

CMII 2002

The 15th Annual CMII Conference

As-Held Agenda

Sunday September 22, 2002

3:00pm- 5:00pm Early Registration – Denver Marriott City Center

5:00pm- 7:00pm Evening Reception Sponsored by HP – Denver Marriott City Center

Monday September 23, 2002

7:00am - 8:30am Registration & Exhibits. Continental Breakfast Sponsored by MERANT

8:30am - 8:40am "Good Morning CMII!" Master of Ceremonies: Mr. Craig Senior, CGI Group

Craig Senior is a CMII graduate now working with the CGI Group (www.cgi.ca) as the Quality Manager of the Government of Canada's Records and Document Information Management System (RDIMS). Before that he operated his own consultancy, worked for the LGS Group, and SHL Systemhouse. Through many roles and many clients, he observes that the real challenges to improvement are rarely technical, but human in nature. He's learned to keep a sense of humour. With that sense of humour, he loves public speaking. He is a member of Toastmasters and a chapter member of the Canadian Association of Professional speakers. He speaks for various groups: young and old, professional and community, businesses and charities. Craig has been the Master of Ceremonies at the CMII Conferences in Montreal, Minneapolis, San Diego and now Denver.

8:40am – 9:30am "CMII Awareness" Presented by: Mr. Ken Black, Institute of Configuration Management

The CMII Awareness session is an overview of how CMII fits into the activity of running a business. For those CM Professionals not familiar with CMII, this overview will aid in understanding a more effective and efficient approach to CM

as practiced by CMII professionals. For those with CMII certification, the overview will provide an update of CMII principles previously learned and is of great value in introducing CMII principles to your management. Ken has over 20 years of experience in management positions in aerospace and computer-oriented firms with an extensive blend of commercial, military, hardware and software programs. He is internationally recognized for his expertise in configuration management. Except for a 2-year absence, Ken has been a CMII instructor since 1985. He holds CMII certification and is listed in the "who's who" of global business leaders.

9:30am - 10:00am "CMII and Business Process Infrastructure" Presented by: Mr. Rick St. Germain, Nouvella Consulting Services

Running a project is never an easy task. It demands careful management of people, processes and information in order to orchestrate a successful outcome. Key to this success is CMII's Business Process Infrastructure. Yet, when you're in the trenches and the heat is on, it can be hard to relate these concepts to your daily work. Rick shows us that important CMII-related lessons can turn up when you least expect....and in the most unlikely places.... Rick has over 30 years of experience in strategic planning and CM process implementation in military aerospace projects and as a senior consultant serving the government sector. He has worked for a major consulting firm in Canada specializing in implementation of CMII-based solutions for the Information Technology sector. He is now managing director of his own consulting company based in Ottawa, Canada. Rick holds a B.Sc. in Chemical Engineering and several military degrees. He received CMII certification in 1998 and is a certified CMII Lead Assessor and Instructor.

10:00am – 10:30am Break in Exhibit Area

10:30am - 11:00am "CMII and Quality Management" Presented by: Mr. Roland Hancock, Rolls-Royce, UK

Most forward thinking businesses are moving to introduce a process based quality system, not least because it becomes an ISO9000 requirement this year. Rolls-Royce chose to take action well before the deadline and at the same time rationalise its multiple quality systems into a single system delivered globally over the company intranet. Requirements to improve the quality system are now generated world-wide and in real time by potentially 46,000 people. CMII has been used to ensure that these changes are all captured and actioned effectively so making the quality system a dynamic and useful tool to lead the business rather than simply police it. Roland Hancock has over thirty years experience at Rolls-Royce in disciplines ranging between engineering, manufacturing, business process improvement and programme management. Roland became a CMII graduate in 1997 and has since employed CM to help manage several successful change programmes, most recently introduction of a corporate and process based quality management system.

11:00am – 11:30pm “Assessing and Implementing SCM” Presented by: Mr. Sean W. Sides, Great-West Life & Annuity Insurance Company

Every organization, every project is unique. This presentation is intended to show the fundamentals of assessing and implementing SCM activities and practices. It will look at ways to review your current SCM environment, suggest improvements, and discuss how to implement them. This presentation will also compare standards such as SEI CMM and CMII along with your own processes to help you come up with an improved direction for executing solid SCM practices. Sean is the Manager of Configuration Management for Great-West Life and Annuity in Denver Colorado where he is responsible for implementing and building SCM policies and practices. Previously, he was an SCM consultant for Princeton Information, an SCM Manager at AT&T Broadband and DUAL, Inc. Sean is certified in CMII, and his CM knowledge comes from over 12 years of technical, engineering and CM management experience, including USAir Force and US Navy flight simulation, digital cable and insurance fields.

11:30am – 12:00pm “Global Integration of IT Through CMII Deployment” Presented by: Mr. Delbert Anderson, Delphi Delco Electronics

As an organization deploys the CMII capability across its global sites, a well conceived Information Technology strategy becomes an enabler to accelerate global linkages and thereby institutionalize "best practices" in the management of all information sets. Delphi is building its Engineering IT structure around CMII principles and this has heightened the need to have a single configuration management methodology across its several divisions and many global sites. This Engineering IT initiative has now pushed the demand for CMII comprehension beyond those assigned to the Configuration Management department and has necessitated the training of executive leadership and middle managers. In addition, an organization needs to maintain consistent CMII training content across all work groups. As system requirements are generated for the IT solution, CMII is the framework for workflows and decisionmaking. A phased approach should be selected that will ascertain the functionality of the IT across all global sites and mitigate any risk. At the end of the IT deployment, a fully CMII compliant IT system will yield budgetary savings and productivity gains. Delbert Anderson is an executive manager for Delphi Automotive Systems within the Configuration Management core group that is responsible for the implementation of global configuration management processes and procedures. Delbert is certified in CMII, holds both a BSME and MBA, and has 30 years of experience in industry via a variety of U.S. and international assignments across engineering, manufacturing, and quality. In his current assignment, Delbert is addressing the host of real and perceived issues that surface when companies design products in one geographical region and subsequently build the designs across various product manufacturing locations around the world. Delbert has a strong appreciation for diversity and the subsequent posture it allows a global

company to hold in optimizing a host of new business processes (e.g., CMII, lean practices, ZERO defects manufacturing, simultaneous management teams, etc.).

12:00pm- 1:00pm Luncheon Sponsored by PTC

1:00pm - 5:00pm Exhibits open all afternoon

1:00pm – 3:45pm Monday Afternoon Flights

Monday Afternoon Flight Schedule

Flight A: Demo of As-Planned and As-Released Baseline plus Changes

1:00 - 1:45pm Eigner

2:00 - 2:45pm Auto-trol Technology

3:00 - 3:45pm PTC

Flight B: Demo of As-Planned and As-Released Baseline plus Changes

1:00 – 1:45pm TeamShare

2:00 - 2:45pm MERANT

3:00 – 3:45pm Agile

Flight C: Ask the Experts and Industry Consortium for CMII

1:00 - 2:15pm Ask any question you want regarding CMII process and enabling tools.

2:30 - 3:45pm Opportunity to join a consortium of companies adopting standardized CMII practices.

Flight D: CMII Implementation

1:00 – 1:45pm “Implementation Issues Resulting from Mergers and Acquisitions” by Mr. Doug Shelburne, Framatome ANP

2:00 - 2:45pm “Implementing CMII One Step at a Time” by Mr. John Gawron, Nonin Medical

3:00 – 3:45pm “Developing the Business Case for CMII Process Improvement”
by Mr. Tad Leach, CSC

Tuesday September 24, 2002

7:00am - 8:00am Registration, Continental Breakfast & Exhibits

8:00am - 8:30am "The State of CMII" Presented by: Mr. Vince Guess, Institute of Configuration Management

In this presentation Vince will discuss the current state of CMII and what we should expect in the future. Vince is the President of ICM and Director of the University sponsored CMII certification program. ICM evolved from an effort led by Vince in 1978 to apply continuous improvement to the CM processes. A proven set of techniques evolved. Enhancements have been continuous. Vince holds BSME and MBA degrees and is the author of "Engineering: The Missing Link In MRP" (1979) and "CMII for Business Process Infrastructure" (2002).

8:30am - 9:00am “Applying CMII principles to a Physical Plant Environment”
Presented by: Mr. Larry Bays, Los Alamos National Laboratory

Think setting up a CMII model at your place of business is difficult? Try it at a national R&D laboratory that contains over 1,800 building owned by sixteen different organizations scattered over 43 square miles. It's a difficult, slow process but an essential one if the organization is serious about establishing and maintaining safe facility operating envelopes. Larry has almost thirty years of experience working at Department of Energy research and development laboratories. His duties have encompassed the operations of an experimental lab responsible for the magnetic transportation of a high energy proton beam; computer research and development of data acquisition systems; and financial responsibility for over \$70M of operations, construction, modifications and maintenance of a DOE multi discipline laboratory. He has recently served as a program manager for In-house Energy Management and is currently responsible for the Institutional Configuration Management program at Los Alamos National Laboratory.

9:00am - 9:30am “Physical Item Hierarchy: An Information Model?” Presented by: Mr. Stefan Schaefer, CMIIC, PMP

The task of data/information modeling at CargoLifter came up in late 2000, when we defined the configuration identification in close relation with the use of a product data management tool. There were a lot of different views such as documentation oriented, bill of material oriented, Assembly oriented, Functional oriented etc., and the physical item hierarchy as per CMII. The question I would

like to answer is whether this model is sufficient to understand how the tool oriented information model works? Stefan Schaefer is the founder and principal of the German speaking CMII User Group serving Austria, Germany, Liechtenstein and Switzerland. He holds a University Degree in System Engineering from the University of Applied Sciences in Esslingen (Germany). Stefan has over 12 years of experience in development and production oriented Configuration Management. In January 2000 he joined CargoLifter, with the challenging task to implement a Configuration Management System from scratch by utilizing a chosen Product Data Management tool. Unfortunately the project died in August 2002. CargoLifter Development GmbH was the design and construction operation of CargoLifter AG, an international consortium of companies based in Germany whose main focus is on the development, construction, operation and marketing of large lighter than air vehicles (airships and balloons) for the worldwide transportation of large and heavy goods.

9:30am - 10:00am "CM Principles Facilitate Concurrent Engineering" by Mr. Keith Foulger, ATK Thiokol

This presentation makes a strong business case for concurrent engineering. It discusses key CMII principles that enable the concurrent engineering process. The presentation discusses the tools and methods used to implement concurrent engineering along with the keys to successful implementation. The presentation ends with a compelling set of data about the value of concurrent engineering in establishing clear, concise, and valid requirements so that hardware conforms to requirements with minimum intervention resources. Keith Foulger is currently Manager of Configuration Management and System Requirements for the Space Shuttle Reusable Solid Rocket Motor at ATK Thiokol Propulsion in Brigham City, Utah. Keith has over 38 years experience in aerospace and defense activities to include 18 years with private industry and 20 years as an active duty U.S. Air Force Officer. Keith's private industry experience includes over 16 years in project engineering and program management for the space shuttle solid rocket motors, and two years in systems engineering for the Peacekeeper and Small Intercontinental Ballistic Missile programs. His military experience includes Headquarters U. S. Air Force, Major Air Command, missile maintenance, and missile combat crew assignments. Keith holds a Masters of Arts in Management from Webster University in St. Louis, Missouri. He is also a graduate of Squadron Officer School, Armed Forces Staff College, and the National Defense University. Keith is a Configuration Management II certified professional.

10:00am - 10:30am Break in Exhibit Area

10:30am - 11:00am "The Role of PLM Technologies in CMII" by Stanley Przybylinski, CIMdata

Both CMII and the strategic business approach we now call Product Lifecycle Management (PLM) evolved over the last 20+ years. The presentation describes

this evolution, drawing parallels between CMII and PLM, and then focuses on what PLM elements support CMII. Stan Przybylinski is a Senior Consultant with CIMdata, an international consulting and market research firm that focuses on the product lifecycle management (PLM) market. His work with industrial organizations over the last several years has focused on the adoption of PLM technologies to address problems in product development and engineering, including configuration management and engineering change. Mr. Przybylinski holds masters degrees in mathematics and finance, and received his CMII certification in July 2001.

11:00am - 11:30am “Communication and Control – Creating a Slice of the PII” by Cherie Flaherty and Yvette Scavuzzo, United Defense

Yvette Scavuzzo and Cherie Flaherty are Production Planners certified in CMII at United Defense Ground Systems, in York, Pa. They both have been employed at United Defense for eighteen years and held various positions in materials and CM. A system to control design and production changes for a variety of new builds and refurbished tracked combat vehicles produced at manufacturing sites throughout the country was developed. The system is called Problem Identification Investigation (PII) and has resulted in improved communication and control, enhanced documentation, improved visibility into changes and faster processing. This presentation will explain why and how the system was created, the benefits of the system at United Defense and why application of CMII principals are important to your company.

11:30am - 12:00pm “CM Process Improvement in the US Navy” by Mr. Mike Howard, Naval Sea Systems Command and Ted Gregory, CACI

Mr. Ernest R. Mike Howard has worked for the Naval Sea Systems Command since 1975. He obtained a Bachelor of Science Degree in Business Management and has a Masters Degree in Management and Information Systems. Mr. Howard assumed his current position as Assistant Program Executive Officer Mine and Undersea Warfare for Configuration and Logistics Management (PEO MUW-L) in September 1998. As Assistant Program Executive Officer Mine Warfare, he is responsible for Configuration/Logistics Management and acquisition reform initiatives. He also serves as executive agent for Assistant Secretary of the Navy (Research, Development and Acquisition) for re-engineering product support for the 21st century. He is solely responsible for the oversight of the Mine Warfare Other Procurement, Navy Spares and Operations and Maintenance, Navy budgets.

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Wednesday September 25, 2002

7:00am - 8:30am Continental Breakfast & Exhibits

8:30am – 9:00am “CMII Improvement in the Software Environment” by Ms. Pamela Adams, EDS

Look how the principals of CMII can better your software development environment and how these principals may reduce rework and increase your return on investment. These eight core principals if implemented correctly will help do this and more. Pam Adams has been working in the software and configuration management area since 1973. She has implemented Configuration Management in several organizations from the ground up and been instrumental in taking several organizations to CMM level 3 from total chaos. She leads 3 CM user groups in the Baltimore-Washington and Northern Virginia area and is currently writing a book in her spare time which is scheduled to be published later this year. Pam is currently employed by EDS and holds the responsibility of implementing Configuration Management globally.

9:00am - 9:30am "Globalization and Configuration Management” by Mr. Dave Presuhn, Boeing

9:30am – 10:00am “CMII and ISO 9001:2000 : A Perfect Fit” Presented by: Mr. Jerry Pyka, SPACEHAB

This session will address the new ISO standard and its tie to CMII. What is CMII's role in the new standard? Are there differences in Quality and CMII? Is there a main focus for CMII in the new standard? There will be a discussion on the six areas which ISO now addresses and CMII's integral role in getting and maintaining ISO certification. Jerry Pyka is the Quality Systems Manager for SPACEHAB, Inc., a leading provider of commercial aerospace services. He is responsible for all corporate quality issues. After assuming his duties as Quality Systems Manager, he quickly moved SPACEHAB through the ISO 9001:2000 upgrade process. Jerry was the Document and Record Services Manager for SPACEHAB where he applied proven configuration management techniques (CMII) to control the vast amount of documentation that is associated with aerospace projects. Previously employed at Smith Tool as Configuration Manager, Jerry was responsible for the management of all engineering documents and data worldwide. He was the Project Leader for Smith's PDM implementation and has been a consultant to Pathfinder LWD (a Halliburton company) for its PDM solution. Jerry received CMII certification from the Institute of Configuration Management in 1996 and serves as a part-time instructor for ICM. In addition to his duties at SPACEHAB, Jerry is an Adjunct Professor at the University of Houston where he teaches technical writing.

10:00am - 10:30am Break in Exhibit Area

10:30am - 11:30am “Daddy, Where Do Requirements Come From?” Presented by: Mr. Craig Senior, CGI Group

CMII teaches us that managing requirements is the backbone of an effective CM process. CMII provides the infrastructure and methods to effectively manage those requirements and keep them up to date. This front-end process entirely depends on clear, concise and valid requirements. In this session, Craig Senior explores the origin of requirements and how they are captured, validated, communicated, and updated via the requirements management process. Craig concludes with a look at how CMII plays a role in this essential process. A copy of this presentation was not included on the CMII 2002 Conference CD but can be e-mailed to any CMII 2002 Conference attendee. Please request this presentation by sending an email to Kathy Easterbrook at cmiiugs@aol.com.

11:30am - 12:00pm Closing Remarks and Acknowledgements