

Brian Criss, of DRMcNatty & Associates

Agenda - Saturday, February 28<sup>th</sup>

7:00-8:00 AM

Breakfast and Registration on the Promenade

Langdon

8:00-9:30 AM	Welcome and Introductions Held in the Sicilian Ballroom. Ghulam Shaikh P.E. Project Manager of Jacobs <u>Key Note Speaker</u> : <u>"State of the Association"</u> Stephen P. Warhoe, PE CCE CFCC AACE International President	
	Capri meeting room	Corsican meeting room
Morning	Scheduling/Earned Value/Claims	Cost Engineering/Estimating & Risk
10:00-10:50	Primavera Project Manager 6.0 – Tips and Tricks: Craig Olsen CCC, PSP, Vice President, of URS Corporation	Communicating Results – How Reporting Affects Owner Executive Decision Making: Alexia Nalewaik, CCE, MRICS, AACE Region 6 Director and Senior Manager Construction Audit & Advisory <i>Moss Adams LLP</i>
10:50-11:00	Break	
11:00-11:50	Administration and Implementation Strategies for deployment of P6 Web	Risk Based Calculation of Escalation: William Willson, FRICS Associate Principal in charge of Value and Bick Management, Davis
	Access	charge of Value and Risk Management. Davis

12:00-1:00 PM	Lunch is served in the Sienna room	
Afternoon	Scheduling/Earned Value Track	Cost Engineering/Estimating & Risk Track
1:00 – 1:50	Earned Schedule Analysis: Ray Stratton of Management Technologies	Estimating Water Treatment Facilities: Bill McGivney of DRMcNatty & Associates
1:50-2:00		Break
2:00 – 2:50	Enterprise-wide Schedule Management the Practical Way: Michael Nosbisch, CCC, PSP, AACE Regions Director and Vice President of Parsons Corporation	Trend Analysis - Role of the Cost Engineer/Analyst: Nelson Bonilla CCE of Fluor Corporation
2:50-3:10	Coffee Break	
3:10 – 4:00	Status of Forensic Schedule Analysis James Zack, CFCC, FRICS Corporate Claims Director of Fluor Corporation	Development of a Historical Unit CostDatabase for Use in Reviewing CostEstimates:Bill Kraus, PE, CCE, Past President AACE andEstimating Manager of International AviationConsultants
4:00 - 4:10	Break	
4:10 - 5:00	Integrating Cost with Schedules in Primavera, P6: Ben Lee, of DRMcNatty & Associates	Developing an Engineers Estimate for a California Aquaduct: Eric Costantino, of DRMcNatty & Associates

# Evening

6:00-8:00 PM Evening appetizer social reception on the Promenade and in the Sicilian Ballroom room with Open Bar. Guests are welcome.

# Agenda - Sunday, March 1st

7:00-8:00 AM

Breakfast on the Promenade

	Technological Innovations and Client Solutions Showasse	
Technological Innovations and Client Solutions Showcase		
(Held in the Sicilian Ballroom)		
0.00 0.50	Technology Solution: Avoiding Unpleasant Surprises with Capital	
8:00 - 8:50	e-Builder Project Management Best Practices	
	Jonathan Antevy, e-Builder co-founder and CEO of <i>e-Builder, Inc.</i>	
8:50 – 9:00	Break	
	Client Solution: Implementation of Primavera for Eastern	
9:00 - 9:50	PRIMAVERA Municipal Water District	
	Don McNatty, CEO of DRMcNatty & Associates for Primavera Systems	
9:50 – 10:00	Break	
	Technology Solution: Integrating information across the	
10:00 - 10:50	Synchro construction supply chain using 4D modelling with Google	
10.00 - 10.50	SketchUp:	
	Tom Dengenis, Chief Executive Officer Synchro Systems Inc.	
10:50 – 11:00	Break	
	Mindiet Technology Solution: Increase Productivity using Mindjet	
11:00 - 11:50	Mindjet <u>Technology Solution: Increase Productivity using Mindjet</u> <u>MindManager for Project Planning</u> :	
11.00 - 11.50	Alan Gibson, Regional Manager Mindjet Corporation	
	Join us for our closing remarks and great giveaway of prizes.	
11:50 – 12:30	Great Giveaway Must be present to win!	
	Ghulam Shaikh P.E. Project Manager of Jacobs	
Adjourn		
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#### **Key Note Address**

Time: 8:30 AM- 9:30AM



Key Note Speaker: "State of the Association"

Stephen P. Warhoe, PE CCE CFCC AACE International President

Mr. Warhoe will discuss the value of AACE International to its members and the cost engineering industry. He will discuss recent changes in the association's strategic plan which emphasizes more on providing value to its members. Additionally, Mr. Warhoe will also discuss recent happenings at the association and upcoming events and potential improvement and upgrades to the association. Mr. Stephen P.Warhoe, P.E., CCE, CFCC, CCM is the President of AACE International for session 2008-2009. He is a professional civil engineer, an MBA, and a PhD Candidate of the ESC Lille; Lille, France. He has varied experience in the industry including mega projects such as Kuala Lumpur International Airport, Washington State Route 520 Floating Bridge Replacement, and the Clark County School Construction program. He has taught several courses in Earned Value Management and CPM Scheduling to public and private organizations around the world. Mr. Warhoe is a Certified Cost Engineer, Certified Construction Manager and Certified Forensic Claims Consultant. Currently, Mr. Warhoe is a consultant, working as the estimating and risk manager for the Washington State Dept. of Transportation in its Urban Corridors region located in Seattle, WA. Track: Scheduling/Earned Value/Claims

Time: 10:00 AM- 10:50AM



Primavera Project Manager 6.0 – Tips and Tricks: Craig Olsen CCC, PSP, Vice President, of URS Corporation

This presentation shares the "how-to" on some interesting and unique ways to creatively analyze and evaluate schedules using the extensive capability and features (layouts, reports, graphics) of Primavera Project Manager, (P6). Also an approach on using P6 for "multi-project and blended project schedule perspectives

Craig L. Olsen, CCC, PSP - Vice President URS Corporation has over 35 years of practical and management experience in project, controls and construction management, including 20 years in hands-on planning and scheduling, cost control and resource management as well as training on over \$25 billion of programs/projects. His experience includes healthcare, education, entertainment, transportation, public works, infrastructure, utilities, industrial, commercial and retail. He has been responsible for program/project controls management, planning, scheduling, cost control, resource management, claims avoidance, change orders, and project and contract administration. He is also an Authorized Primavera Trainer and a nationally recognized speaker and presenter on cost and schedule management as well as the leader of the "URS Southern California Program/Project Controls Center of Excellence".

### Track: Scheduling/Earned Value/Claims

Time: 11:00 AM- 11:50AM



Administration and Implementation Strategies for deployment of P6 Web Access: Brian Criss, of DRMcNatty & Associates

Preparing for the deployment of a powerful tool such as P6 Web requires administration and planning for a successful user experience. This presentation will discuss considerations to be taken on by P6 administrators to help facilitate a controlled and successful launch of the P6 Web application for users. Brian Criss has 8 years of experience in planning, scheduling and estimating for various construction projects using Primavera software. He has assisted clients in the coordination, scheduling, cost control, and execution of projects using Primavera products. Mr. Criss has a strong construction background and works with scheduling projects from preliminary design phase to completion. Track: Scheduling/Earned Value/Claims

Time: 01:00 PM- 01:50PM



Earned Schedule Analysis: Ray Stratton, EVP, PMP President of Management Technologies

Estimated Cost at Complete (EAC) estimates are important, but so is funding. When will the project complete? Will we need funds next quarter, or next year? Until now EVM has only be able to estimate the Cost at Complete. *Earned schedule* is a new analysis tool to answer the schedule question with the same degree of accuracy as the cost question. Traditionally earned value schedule performance index (SPI) had one fatal flaw – the SPI tends toward 1.0 as the work is completed. This made it useless as parameter in estimating a completion date. This talk will introduce the audience to the concept of *earned schedule*, and its associated terminology, application, and formulas. Time based, versus budget based, schedule variance will be shown graphically and numerically. Formulas for estimating project completion date will be illustrated with examples.

Ray W. Stratton, EVP, PMP; President, Management Technologies, consultant, trainer, EVM process engineer, author: "The Earned Value Management Maturity Model®", and "Earned Value Professional (EVP) Exam Study Guide."

### Track: Scheduling/Earned Value/Claims

Time: 01:00 PM- 01:50PM



Enterprise-wide Schedule Management the Practical Way: Michael Nosbisch, CCC, PSP, AACE Regions Director and Vice President of Parsons Corporation

Whenever the topic of managing project schedules in a consistent manner across an enterprise is discussed, the conversation inevitably focuses on the requirement for all projects to load their baseline schedules and subsequent updates onto a common server accessible to both functional and business line management. While this strategy is understandable to a certain extent, it is not very practical, and the result is usually a database cluttered with countless schedule files that are not adding any value to the overall management process. In the federal government-based business unit of Parsons, however, a "management by exception" approach was used to address the need for enterprise-wide schedule management. This presentation will illustrate the process that was ultimately selected, to include a live demonstration of the proprietary tools that were developed to support it.

Michael Nosbisch has 20 years of experience in project management and project controls within both the government and private sectors. Since leaving the U.S. Marine Corps as a Captain in 1994, Michael has worked for several of the leading EPC firms in the country, to include URS Corporation, Jacobs Engineering, and Kiewit. Currently, he is Vice President of Project Controls for the federal government-dedicated business unit of Parsons Corporation, headquartered in Pasadena, CA. In addition, he is also an adjunct professor at the University of Southern California, teaching graduate level courses in heavy construction estimating and scheduling. Michael is certified as both a Certified Cost Consultant (CCC) and a Planning and Scheduling Professional (PSP) with AACE International, and currently sits on AACEI's Board of Directors as Vice President of Regions. Track: Scheduling/Earned Value/Claims

Time: 03:10 PM- 04:00PM



Status of Forensic Schedule Analysis James Zack, CFCC, FRICS Corporate Claims Director of Fluor Corporation

A discussion of the current status and impact of AACEI's Recommended Practice - Forensic Schedule Analysis.

James G. Zack, Jr. is the Executive Director, Corporate Claims Management for Fluor Corporation, a \$11 billion/year engineering, procurement, construction and maintenance contractor with offices and projects worldwide. He has, for 33 years, worked on construction projects and is a recognized expert in mitigation, analysis and resolution or defense of construction claims. Mr. Zack has worked on behalf of clients throughout the United States, as well as in Canada and Egypt. He has been involved in more than 2,500 claims and has been designated as an expert witness in mediation, arbitration and litigation. Mr. Zack is past president of AACE International and a Certified Forensic Claims Consultant. Mr. Zack also is a Certified Construction Manager through CMAA, a Project Management Professional through PMI and a Fellow of the Royal Institution of Chartered Surveyors. Mr. Zack is a nationally known author, speaker and trainer concerning the management, mitigation and resolution of construction claims on public works projects.

## Track: Scheduling/Earned Value/Claims

Time: 04:10 PM- 05:00PM



Integrating Cost with Schedules in Primavera, P6: Ben Lee, of DRMcNatty & Associates

This presentation will explore the methodology behind one solution of updating cost information from an Accounting/Finance System to Primavera P6. Additionally, we will discuss the decisions and planning that must be accomplished during the data integration process. Ben Lee has over 8 years of experience in ERP system implementations and over 12 years of experience in building customized database solutions. Along with system design and configuration, he has provided user training and created accompanying documentation throughout the software product life cycle. He has worked in a variety of environments from legacy MRP systems, user-interactive desktop solutions to company-wide SAP integration. He has also worked with and is associated with numerous industries including Technology/Semiconductors, Contract Manufacturing, Banking and Insurance. In the Primavera environment, Mr. Lee has used SQL Reporting Services to create interactive report output using P6 (Project Management) databases. He has designed an Expedition API solution for creating Expedition/Contract Manager projects and populating them using data from another source. Track: Cost Engineering/Estimating/Risk

Time: 10:00 AM- 10:50AM



Communicating Results – How Reporting Affects Owner Executive Decision Making: Alexia Nalewaik, CCE, MRICS, AACE Region 6 Director and Senior Manager Construction Audit & Advisory Moss Adams LLP

Owners rely on project reports in order to make decisions. However, reporting is often inadequate for this purpose. For example, there may be too much or too little information, which confuses the Board or executives. Data may be misrepresented, incomplete, unreconciled, not validated, or simply inaccurate. Owner oversight of projects requires accurate, timely, and relevant status reporting, yet all too often it is not provided. This paper identifies common pitfalls in project reporting, discusses the differences between accounting and project management software capabilities, and provides guidelines for periodic, consistent, useful reporting to upper management. Alexia Nalewaik, CCE, MRICS is senior manager in charge of the Construction Audit & Advisory practice at Moss Adams LLP. She has more than 15 years of experience in the public and private sectors, in the areas of project controls, owner's representative services, risk management, construction audit, and dispute consulting. Alexia received her master's degree in structural engineering from the University of Southern California, and a bachelor's degree in physics from the University of Dallas. Alexia currently servers as AACE Director Region 6 and ICEC Administrative Vice-Chair.

### Track: Cost Engineering/Estimating/Risk

Time: 11:00 AM- 11:50AM



### Risk Based Calculation of Escalation:

**William Willson**, FRICS Associate Principal in charge of Value and Risk Management. *Davis* Langdon

Escalation in the construction market in recent years has been extremely volatile, and finding methods to both quantify and manage cost escalation on an individual project has been critical. This situation continues to create a great deal of uncertainty and nervousness among project owners. How is the current financial crisis expected to affect project costs? What differentiates market forces from escalation? There is a way to control project risk, through active management. This presentation details methods by which participants in construction projects can work together toward project success. Will Willson, FRICS heads up Davis Landon's Risk Management Department and is currently based in their office in Philadelphia. As a Chartered Quantity Surveyor and Associate Value Specialist (AVS SAVE) Will brings 33 years of experience in construction and has a broad background in technical and management areas specializing in cost control, scheduling, value engineering, risk analysis, life cycle costing, project and construction management. Will has presented numerous papers and lectures to companies and professional societies worldwide. Will has instructed semester courses in Risk Analysis at Washington University St Louis, NYU, NY and Oklahoma University. Will was the Project Planning Manager for the Channel Tunnel Rail Link PPP project in the UK for 4 years during preliminary design and then headed up the risk assessment for the project working for Bechtel through to Financial Close. Track: Cost Engineering/Estimating/Risk

Time: 01:00 PM- 01:50PM



#### Estimating Water Treatment Facilities: Bill McGivney of DRMcNatty & Associates

This presentation will focus on the underpinnings of a comprehensive parametric method of accurate, preliminary design, construction cost estimates based on historical cost data. "Here is the first manual that guides engineers, planners, and contractors through the process of estimating the cost of building water treatment facilities. Based on more than eighty years of the two authors' collective experience, the Cost Estimating Manual for Water Treatment Facilities not only enables you to arrive at a dependable estimate, it shows you how to do it quickly with a minimum of information and supporting data."

The data for this book was developed over many years and compiled into multiple Excel work sheets that allow the user to add their own data to the parametric model at the detailed level. Bill McGivney has over 30 years of construction cost estimating and scheduling experience including the preparation of estimates and schedules for every design phase from conceptual through final for water and wastewater treatment plants, pumping stations, pipelines, reservoirs, and operations and control facilities. He has developed cost and schedule guidelines for a number of domestic and foreign projects and programs. His background also includes in-depth financial and accounting analysis.

### Track: Cost Engineering/Estimating/Risk

Time: 02:00 PM- 02:50PM



<u>Trend Analysis - Role of the Cost Engineer/Analyst:</u> Nelson Bonilla CCE of Fluor Corporation

The presentation will address the roles and responsibilities of the cost engineer or analyst and how trending analysis must be a high priority to ensure the successful execution of an effective cost management program.

Nelson Bonilla is a CCE and PMP and works for Fluor Corp. He has more than 30 years of project controls experience in a variety of industries Infrastructure, Mining, Petrochemical and Power. Mr. Bonilla has managed cost and schedule for projects in the US and overseas. Mr. Bonilla is Past President of the Southern California Section of AACEI and Past President of AACEI. Track: Cost Engineering/Estimating/Risk Time

Time: 03:10 PM- 04:00PM



Development of a Historical Unit Cost Database for Use in Reviewing Cost Estimates: Bill Kraus, PE, CCE, Past President AACE and Estimating Manager of International Aviation Consultants

Construction cost estimates for projects at the Hartsfield-Jackson Atlanta International Airport are developed from the bottom up utilizing a detailed quantity takeoff and the estimator's judgment on labor and equipment rates and productivities and budget quotes on materials, services, and the work of trade contractors. However, we maintain an extensive record of historical as-bid unit costs and utilize those in a "sanity checking" process in review of those estimates. We developed a database to organize those unit costs which allows us to enter unit costs from projects bid at any date and any location in the United States and rationalize them with respect to location and bid date and to sort or filter them for effective utilization in reviewing estimates. This presentation describes the necessary steps in enough detail for the listener to create the database, enter data, and use and maintain the data. While the use of the data requires some considerable

Bill has been a member of AACE since the mid-1980s. While the most important position he held in the Association was member, he also served as section treasurer, president, and certification director of the Rocky Mountain Section. He was Rocky Mountain Cost Engineer of the Year in 1994 and 2002, was honored for his exemplary contributions to the Association in 2005, and was elected fellow in 2006. He is currently serving the Association as immediate Past President and works as the manager of the estimating effort for the Hartsfield-Jackson Development Program, a \$5.4 billion program at the Hartsfield-Jackson Atlanta International Airport.

level of experience, creation and use of the database is fairly simple and can be accomplished by a cost engineer or estimator with a minimal amount of experience.

### Track: Cost Engineering/Estimating/Risk

Time: 04:10 PM- 05:00PM



Developing an Engineers Estimate for a California Aquaduct: Eric Costantino, of DRMcNatty & Associates

This presentation focuses on the benefits of close coordination between engineering, cost estimating and operations toward a common objective. There are 5 pumping plant locations along the Colorado River Aqueduct within a 250 mile travel distance from the first plant pumping station is located on Lake Havasu to the last located near Indio, California. This small project is part of much larger engineering and construction program with a preliminary budget of \$2 to \$3 million consisting of rehabilitation and upgrades to potable and fire suppression water storage tanks in very steep terrain with limited access over foot paths. Design of access improvements and stairways required large CIP concrete footings and hoisting of prefabricated steel stairway and platform sections over very long spans. Eric Costantino has over 5 years of experience in electrical design and cost estimating for various projects. He has assisted clients in developing and analyzing construction costs. Mr. Costantino has a strong design and construction background and works on projects from preliminary design phase to completion.

Based on the site walk we were able to provide alternative construction methods. Getting labor and materials to each site would be difficult and in could require the use of helicopters, boom cranes, as well as concrete batch plants and delivery of concrete over long distances. After evaluating these alternatives the engineers were able to move forward with modification of the design. By providing construction cost feedback on the design as it is being modified the engineer and owner are able to control the construction budget. The project is in final design now.

Track: Technological Innovations/Client Solutions Time: 08:00 AM- 08:50AM



Technology Solution: Avoiding Unpleasant Surprises with Capital Project Management Best Practices Jonathan Antevy, e-Builder co-founder and CEO of e-Builder, Inc.

During this informative session, Jonathan Antevy, e-Builder co-founder and CEO, will help participants gain a deeper understanding of how to effectively develop and manage the owner's schedule, as well as how to efficiently manage and forecast capital project costs to avoid unpleasant surprises at the end of the project.

Jonathan N. Antevy is CEO and co-founder of e-Builder, Inc., a provider of web-based collaborative project management solutions to North America's largest owner-developers since 1995. After working for several Florida based construction and development companies as a pre-construction services specialist, he was admitted to the graduate construction management program at the M.E. Rinker Sr. School of Building Construction in 1993. In completing his degree, Jon researched and presented his yearlong study of multimedia and Internet applications for the construction industry. In 1994 Jon formed e-Builder, Inc., leading the industry in the design, development and implementation of Program Specific Web Sites, Extranets, and Intranets exclusively for the construction industry. Since June 1995, Jon has been featured over 30 times in Engineering News-Record. In January 1996, Jon was nominated by McGraw-Hill and ENR as one of the Top 25 Newsmakers of the Year for being the first to move practical construction applications onto the World Wide Web.

Track: Technological Innovations/Client Solutions Time: 09:00 AM- 09:50AM



Client Solution: Implementation of Primavera for Eastern Municipal Water District Don McNatty, CEO of DRMcNatty & Associates for Primavera Software Systems

Don McNatty has supported Eastern Municipal Water District in Riverside County, CA with their implementation of Primavera since 1993. Don will describe how "Eastern" has moved through the three phases of system implementation and has dealt with changes in their environment and perspectives on the needs and output for project controls over that 15 year period. Specific examples on how implementation issues were resolved will be presented. Don McNatty has 40 years of construction and project management experience as a consultant, contractor, chief estimator, construction manager and project manager. For over 30 years he has been designing and implementing automated project control, estimating and costing systems in a wide variety of environments. Mr. McNatty regularly presents on project control system automation, "best practice" processes for project controls and the impact of emerging technologies on how projects are managed. He is a Primavera Certified Trainer and Consultant and regularly designs the application of technology solutions to project management business issues.

Track: Technological Innovations/Client Solutions Time: 10:00 AM- 10:50AM



Technology Solution: Integrating information across the construction supply chain using 4D modelling with Google SketchUp:

Tom Dengenis, Chief Executive Officer Synchro Systems Inc.

During this awe inspiring presentation, Mr. Dengenis will present a technology solution for "Integrating information across the construction supply chain using 4D modelling with Google SketchUp." The essence of the solution is to use 4D modelling across the supply chain so that everyone involved in a large, complex project can share a common view of it.

Mr. Dengenis will highlight use of Synchro in large-scale and complex construction projects and illustrate how sharing this important perspective across the construction supply chain can be accomplished to add real value in complex projects and control time delays and minimize budget overruns.

With a background in the global construction market, Chief Executive Officer Tom Dengenis brings construction engineering, software development and management experience to U.K.-based Synchro, Ltd. Most recently, Mr. Dengenis was a Director in the IT Strategy and Architecture Practice for BearingPoint Inc., a New York-based global consulting company, from 2005 to 2007, and also from 1996 to 2000. Prior to that, he served as chief executive officer for two software companies focused on the construction industry in London, first with Bidcom Ltd. from 2000 to 2002, and then Asite PLC from 2002 until 2005. Mr. Dengenis was Associate Commissioner responsible for the construction program at the Massachusetts Highway Department, where construction spending was \$1.8 billion per year from 1993 to 1996. He also served as Commissioner of Labor and Industries for the Commonwealth of Massachusetts. Mr. Dengenis is a Fellow of the Royal Society for the Encouragement of Arts, Manufacturers and Commerce, and Certified Professional Constructor, as designated by the American Institute of Constructors. Mr. Dengenis earned construction engineering degree from Montana State University, Bozeman, MT and an associate degree in applied science in building construction from the Wentworth Institute of Technology in Boston, MA.

Track: Technological Innovations/Client Solutions Time: 11:00 AM- 11:50AM



Technology Solution: Increase Productivity using Mindjet MindManager for Project Planning: Alan Gibson, Regional Manager Mindjet Corporation

Mind maps—visual displays of abstract thought, logical relationships and hypothetical reasoning-have been used for centuries by educators, engineers, psychologists and other professionals as an aid to learning, brainstorming, and problem solving. Mind maps have always had innovation at their core, but are they relevant to tasks such as project management, business process development and collaborative team interaction? In this session we will learn how using Mindjet MindManager, you can apply mind mapping techniques to not only visualize your project plans, but also better communicate your ideas and ultimately save time and money. Using Mindjet MindManager, project

Alan Gibson is the Regional Manager for the Western United States with Mindjet Corporation based in Southern California. He has an extensive background in the concepts of mind mapping and its application in the business environment for uses around project planning/management, strategy planning, brainstorming, and communication. Prior to this position with Mindjet, he held management positions with Telelogic (an IBM Company) as both the Global Manager of Product Marketing and Sr. Consultant - Enterprise Architecture, where he assisted in the development of large EA programs in the DoD and federal government

teams plan, strategize and interact more effectively in a high-performance work environment, helping them work smarter instead of harder, fostering more creative thinking and achieving more in less time.