project-level support.

Ms. Jones is also the project manager of Practical Software and Systems Measurement. The objectives of this project are to develop effective measurement practices and to transition into general use an integrated measurement approach. Ms Jones is one of the authors 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

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 convenor of Special Working Group 5, Architecture Management and previously served as the US Head of Delegation to Working Group 13, Software Measurement Progress, which developed ISO/IEC 15939, Software Measurement Process.

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.

Lane, Jo Ann
Consultant to USC Center for Software Engineering (CSE)
jalane@tns.net
858-945-0099

Ms. Jo Ann Lane is currently a consultant supporting software engineering and research activities at the University of California (USC) Center for Software Engineering (CSE). In this capacity, she is currently working on a cost model to estimate the effort associated with system-of-system architecture definition and integration as well as supporting efforts to integrate various CSE software system cost models. Ms. Lane is also currently an instructor at San Diego State University, teaching Software Engineering, Software Measurement, and Software Test courses.

Prior to her consulting and teaching work, Ms. Lane was a key technical member of Science Applications International Corporation's (SAIC) Software and Systems Integration Group, as well as chairperson of the SAIC corporate Software Metrics Working Group. Her areas of expertise include software project management, software process definition and implementation, and metrics collection and analysis. She has over 28 years of software engineering and development experience on a variety of projects that include distributed information management systems, commercial off-the-shelf (COTS) integration, web applications, health care/telemedicine applications, command, control, communications, and intelligence (C3I) systems, real-time signal processing, and aircraft simulation programs.

Ms. Lane earned her BA in Mathematics and MS degree in Computer Science from San Diego State University. She is currently working towards her PhD at USC.

Lindley, Joe H.
972-205-7281
joe_h_lindley@raytheon.com

Mr. Lindley is employed by Raytheon, Intelligence and Information Systems, in Dallas, Texas as a Project Measurement Coordinator. He has been with Raytheon for 15 years serving in a variety of SW management and process improvement roles. Prior to that, he worked in the cancer therapy medical technology field as a V.P. of Marketing and as a Regulatory and Customer Relations Manager. His early technical experience, as a SW engineer and lead, was with UNIVAC and Texas Instruments. He has a Masters Degree in Electrical Engineering.

Significant accomplishments:

- Developed “Best Practice” metrics process (Raytheon)
- SW Management (Successful completions) (Raytheon)
- Highest company SEI ratings at the Electrospace (Raytheon) facility
- Developed company SW process documents (Electrospace).
- Generated winning state proposals for medical equipment (BSD Medical)
- Gained complex FDA medical device approvals (Clini-Therm Corp.)
- Patent on Global Positioning System software (Texas Instruments)

McGarry, John
US Army ARDEC
AMSRD-AAR-QEW-D
Building 92
Picatiny Arsenal, NJ 09806-5000
Phone: 973-724-7007
Fax: 973-724-2924
jmcgarry@pica.army.mil

John McGarry is the lead engineer for Measurement and Performance 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 software 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 the Department of Defense in defining and implementing integrated multi-level performance measurement and risk management processes for software-intensive projects and organizations.

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. He is currently implementing integrated measurement, risk, and assessment technologies in support of government and industry systems development programs under ARDEC's Capability Based Performance initiative.

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

McGovern, Daniel P
Manager DSR ISMT
Federal Aviation Administration Technical Center
Atlantic City NJ 08405
609-485-5914
Daniel.mcgovern@faa.gov

Daniel McGovern is manger and team lead of the FAA's Display System Replacement (DSR) In Service Management team. He is responsible for overseeing all the planning, budget execution, design, development, integration, test, deployment and field support of the DSR System Releases to the 20 enroute Air Traffic Control Facilities in the United States.

He has been a computer scientist and manager with the FAA for over 30 years and has served on numerous projects involving designing, developing, integrating, testing and deploying real-time complex air traffic control systems.

He earned his Bachelor and Masters of Science in applied mathematics from Drexel University and has been a member of IEEE for the past 20 years

Miller, Chris
Senior member of the technical staff
Software Productivity Consortium

Chris Miller is a senior member of the technical staff at the Software Productivity Consortium. Mr. Miller has intensive experience in metrics, measurement, and process improvement of software and systems engineering processes. In addition he has a background in quantitative analysis evaluating performance and optimization of systems. Chris is an active participant in the International Council on Systems Engineering (INCOSE) Measurement Working Group (MWG) and Practical Software and Systems Measurement (PSM) Technical Working Group (TWG). Mr. Miller holds a Masters of Engineering Management in Systems Engineering at the George Washington University and is a member of their adjunct faculty.

Mooney, Kevin
Principle Consulting Manager
Robbins Gioia, LLC
7400 Fullerton Rd.
Suite 105
Springfield, VA 22153
Phone: 703-440-3109
Fax: 703-440-3014
kevin.e.mooney@customs.treas.gov

Kevin Mooney is a Principle Consulting Manager for Robbins-Gioia, LLC. His 30 years of systems engineering experience includes over 12 years of in-depth process improvement implementation efforts for Department of Defense contractors, commercial companies, and government civilian agencies. He has been responsible for implementing measurements programs in each of these disciplines. Mr. Mooney is a Lead Evaluator for SW-CMM and has participated in numerous CMM assessments including assisting a government civilian agency achieve SA-CMM Level 2. He is currently responsible for implementing a measurement program following the PSM methodology for this agency.

Pridgen, Timothy
Principal Quality
General dynamics Maritime Digital Systems
P. O. Box 26002
Greensboro, NC 27420
Tel 336-698-7885
Fax 336-698-7845
timothy.pridgen@gd-ais-com

Tim Pridgen is a Principal Engineer for Integrated Process & Quality within General Dynamics Advanced Information Systems (GDAIS). His charter is to define, implement, and deploy enterprise processes across the entire organization with over 10,000 employees. Tim is currently serving as the administrator of the GDAIS Organizational Measures Repository (OMR). He provides measures specification and collection assistance to all business areas, and to the Executive Leadership Team, which consists of the President and his immediate staff. In addition, Tim also serves as Six Sigma Blackbelt for various process improvement projects across the organization. Tim holds a B. S. degree in Industrial Engineering from North Carolina State University.

Putnam Lawrence H.
Quantitative Software Management, Inc.

Lawrence H. Putnam is the founder and CEO of Quantitative Software Management, Inc., a developer of commercial software estimating, benchmarking and control tools known under the trademark SLIM®. He served 26 years on active duty in the U.S. Army and retired as a colonel. He holds a BS from the United States Military Academy, a MS degree in Physics from the Naval Postgraduate School. He has been deeply involved in the quantitative aspects of software management for the past 25 years. He is the co-author of five books on software estimating, control and benchmarking. He is a member of Sigma Xi, ACM, IEEE and IEEE Computer Society. He was presented the Freiman Award for outstanding work in parametric modeling by the International Society of Parametric Analysts.

Reifer, Donald J.
Reifer Consultants, Inc.
P. O. Box 4046
Torrance, CA 90510-4046
(310) 530-4493
dreifer@earthlink.net

Donald J. Reifer is recognized as one of the leading figures in the fields of software engineering and management with over thirty-five years of progressive management experience in both industry and government. From 1993 to 1995, Mr. Reifer managed the DoD Software Initiatives Office under an Intergovernmental Personnel Act assignment with the Defense Information Systems Agency. As part of this Senior Executive Service assignment, he served as the Director of the DoD Software Initiatives Office under the ASD/C3I. He also served as Director of the DoD Reuse Initiative and Chief of the Ada Joint Program Office. Previously, while with TRW, Mr. Reifer served as Deputy Program Manager for their Global Positioning Satellite efforts. While with the Aerospace Corporation, Mr. Reifer managed all of the software efforts related to the Space Transportation System (Space Shuttle). Currently, as President of RCI, Mr. Reifer advises executives in Fortune 500 firms worldwide in the areas of software investment and improvement strategies. He is known for both his business and practical problem solving skills.

During the past 20 years, Reifer has published over 100 software engineering and management papers and 5 books including his recent 6th edition of his popular "Software Management Tutorial (IEEE Computer Society, 2002)" and the text "Making the Software Business Case: Improvement by the Numbers (Addison-Wesley, 2001)." Mr. Reifer is currently a Visiting Associate at the Center for Software Engineering at the University of Southern California where he interfaces with affiliates, participates in work on systems engineering and security cost modeling, and serves as a senior member of several other project teams.

Reifer's many awards include the Secretary of Defense's Medal for Outstanding Public Service, the NASA Exceptional Service Medal, the AIAA Software Engineering Award, the ISPA Frieman Award, the DISA Service Award, the Defense Mapping Agency Recognition Award, membership in Who's Who in the West, and the Hughes Aircraft Company Fellowship.

Reifer received his BS in engineering from New Jersey Institute of Technology, his MS in operations research from USC and the Certificate in Business Management from UCLA.

Rieff, John E.
Deputy Director – Systems Engineering
Raytheon Company
Intelligence and Information Systems
P.O. Box 660023
Dallas, Texas 75266-0023
972-205-7641
John_E_Rieff@raytheon.com

John is the Deputy Director of Systems Engineering for the Garland site. Prior to this assignment, John was the Manager of Systems Engineering Process. In these positions, John supports 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. He is also the current lead for the Raytheon Systems Engineering and Technology Council

John received his Bachelor of Science degrees from Iowa State University and graduate and post-graduate degrees from University of Texas, Iowa State University, and University of Iowa. 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 E-Systems (now Raytheon) from 1986 to the present. He was previously employed by Texas Instruments and Rockwell International. He has been a systems engineer, project leader, research scientist, and process engineer prior to his current assignment. All of his tenure has been at the Garland site. John and his wife, Heidi, live in Plano, Texas and have two daughters.

Russac, Janet
Managing Senior Consultant
The David Consulting Group, Inc.
2057 River Oaks Dr.
Jacksonville, FL 32259
Tel: (904) 529-9951
jrussac@davidconsultinggroup.com

Summary of Experience

Ms. Russac is a Managing Senior Consultant for The David Consulting Group. She is a recognized authority in the estimation and planning of software development projects using function point analysis and estimating models. Ms. Russac's experience includes software sizing, estimation, training, mentoring and auditing. She teaches all David Consulting Group function point analysis courses. Ms. Russac is experienced in the use of automated metric tools including Function Point WorkBench, S.M.A.R.T. Counter, S.M.A.R.T. Predictor, Checkpoint and Knowledge Plan. Typically, her engagements include function point training, mentoring and counting as well as assisting clients in setting up a software measurement program.

Professional Background

Ms. Russac has over 20 years of experience as a programmer, analyst and measurement specialist in software application development and maintenance. She previously worked for Software Productivity Research, IBM Global Services and Prudential Insurance as a lead function point analyst, software measurement specialist and function point instructor. She has implemented software development measurement programs and used various software development metrics, including function points, to recommend business decisions and identify best practices and process improvements in client organizations.

Before becoming a measurement analyst, Ms. Russac served as a manager, lead analyst and programmer, specializing in COBOL and Cobol II programming.

Professional Organizations

Ms. Russac is a member of the International Function Point Users Group (IFPUG) and currently serves as the Chair of the Management Reporting Committee. She is a Certified Function Point Specialist, having fulfilled all IFPUG requirements for this title. She is also a PSM trainer.

Publications and Presentations

IT Measurement; Practical Advice from the Experts, Addison-Wesley, April 2002, as a Contributor

"IT Measurement Programs: Why, What and How," FL Gov Tech Conference 2003

"Function Points: Their Role in Software Measurement," FL Gov Tech Conference 2002

Education

University of North Florida, BA, 1994 (Magna Cum Laude)

University of North Florida, partial work toward MA

Schwalb, Jeff

Jeff Schwalb is the national TSP/PSP lead for NAVAIR. He has been employed by the Naval Air Warfare Center at China Lake, California since 1984. He spent the first ten years of his career developing various embedded real-time range instrumentation software intensive systems. He became a Personal Software Process instructor in 1995 and an observed TSP launch coach in 2001. He has since taught all of TSP/PSP courses many times and has also been involved in the TSP launch and relaunch of more than a dozen projects across NAVAIR. He received his Bachelor of Science degree in computer science from California State University Chico in 1986.

Seaver, David

Price Systems

David Seaver joined PRICE Systems in March 2002 as Technical Director for Software Estimation and Measurement. He has more than 18 years experience in the area of software estimation and measurement in government and industry. Mr. Seaver is currently supporting NAVAIR on a variety of projects in Patuxent, Maryland including E-6B, and VH60, VHXX and CH53.

Prior to joining PRICE Systems he was with Fidelity Investments in Boston for 6 years where he was a member of the Software Engineering Process Group. While at Fidelity, Mr. Seaver assisted in the achievement of CMM level 2 in 1998. For the past two years he was the Director of the company's IT Measurement Program. Mr. Seaver served as the liaison for Fidelity at the COCOMO 2 project at the University of Southern California center for Software Engineering. Previous to Fidelity Investments, he spent two years in France at Alcatel Alsthom as a member of the Corporate SEPG in Paris. Mr. Seaver coordinated CMM assessments for two Alcatel business divisions and participated in 3 assessments as a member of the assessment team.

Mr. Seaver spent 7 years supporting NASA at Goddard Space Flight Center developing software size, effort and schedule estimates for numerous NASA programs including EOS, TDRSS, White Sands Ground Station, Space Station, and the Space Network Control Center. He introduced functional size estimation to NASA Goddard, and was recognized by NASA for one of the key Total Quality Management initiatives in 1993. In 1990 –1991 Mr. Seaver was a member of the Software Measurement Working Group at the Software Engineering Institute.

Mr. Seaver holds a B.A. in Political Science from Brandeis University and an M.B.A. from Rutgers University Graduate School of Management. He is a certified Function Point Expert, and has a certification in Program Management from The American Graduate University.

Statz, Joyce
TeraQuest

Dr. Joyce Statz is Vice President of Knowledge Management at TeraQuest, where she helps employees and client organizations with process improvement programs. She coordinates development of product and service offerings which help clients to build and deploy improved processes, develop Project Management Offices, and establish measurement programs. Joyce is a co-founder of TeraQuest, experienced in consulting and training in areas of risk management, project management, measurement, software life cycles, the Software Engineering Institute (SEI) maturity models, and a broad range of product development processes.

Joyce has 15 years of experience in the design, implementation, and management of leading-edge software systems at Texas Instruments. She was an early proponent and champion for evolving TI's software development and project management processes, based on SEI maturity models.

Thomas, Gary
Engineering Fellow
Raytheon Intelligence and Information Systems
1200 S. Jupiter Road
Garland, Texas 75042
972-205-4353
Gary_D_Thomas@Raytheon.com

Gary serves on the staff to the Director of the Garland Software Engineering organization. Gary currently supports a number of software and engineering-wide initiatives related to software and systems engineering cost estimation, metrics, and process improvement at Garland. He has also supported related initiatives at various levels of the Raytheon Company. Gary has served as the Industrial Affiliate POC to the USC Center for Software Engineering since 1995. Since that time, he has provided active support for the development of the both the COCOMO II and COSYSMO parametric cost models. Growing up in northern Missouri, Gary received his Bachelor of Science in Education in 1964 from the University of Missouri at Columbia. Soon after graduation, he attended graduate school and briefly taught math and science in the Moberly, Missouri school system. Gary was employed at the Bell Telephone Laboratories from 1965 to 1976 at locations in New Jersey and Illinois. He earned a Master of Science in Information Science from the University of Chicago in 1970. During this much of this time Gary was involved in the development and support of large, complex telephone switching systems. Gary also served in the US Army from 1966 to 1968 as a computer programmer in the Southern Command's finance organization in the Panama Canal Zone. Gary has been employed by E-Systems/Raytheon from 1976 to the present time. He has been a software developer and project leader prior to his current software staff position and all of his tenure has been at the Garland site. Gary and his wife, Judy, live in Richardson, Texas and have two daughters and three grandchildren.

Valerdi, Ricardo
Research Assistant at USC's Center for Software Engineering

Ricardo is a Research Assistant at the Center for Software Engineering and a PhD candidate at the University of Southern California in the Industrial and Systems Engineering department. His research is focused on the cost modeling of systems engineering work. While completing a Masters degree in Systems Architecting & Engineering at USC he collaborated in the creation of COSYSMO (Constructive Systems Engineering Model). He earned his bachelor's degree in Electrical Engineering from the University of San Diego. Ricardo is currently a Member of the Technical Staff at the Aerospace Corporation in the Economic & Market Analysis Center. Previously, Ricardo worked as a Systems Engineer at Motorola and at General Instrument Corporation.

Wheaton, Marilee J.
General Manager
The Aerospace Corporation
2350 E. El Segundo Blvd.
El Segundo, CA 90245
Phone: 310-336-1220
marilee.wheaton@aero.org

Marilee J. Wheaton is currently the General Manager of the Computer Systems Division at the Aerospace Corporation, where she provides leadership in the areas of computer science and technology, computer systems engineering, and software engineering and acquisition. Prior to rejoining Aerospace in 2002, Marilee was a Director at TRW Systems (now Northrop Grumman Mission Systems) providing leadership for cost estimation, metrics, and quantitative management goals. She is a trained CMMI appraiser, and also led process improvements as a Six Sigma Black Belt.

Marilee is an Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA) and a member of the AIAA Technical Committee on Economics. She is also a Fellow and Life Member of the Society of Women Engineers. Marilee has a B.A. magna cum laude in Mathematics from California Lutheran University and an M.S. in Systems Engineering from the University of Southern California (USC). She is a graduate of the UCLA Executive Program in Management. Marilee serves as an instructor for The Aerospace Institute and at USC.