CMTrends

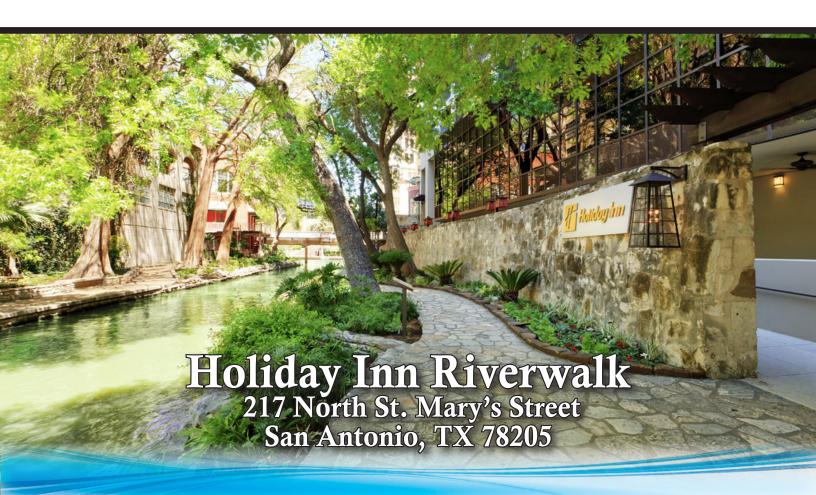## 2016 S.W.A.T.

Seminars, Workshops, And Training

SPEAKERS & PRESENTATIONS
San Antonio, Texas
August 29 - 31, 2016

Holiday Inn Riverwalk
217 North St. Mary's Street
San Antonio, TX 78205

Peter A. Bilello, CIMdata Inc.

Peter Bilello, President of the strategic management consulting and research firm CIMdata—an internationally recognized authority on Product Lifecycle Management (PLM)—has more than 25 years of experience in the development of business-enabling information technology (IT) solutions for research, engineering, and manufacturing organizations worldwide. He has participated in PLM analysis, selection, implementation, and training; CAD/CAM/CAE/CIM implementation and management; synchronous and lean manufacturing consulting; software engineering; and general data management strategy development and support. He has authored numerous papers and research reports on PLM and related topics, and his articles, commentaries, and perspectives have appeared in publications throughout the United States, Europe, and Asia.

Mr. Bilello has been directly involved with consultation on the selection, integration, and implementation of large-scale PLM solutions. He has spoken on a number of different PLM-related topics in Europe, North and South America, the Middle East, Africa, and Asia.

Mr. Bilello holds a Bachelor of Science degree in Computer Science with a minor in Physics from the California State University, Fullerton, and a Master of Science in Engineering degree, in Manufacturing Systems Engineering, from The University of Michigan.

"Systems Ideation, Materials Engineering & Configuration Management"

Today, when most products are conceived, the ideas rely on well-known materials and mechanisms. What if you can define (i.e., engineer) the material to satisfy a range or new requirements? While we have experience in plastics, ceramics, and composites, advances in materials engineering is changing everything. This presentation will describe this major industry development, and what this means to today's and tomorrow's CM practitioners.

Mike Bostelman, Cummins Inc.

Mike Bostelman is the manager of Configuration Management and Design Integration (CM/DI) for high horsepower engines worldwide at Cummins Inc. He is recognized as a leading CM/DI expert, not only in high horsepower, but throughout Cummins global engine business units. Mike has 25 years in product configuration management and product definition experience at Cummins and has taken products from concept to manufacturing. Throughout his tenure at Cummins, he has garnered vast experience in marketing and service which have provided great insight for continued process improvement efforts for CM/DI. He started his career in product design; it was during those 10 years in design he realized his passion for product configuration management. With that passion, Mike has developed product definition and configuration management processes, procedures, and systems for a number of Cummins engine joint ventures around the globe. Mike holds a Mechanical Engineering degree from the University of Toledo and is CMII certified.

Mike has had opportunity to travel globally for Cummins and lived in the United Kingdom for several years. During Mike's time in England, he developed a love for steam traction engines.

"An Application of Configuration Management for New Product Introduction"

New product introduction is a way of life at Cummins. Cummins introduces 50-80 new products every year. Some of those products taking 3-5 years to develop. This talk will focus on one technique that Cummins using to track progress of each of these programs at the part number level, to insure that engineering is working on the right things. This technique has help Cummins collaborate worldwide across engineering, purchasing, manufacturing and marketing. Believe it or not, it can all be done WITHOUT an excel spreadsheet

Daniel Christensen, NAVAIR

Daniel K. Christensen is the Configuration and Data Manager, defining policy, processes, procedures and responsibilities governing Configuration Management (CM) for 34 naval weapon system program offices within the Naval Air Systems Command (NAVAIR). He has over 43 years of naval experience with 20 years in the U.S. Navy, retiring as an Aviation Maintenance Duty Officer. For the last three years Daniel has been the Defense Standardization Counsel Configuration Management Working Group (DSC CMSWG) Chairman, which has developed the EIA-649-1 "Configuration Management Requirements for Defense Contracts" standard.

Daniel has a CMPIC Masters Certification of Enterprise CM and CM Subject Matter Expert from the University of Houston, TX. Additionally, Daniel is a certified Enterprise CM Professional and a member of the International Society of CM and is a certified CMII Professional from the Institute of Configuration Management, National American University. He is also a certified Configuration and Data Manager from National Defense Industrial Association (NDIA), and a graduate of the Defense Systems Management College Level III Advanced Program Management, Logistics and Information Resources Management curriculum.

Daniel is the government liaison to the SAE International G33 Configuration Management committee, a member of the team for ANSI/EIA-649B, "Configuration Management Standard", and the government liaison to the NDIA Technical Information Division committee and is a 2012 recipient of the TechAmerica Associate Technical Fellowship award.

Daniel has a BS in Marketing from Oklahoma City University, Oklahoma city, OK, and an MBA in Entrepreneurial Management from National University, San Diego, CA. He lives in California, MD, is married to Yolanda P. Christensen.

"So You Don't Want CM"

There are people who say they don't want CM and think CM is unnecessary. Some of them think CM is a person, or a department whose sole job is to slow things down. Some think CM is an alien conspiracy meant to hinder the technological growth of the planet Earth. This presentation offers a reverse physiological concept of CM processes, and the lessons learned why there is a need for CM.

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Steve Easterbrook, CMPIC

Steven Easterbrook is the president and lead instructor of CMPIC LLC. He has over 12 years experience as a CM manager in both government and commercial organizations, and over 20 years experience as an instructor/consultant in configuration management. He has received incredibly high reviews and recommendations.

Steve has conducted assessments for both government and commercial organizations, one of which being NASA's international space station program. He has presented at various CM & related conferences, sometimes as keynote speaker, and has had the honor of being selected to speak to the FAA as part of FAA's Distinguished Lecturer series.

Steve has a BS from Cornell University and an MBA in Management from Bryant University. He is CMPIC Certified, CMII Certified, and a member of ACDM, NDIA, and ASQ.

"CM Overview and CM Requirements"

This presentation we provide an overview of CM processes, and why CM must be considered an essential component of running a business/organization.

Marc Lind, Aras

Marc Lind is a Sr. Vice President at Aras Corporation with over 17 years in configuration management, product development, manufacturing, and supply chain operations. At Aras Mr. Lind is responsible for the enterprise-wide CM strategy, global marketing and strategic alliances along with corporate responsibilities. Prior to joining Aras, Mr. Lind was an executive with PartsDriver, an automotive industry supply chain provider for inventory reduction and forecast improvement. Previously at Analog Devices, a leading global provider of semiconductors and electronics, he was responsible for configuration & data management and quality systems. Earlier in his career, Mr. Lind was a consultant on the Toyota Production System, Lean methodologies, and quality standards. Mr. Lind holds a BBA in Operations Management from the University of Massachusetts at Amherst Massachusetts, is a member of APICS, AME and the PDMA, and is a frequent presenter on Configuration Management practices.

"Configuration Management and the Business of Engineering"

In today's product landscape, systems level thinking is a must have capability. Product teams are developing complex next-generation products that look beyond the traditional 3D CAD development process. Product development has gone full scope to include Electronics, Software, Packaging, Services, IoT, Cost, Compliance, Variants-Options, etc. You cannot build profitable, well received products without this all-encompassing vision. This is the Business of Engineering.

The Business of Engineering is the key to competitive advantage. Integrating global users in a highly collaborative and process centric virtual environment requires flexibility and the ability to maintain complex configuration information. In this presentation we will illustrate how Configuration Management provides the foundation for a flexible PLM system that enables innovation and connects your enterprise.

Nick Freije, SPAWAR System Center Pacific

Nick Freije attended University of Buffalo where he earned a Bachelor of Science and a Master of Science in Electrical Engineering.

In 2000 Mr. Freije began working for Space and Naval Warfare System Command serving as the Chief Engineer for the Automated Digital Network System. By 2008 he was promoted to the Consolidate Afloat Network and Enterprise Services Technical Director in charge the definition and technical execution of the ~$4B program. In 2010 Mr. Freije transitioned to become the SPAWAR Pacific Networks, Communications and Information LSE. The Department consists of over 800 civilian and military personnel plus associated contractor support personnel executing over $300M annually in research, development, test, and engineering projects in the areas of satellite communications, enterprise and tactical networks, wireless communications, and information assurance solutions for Naval and Joint war fighter customers, the Office of Naval Research and the Defense Advanced Research Projects Agency.

Mr. Freije's personal awards include the Meritorious Unit Accommodation and various Naval Special Act Awards. In 2009 Mr. Freije was awarded the 2009 Top Navy Scientists and Engineers of the Year Award. Mr. Freije's latest award is the DON 2014 Acquisition Workforce Individual Achievement Award for his leadership on the NGEN contract.

"Importance of Managing Configuration Items and Baselines throughout the Project Lifecycle"

Over the last two years, Space and Naval Warfare System Center Pacific (SSC Pacific) has undertaken an initiative to establish an enterprise level Configuration Management (CM) program. We examined the current CM state of the varying programs, and found the need for a standardized, tailorable CM Lifecycle. The key to implementing at SSC Pacific has been to simply start at step one: focusing on defining and selecting Configuration Items and establishing Baselines. We followed with CM training for all project team members. This presentation will focus on the set of CM activities that describe how our projects are managing their Configuration Items and baselines through System Requirements & Design, Development/ Integration & Test, Production & Deployment, Operations & Sustainment, and Closeout.

A. Larry Gurule, i-Infusion / CMPIC

A. Larry Gurule is President of i-infusion, Inc., a CMPIC Associate and an active participant on the SAE G33Committee which is responsible for ANSI/EIA 649, The Standard for Configuration Management and its Handbook. Mr. Gurule has years of hands-on and leadership experience for a successful list of clients he has helped become more operational efficient and effective. Larry has also owned and/or held senior level positions in manufacturing, software and service based businesses. Larry has lectured to and/or consulted with hundreds of individuals from Fortune 500 companies on process improvement and enterprise technology implementation initiatives, as well as taught hundreds the principles of CM. Larry holds a Mechanical Engineering degree from the University of Colorado and is a CMPIC SME and CMII Certified Professional.

"Relieving the Burden of CM"

As a CM'er you may have felt the angst of others when you approach; their whispering that the "accountability police" are here. If Configuration Management is so great and can truly deliver the speed, agility, quality and consistency, why is CM so frowned upon and misunderstood? This presentation will provide some common sense ways to reduce the burden of CM in your organization and help those involved with CM become an invaluable part of their enterprise.

Mitch Kaarlela, Lockheed Martin

Mitch Kaarlela is a 33 year employee with Lockheed Martin Aeronautics (heritage General Dynamics & Lockheed). He has Configuration Management and Contracts experience on several major domestic and international military aircraft programs. Mr. Kaarlela is a LM Corporate resource for programs needing specialized Configuration Management trouble-shooting and assistance. He presently provides Systems Engineering/Configuration Management expertise to the F-35 program and coaches others regarding CM within LM Aero. Mr. Kaarlela holds a Bachelor's Degree from the University of Texas and a Master's Degree from Texas Christian University. He is an Industry CM Technical Fellow, and is a Vice-Chair with SAE's Systems, Standards and Technology Council (SSTC). Mr. Kaarlela is a member of the prime authoring team for EIA-649, the US Industry Standard for Configuration Management, and presently holds a CMPIC Masters certification. He is passionate about CM! Mr. Kaarlela is married and has three children.

"Balancing Configuration Management: Example of Responsive CM in a Lab Environment"

This presentation will delve into what is required to effectively "balance" the implementation of CM, using a Lab Environment example. Discussion is provided regarding the inherent tension between absolute & strict control with the need for design agility. These are competing goals and thoughtfully managing the tension between them is a skill that every CM practitioner needs to know. The Lab Environment was selected for its ever pressing need to conjure up new design ideas and the downstream need to be agile enough to implement them in a timely manner. If a CM solution can fit a Lab, then it has a good chance of working for a program, which typically has more institutional controls already built-in. A fictional challenge is followed as it would be processed through the Lab Environment. Attendees will come away with some solid CM ideas on how to make a challenging environment more "CM Friendly" in a balanced way that our organizations can thrive within.

Alan Kiraly, Bentley Systems Inc.

Alan Kiraly is Senior Vice President of Asset Performance at Bentley Systems, Incorporated. Alan Kiraly currently oversees Bentley Systems' Asset Performance business which includes offerings that support operational business processes for infrastructure assets based on Bentley's AssetWise technology.

Mr. Kiraly has been actively involved in engineering and operational information management his entire career. He has held a variety of executive management positions in product marketing, development, and project services for leading companies in the software industry. He has also played a key role in several startup enterprises. As CEO of Enterprise Informatics, Mr. Kiraly joined Bentley with Bentley's acquisition of his company's eB Insight technology which now forms the foundation of Bentley's information management servers.

Mr. Kiraly speaks regularly at industry conferences on the merits of using configuration and information management best practices to achieve operational excellence. He earned a BS degree in Mechanical Engineering from Michigan State University in 1983 and a MS in Solid Mechanics from the University of Dayton in 1986. Mr. Kiraly and his family reside in San Diego, CA.

"What is BIM and Why do CM Professionals Need to Care About it?"

Building Information Modelling and Management (BIM) is a hot topic of conversation these days across a wide range of industries including road and rail. This presentation will discuss what BIM is and how it aligns with CM. Discover if BIM something you need to learn more about or maybe you're a BIM expert and you don't even know it!

Jennifer Lewin, Elbit Systems of

Jennifer Lewin, Senior Configuration Analyst, former teacher with 9 years Configuration Management experience at Elbit Systems of America. Received Bachelor of Science Degree from Fitchburg State University in Massachusetts.

"CM and Lean Management: Doing the Job of 5 People with Just 2"

Discuss Elbit Systems of America (products, company size, etc.).
Explain how to work in an environment with no direct supervisor and only one other person and still maintain configuration on 18 programs.
Discuss how I ended up in the situation.
Learning how to adapt.
Learning how to communicate and to reach outside my comfort zone.
How to communicate with management when it's outside your four walls.
Different techniques I learned from others or created myself in order to keep things going.
Current status of situation.

Daniel McCurry, Boeing Commercial Airplanes

Dan has over 30 years of experience with military and commercial programs in the fields of Configuration and Data Management, first with Hughes and McDonnell Douglas Helicopters and, since 1989, at Boeing Commercial Airplanes for Configuration Management, Audits, and Regulatory Compliance for Systems Engineering and Change Management.

His contributions to these disciplines encompass his active participation in the National Defense Industrial Association, Technical Information Division, Executive Board since 1996. Daniel has served as Chairman from 1998-2010, and is now Chair Emeritus. He has presided as CM Chairman of the Association of Configuration and Data Managers from June 2001-2010. He served as the Vice-Chair of the Government Electronics & Information Technology Association, G-33 committee for the 2000/01 and served as the Chairman September from 2001-2003. He was a member on six ASME Y14 Engineering Drawings Practices Committees from 1999-2009. Dan is currently Vice-Chairman for the SAE Systems Standards and Technology Council.

Dan has received Distinguished Contribution Awards that include the GEIA President's Award for Leadership, NDIA Stern's Award for Technical Excellence, and NDIA Gold Medal for Exceptional Leadership Award. He has received a Technical Fellowship in Configuration Management from GEIA/TechAmerica.

WORKSHOP: "Configuration Management Terminology"

This workshop will address CM related terms that have different meanings depending on the CM Professional you talk and/or the CM environment you work in.

During this workshop we will discuss these differences and attempt to reach a concensus on whether or not these CM terms and respective definitions should be standardized across industry and in industry standards.

Tina O'Dell, Cummins Inc.

Tina O'Dell is a 13 year veteran of the United States Marine Corps. During her service in the United States Marine Corps, Ms. O'Dell was responsible for managing Marines and maintaining the United States Presidential Helicopter fleet. Following her service in the United States Marine Corps, she has supported several United States Department of Defense Acquisition Programs as a Senior Systems Engineer. Ms. O'Dell's responsibilities have included Test & Evaluation, Requirements Management, International Program Management, and Configuration Management. Her recent move to Cummins Inc. as a Configuration Manager in the High Horse Power Division has provided new challenges and ample learning opportunities for Ms. O'Dell in the areas of Design Integration and Configuration Management.

Ms. O'Dell has completed her certifications as a CMPIC Certified CM Professional and CM Assessor from CMPIC and the University of Houston.

"What Came Through?"

Ms. O'Dell will present a retrospective on the effects of critical illness on leadership. She will discuss the impact it has had upon her relationships at work, the transitions from extended absence to regaining leadership position, and the grace that was provided by insightful leaders.

Michael Treadwell, Northrop Grumman Mission Systems

Mr. Treadwell is currently a Fellow Engineer in Configuration and Data Management at Northrop Grumman Mission Systems in Baltimore, Maryland. He has practiced the art and science of Configuration Management over the last thirty years from the role of acquirer (Naval Sea Systems Command and U.S. Postal Service) as well as supplier (Lockheed Martin, Motorola, Northrop Grumman). The Configuration Items (CIs) that he has managed span from Inner Space (Submarine Combat Systems) to Outer Space (satellites and space sensors) and a lot in between.

Mr. Treadwell holds Configuration Management certifications from NDIA as well as CMII.

Mr. Treadwell currently serves as Chair of SAE International G-33 Committee on Configuration Management, after serving on the G-33 Committee for the last ten years.

Mr. Treadwell is a graduate of the U.S. Naval Academy Prep School, attended the U.S. Naval Academy, has been awarded the following academic degrees: Bachelor of Arts in Geography and Earth Science– Towson State University; Master of Science in Management (MSM) -Regis University; Graduate Certificate in Systems Engineering - University of Maryland, Baltimore County (UMBC).

Mr. Treadwell is a proud veteran who retired as a Senior Chief Surface Sonar Technician from the U.S. Navy after 28 years of service.

"Why is Your Windshield Bigger than Your Rear View Mirror?""

This parable to serve as a model to discuss the changes that have occurred in CM and the contracting environment over the last 30 years of my CM career and well as predict what challenges and excitement lies ahead. The more things change, the more they stay the same. This presentation will examine the Past (Rear View Mirror) - Defense & Aerospace centric, Strict control by Acquirers – MIL-STDs, Prescribed formats of data – prescriptive DIDs, Drawing Centric (2D – hard copy) - Technical Data Packages (TDPs); and the Future (Windshield) - Service Industries – banking, insurance, medical devices becoming more engaged, More government adaptions of Commercial Standards, Contractor Format – guidelines, Best Practices "modified" Acquisition Reform, Model Based Definition (3D model, soft copy) - Technical Data Packages (TDPs).

Jeff Windham, US Army

Jeff Windham has over 30 years' experience as a systems engineer and configuration manager for the US Army, Armament Research Development and Engineering Center (ARDEC) at Rock Island Arsenal, Illinois. He is currently the chief of the Small Caliber Systems Configuration Management Branch. He has a Master's Certification in Enterprise Configuration Management from CMPIC, is NDIA certified in Configuration and Data Management and teaches configuration management throughout the Army. He holds a BS in Aerospace Engineering from Mississippi State University and an MS in Business Administration from East Texas State University.

"Configuration Management Professionals: Crimes and Misdemeanors"

As configuration management professionals, our goal is to improve configuration management practices across the full spectrum of our organizations. However, often in our day to day practices we do things, thru omission or commission, that are at cross purposes to this end. For sake of this brief, we will call these configuration management crimes and misdemeanors. During these brief we will discuss these crimes, why they occur, and ways to avoid them.

Susana Young, Toro Company

Susana Young is the Product Data Management (PDM) Supervisor for The Toro Company at their Micro Irrigation Business unit. She's currently working with a team of experts from corporate on implementing WindChill/PDMLink as their new Product Life Management tool, as well as a global Engineering Change Management (ECM) process for the unit as part of an initiative to standardize their PLM process. She discovered her passion for PDM after working as Mechanical Designer at KSC Industries (Speaker designer and manufacturer). She improved and wrote document and change control procedures to comply with ISO requirements. Since then, Susana has worked for the last 15 years on implementation and improvement of PLM/PDM processes for organizations in the medical industry, sports industry, and a DOD contractor.

Susana received a Bachelor's degree in Industrial Mechanical Engineering from the Technological Institute of Celaya (ITC) in Mexico before she moved to the United States. She is a CMPIC Certified CM Professional and recently completed training to receive a CM Assessor Certification from CMPIC and the University of Houston.

She currently lives in San Diego, CA with her husband, daughter, and dog Brody.

"Statistical Graphics Avoiding Deceptive Practices"

Statistical data is used on the daily basis to create charts and graphs, to communicate, to analyze performances, and to make important decisions among other things.

This type of data in not only restricted to our working environment. Every day we hear on the news or read on magazines statements backed up by statistical data and graphs.

Have you ever been presented with graphics that do not make any sense or are too good to be true? There are some tips that we as professionals can follow to avoid producing this type of graphics.

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Larry Gurule & Mike Treadwell, G-33 Committee members

"Understanding the Relationship Between G33, SSTC, SAE International, and the SAE EIA-649 CM Standard"

This presentation will provide details on who are the active members of these three groups, what their missions are, what they have done lately, what they are working on currently and why you should be a part of their activities.

"Update on the 649 Standard Re-Write: Vision and Roadmap for 649C and -1A"

At its winter meeting, which was held in Mesa, AZ, SAE International's G-33 Configuration Management Committee gave the go-ahead to initiate a project that will be used to field a new revision of SAE/EIA 649 Configuration Management Standard. This presentation will explain the rationale behind why this standard is being revised and give all in attendance a first glance as to the direction it is heading, as well as how it will affect both government and commercial enterprises. But that's not all; the revision of 649B means the "-1", CM Requirements for Defense Contracting, will also be revised. So don't miss your chance to hear directly from the project sponsors about their vision and need (for your help) for bring both documents to fruition. (A Question and answer period will follow one or both of these presentations time permitting)

"How SAE EIA-649 Rev C will Affect CM"

How 649C will affect all phases of CM execution (Planning, Identification, Change Control, Configuration Status Accounting and Audits).

OPEN FORUM: G33/G47/EIMI/LCLS Needs Your Input + Question & Answer session with G-33 Committee members

Recognizing the depth of knowledge and strength of the individuals in the audeince, especially those who have achieved Masters Certification from CMPIC, these subcommittees of the SSTC would like to discuss with you how collectively or individually they can leverage the power and knowledge of this group. This presentation/discussion will spend time exploring the options.