

Enterprise SPICE Advisory Board

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William J. Bradford

William Bradford started his career in the aviation industry in 1968 and attained supervisory positions twice, once in line operations and once as a Budget & Cost Analyst. Subsequently he joined Aeronautical Radio, Inc. (ARINC) and worked as a Financial Analyst and an Engineering Administrator, and later joined Martin Marietta (now Lockheed Martin) as a Financial Administrator.

In 1981 William joined the Federal Aviation Administration (FAA) where he held a variety of positions, each with a distinctly different impact on the agency's success. He has successfully held primary positions as a Business Manager, Deputy Program Manager, Team Lead of the Integrated Product Development System (a cross Line of Business, change management initiative), Manager of Partnership Management, Deputy Lead of a joint NASA-FAA Integrated Product Team for Weather Research, and the Division Manager for Strategic Planning and Organizational Performance for the Air Traffic Organization's En Route & Oceanic Service Unit (AJE).

William's significant achievements include leading an agency-wide change management initiative to establish cross-functional teams within the Federal Aviation Administration, co-authored two papers on establishing a team-based operating environment, serving as a co-author of the initial effort to develop and produce an Integrated Product Development Capability Maturity Model (IPD-CMM), serving as a co-author of the FAA's iCMM, Version 2.0 and serving as a co-author of Enterprise SPICE PRM and PAM.

Education and Professional Qualifications

- PhD, Public Policy, University of Maryland, Baltimore County (UMBC) – anticipated in 2011.
- Master of Arts, Historical Studies, UMBC – 1991
- Bachelor of Arts, History, George Mason University – 1978
- Associate of Science, Business Administration, Northern Virginia Community College – 1975

Francois Coallier

François Coallier is chair the Department of Software and IT engineering at the École de technologie supérieure (ÉTS), one of Canada's leading engineering school, affiliated to the Université du Québec network.

Francois has 22 years of industrial experience in one of Canada's largest companies, where he held various engineering and managerial positions in engineering, quality engineering, IT procurement, IT infrastructure deployment and operation and IT Enterprise Architecture Management.

Francois Coallier has extensive industrial experience in many areas of enterprise IT as well as in software engineering. He has been involved in the development of standards in software, systems and IT engineering and management since 1984.

Francois has been continuously involved in software and systems engineering standards development since 1984, being the international Chairman of the Joint ISO and IEC subcommittee responsible for the elaboration of Software and Systems Engineering Standards (ISO/IEC JTC1/SC7) since 1997. He was also the convener of the ISO/IEC JTC 1 Special Working Group for Technology Watch on international IT standardization from 2002 to 2007.

Francois's first experience in the development and industrial application of process capability models was in 1991 with the initial release of the first Trillium capstone model. Trillium integrated in a semi-continuous telecommunications systems engineering model the SW/CMM, ISO 90001, some IEEE software engineering standards and some Bellcore standards.

Francois's second experience came with the development in 2006 of the eiT-CM model that integrate in a ISO/IEC 15504 compatible way the CMMI, ITIL, the TOGAF and other standards to cover the entire field of enterprise IT.

Education and Professional Qualifications

- B.Sc. in Biology from McGill University,
- B. Eng. in Engineering Physics
- M.A.Sc. and Ph.D. in Electrical Engineering from Montréal's École Polytechnique
- Fellow of the American Association for the Advancement of Science (AAAS)
- Senior Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Senior Member of the American Society for Quality (ASQ)
- Golden Core Member of the IEEE Computer Society.

Wolfgang Daschner

Wolfgang Daschner's professional career started as a research engineer in Finite Element applications of helicopter, aeroplane, aerospace divisions at MBB, then as a Software Engineer and Software Project Manager of application development projects in the field of Interactive Graphics at MBB (now EADS).

Since then, Wolfgang has held several management positions ranging from "Basic Software Engineering" Dept Manager, „Methods & Tools“ Dept Manager to „Quality Manager“ at the GIS supplier SysScan.

Then he worked as a consultant in the field of Project Management and Quality Management at Digital Equipment (received DEC's Excellence Award).

Since 1996, Wolfgang is the CEO and Senior Consultant of TIPconsulting in Germany. In this time he has got extensive experience with conducting audits and assessments and consulting in process improvement models (15504, SW-CMM, CMMI, TPI).

Education and Professional Qualifications

- Diploma in Mathematics / Computer science (Informatik), at the Technical University, Munich, Germany;
- ISO 9000 management system auditor for TÜV Cert;
- Certified Principal Lead Assessor ISO15504+AutomotiveSPiCE, CMMi Appraiser;
- Relationships to IEEE and ISO standardization working groups.

Alec Dorling

Alec Dorling is the international ISO convener of the 15504 Process Assessment standardization project. He is a chartered engineer with over 30 years experience in the software industry from a background of both real-time and commercial systems environments. He is an internationally recognized expert in the field of Quality Management and Process Assessment and is a regularly invited speaker and keynote presenter at seminars and conferences around the world. He is the coordinator of the Automotive SPICE initiative with the leading European car OEMs.

Alec Dorling has held key positions at both national and European levels that include posts at the Centre for Software Engineering in Sweden, the IT Research and Technology Transfer in Sweden, the European Software Institute in Spain the National Computing Centre in the UK.

Alec has been involved in with most of the UK Government's initiatives in software engineering and software quality including the STARTS programme, the Software Tools Demonstration Centre, the Software Engineering Solutions programme, the Quality Management Library, TickIT and SPICE. He has also been consultant to the Software Quality Unit of the UK Department of Trade and Industry providing advice on priorities for government action on Software Quality, Standards and Certification.

Education and Professional Qualifications

- BSc Computer Science
- CEng Certified Engineer
- CISP Certified Information Systems Professional
- Member of BCS, IEE and ASQ
- Certified Principal Lead Assessor ISO15504+AutomotiveSPiCE,
- Convener ISO working group on Process Assessment

Victoria A. Hailey

Victoria Hailey is currently working with a number of large clients to implement an enterprise-wide integrated management system using 15504 as a measurement framework. Victoria has extensive experience with authoring standards and consulting in process improvement models (15504, CMMI, ISO 9004, ISO 9001) and conducting audits and assessments on a regular basis.

Victoria is a recognized authority and frequent presenter, lecturer, and panel member at numerous forums and symposiums on ISO 9001, Best Practices Process Improvement and Audit, Information Technology, and Quality Management, including ASQ Quality Forums, CIDA, COMDEX, Client/Server World, Canadian Information Processing Society CIPS.

Education and Professional Qualifications

- Certified Management Consultant (CMC)
- SPICE Lead Assessor (ISO/IEC 15504)
- Software Capability Evaluator (SEI-CMM SCE)
- ISO 9001 Quality Management Systems Lead Auditor
- TL 9000 Telecommunications Lead Auditor
- ISO/IEC 27001 Information Security Lead Auditor
- BS 25999 Business Continuity Management Instructor
- ISO/IEC 20000 Service Management Instructor

Linda Ibrahim

Linda Ibrahim is a Chief Engineer at the Federal Aviation Administration (FAA) and is currently working as a Fellow in the Office of the Chief Information Officer of the US Department of Transportation. Linda led the development of the FAA's integrated Capability Maturity Model (iCMM), its extensions, and its appraisal method. She is the International Project Leader for the Enterprise SPICE (ISO/IEC 15504) initiative.

Prior to joining FAA in 1996, Linda has worked in software engineering and process improvement management, practice, education, research, and consultancy at: US: Software Engineering Institute (SEI) of Carnegie Mellon University, University of Hawaii, IBM, Westinghouse; Kuwait: Kuwait Institute for Scientific Research, Kuwait University; England: Rand Information Systems Ltd, University of Reading; Qatar: Qatar Petroleum, Qatar University.

Linda regularly addresses international, national, and local conferences/ events to further the cause of integrated process improvement including: keynotes at major events in Australia, Brazil, Spain, Portugal, France, Germany, and US; presentations at major events in the US, UK, France, Luxembourg, and Canada; community addresses at several SPINS, INCOSE local chapter, and others. Linda has published ~100 articles, papers, presentations, reports.

Linda has received several awards including: US Department of Transportation: Meritorious Achievement Award for innovation in integrating capability maturity models; US Chief Information Officers Council: for Exemplary work on behalf of Best Practices Committee; several FAA Excellence and Special Achievement Awards for process improvement; SEI Customer Satisfaction Award.

Linda is included in various listings including Who's Who in America and The World Who's Who of Women.

Education and Professional Qualifications

- BA in Mathematics from Duke University,
- MS in Information Science from University of Hawaii
- Ph.D. in Electrical Engineering from University of Hawaii.
- Member of INCOSE Technical Standards Committee, IEEE, ACM, and SPICE Users Group.
- Founding member of the SPICE Academy
- Member of CMMI Steering Group for 8 years
- Co-Chair of the cross-government Enterprise Process Improvement Community of Practice (EPIC);

Fred Kaminski

Fred Kaminski has worked as a principal consultant for several companies in Germany and Asia. He is a Consultant and trainer for implementing Process Improvement

Fred has extensive experience in advising enterprise companies. He has more than 15 Years Experience in Quality Management Systems and more than 10 years experience in Software Quality Systems.

Fred was one of the first Bootstrap Assessors in Germany and performed more than 50 external Assessments and Audits in different companies in the whole world. Including China and Taiwan.

Fred is an ISO 15504 Principal Spice Assessor, Automotive SPICE Principal Expert and on the Way to CMMi Lead Appraisal. He is also a CMMI instructor and a Contract Teacher for Quality Management at Beuth University Berlin

Education and Professional Qualifications

- Diploma in Mechanical Engineering with special focus on Quality management and process optimization, at Beuth University Berlin, Germany;
- ISO 9000:2005 accredited External Lead auditor for certifications,
- Certified Principal Lead Assessor ISO15504+AutomotiveSPiCE (INTACS, VDAQMC)

WINIFRED MENEZES

Winifred Menezes has more than 30 years of experience in developing and maintaining software products as well as in managing projects. Winifred started her career in the software industry at ASEA (now ABB). She worked for many years as a consultant with Cap Gemini in Sweden. As a consultant her she had varied assignments including training on various topics, systems analysis, design and development of software and project management. In the late 1980s, Winifred grew interested in software development methods, which ultimately lead to working with process improvement models like SW-CMM. Winifred led a process improvement program for ABB Sweden in the 1990s. In 1997 she moved to USA and began working as a process improvement consultant for Q-Labs Inc. (now DNV).

Winifred has extensive experience in process improvement based on models like the CMM[®] for software and the CMMIsm and is conversant with other models such as SPICE, Automotive SPICE, P-CMM, SA-CMM and the FAA's iCMM.

Winifred is a SEI-Certified SCAMPI A/B/C & High Maturity Lead Appraiser, Instructor for "Intro to CMMI-Dev/ACQ/SVC". She has performed over 30 CMM assessments as well as CMMI SCAMPI and class A, B and C appraisals. She has published articles and presentations at many conferences both in the USA and Europe.

Winifred has been active on the Enterprise SPICE Advisory Board since its inception in 2007.

Education and Professional Qualifications

- M.Sc. in Mathematics from the University of Islamabad
- "Fil Kand" in Computer Sciences from the University of Uppsala.
- Six Sigma black belt
- Numerous courses in software development and process improvement topics

[®] CMM is registered at the U.S. Patent and Trademark Office
sm CMMI is a service mark of Carnegie Mellon University

Antanas Mitasiunas

Antanas Mitasiunas is Assoc. prof. of Computer Science Department at Vilnius University. Antanas is the initiator of the establishment of Software Engineering bachelor study program in 2002 and Software Engineering master study program in 2006 at Vilnius University.

Antanas is Managing director of MitSoft Ltd, Software development and consulting company since 1991. He has been project manager of about hundred software development and consulting projects and Team leader for development of feasibility studies and investments projects in electronic infrastructure and electronic services area.

Antanas has experience in the software process and SPICE area since 1995 starting with EU funded project SQUARE – Software Quality Assessment and REcommendations.

Education and Professional Qualifications

- PhD from Moscow University on theoretical issues of optimizing compilers
- President of the association “National Software and Services Cluster” joining Lithuanian universities and leading IT companies since 2006

Clenio Salviano

Clenio F. Salviano works at CTI (*Centro de Tecnologia da Informação Renato Archer*) (www.cti.gov.br) since 1984 in Brazil and teaches Software Process Improvement (SPI) courses at industry and academia. At CTI, he coordinates a SPI Research, Development and Innovation technical group.

Clenio has helped more than 80 organizations to perform SPI programs using elements from one or more Process Capability Models, such as, for example, the SW-CMM, ISO/IEC 15504-5 (SPICE), CMMI-DEV, CMMI-SVC and MPS.BR.

He has published and presented more than 60 articles and tutorials in relevant conferences worldwide. He received his PhD at Unicamp in 2006 proposing PRO2PI Methodology (**Pro**cess Capability **Pro**file *to* drive **Pro**cess **I**mprovement) as an evolution of current SPI.

Clenio's current research interest is related with the evolution of the current successful SPI towards providing better methodological support to expand the domain to knowledge working process, to use elements of multiples models and to be more integrated with different business strategies.

Education and Professional Qualifications

- BA in Computer Science from Federal University of Minas Gerais (UFMG)
- MS in Computer Science from Federal University of Minas Gerais (UFMG),
- Ph.D. in Electrical Engineering from State University of Campinas (Unicamp).
- Member of SPICE Users Group
- Member of ISO/IEC JTC1 SC7 WG10 Team
- Founding member of the SPICE Academy
- CMMI-Certified SCAMPI A/B/C Lead Appraiser

Robert Vickroy

Robert's background in ISO/IEC15504 is originally as the IBM and later ABS representative to the ANSI SC7 TAG WG10 working group that created the original SPICE product from 1993-2000. He later completed the current ISO/IEC15504/SPICE Lead Appraiser training in 2008. Certifications also held by Robert include ISC2 and CISA IT security auditors, and ISO28000 Port Security Lead Auditor.

Robert is currently a SEI certified SEI CMMI Lead Appraiser and Instructor for CMMI Development and Service, an approved FAA iCMM Lead Appraiser, an ANSI CB Assessor of Calibration Certification Bodies, a RAB certified ISO9001 Lead Auditor for ABS Quality Evaluations since 1993, and a certified TickIT Auditor since 1994 currently working for MSC. He is also a certified ASQ Quality Auditor and an approved US Green Building Council LEED Reviewer of green building projects.

Bob also consults on implementing quality and management systems for ABS Consulting and worked for Geologics for 2 years consulting with United Space Alliance Space Shuttle Software and worked for Jacobs Engineering as a quality auditor on the Johnson Space Center contract managing the Johnson Space Center .

Robert's background also includes being a U.S. Navy Nuclear Reactor Operator, acted as QA for the refuelling of the U.S.S. Enterprise and later completed the NQA-1 Nuclear Auditor examination. Additionally he worked 25 years in IBM as an IT Center Manager, programmer, Software Development Manager and Functional Planning Manager for an IBM Software product function. Other practical experiences include implementing, and achieving certifications, for ISO9001 in IBM and later in ABS, and implementing ISO14001 in ABS. He also performed as the ABS Americas Presidents Divisional Quality Coordinator for 7 years, managing quality in 40 offices to maintain ISO9001, ISO14001 and IACS certifications for engineering and survey work for marine vessels and off-shore facilities.

In addition to the over 300 ISO9001 and 14001 audits in numerous industries performed by Robert he has also performed audits as a certified QS9001 (automotive) and TS9001 (Telecommunications) auditor and is working on his AS9100 (Aerospace) certification.

Formal Education

- MS -Business/Economics, University of Northern Colorado, 1982
- BS - Computer Science, Chapman University, 1995
- BS - Business/Economics, Marymount College, 1978
- BS - Business/Economics, Marymount College, 1978

Ernest Wallmüller

Ernest started his career 1981 as developer and researcher for software engineering at J. Kepler University, Linz, Austria and later at the Swiss Federal Institute of Technology (ETH) Zurich, Switzerland. 1987 he joined SBG in Zurich as manager of software engineering and quality assurance. Subsequently, he worked as senior consultant at ATAG Ernst & Young in Switzerland, Austria, Germany and UK and as principal, process coach and manager of project quality office and quality systems of Unisys (Switzerland) AG.

In September 1997 Ernest founded Qualität & Informatik, Zurich (www.itq.ch) and since then he has been working there as CEO and senior consultant.

In Europe and especially in the German speaking countries he is a recognized expert in the field of quality and risk management and process assessment. Ernest published several books, articles and reports on CMMI, ISO 15504, SPI, risk management, software quality management and quality assurance. He is a regularly invited speaker and keynote presenter at seminars and conferences around Europe.

Education and Professional Qualifications

- Thesis in computer science (Informatik), from the J. Kepler University, Linz, Austria
- Habilitation in business information system, author of several books
- Lecturer at the Swiss Federal Institution of Technology, University Zurich, Linz and Salzburg
- CMMI Appraiser (in Education), Baldrige/EFQM Assessor, ISO 15504 and Automotive
- SPICE Principal Assessor,
- Membership in the IEEE, ACM, GI, SwissICT, and Software Quality Austria.