

A large white swan-shaped boat is on a body of water. Two children, a girl and a boy, are sitting in the boat, both wearing yellow life jackets. The background shows a large, colorful building with many windows and palm trees, suggesting a resort or park setting.

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- classes on advanced theory in both planning & scheduling, and extensions in risk, cost, EVM, CAD, BIM, litigation and other bleeding edge topics,
- a place to showcase project success stories with especial attention to lessons learned, and
- an entertaining backdrop for networking and socializing with your colleagues in our field of practice.

The success of our conference is yours. I would like to thank all of our attendees, speakers, exhibitors and sponsors for making this the industry event to support and attend. While we are not technically an organization, your year-round activities creating and contributing to our social media sites make you all members. I have been truly honored to be able to assist our community with your Construction CPM Conference.”

Fredric Plotnick

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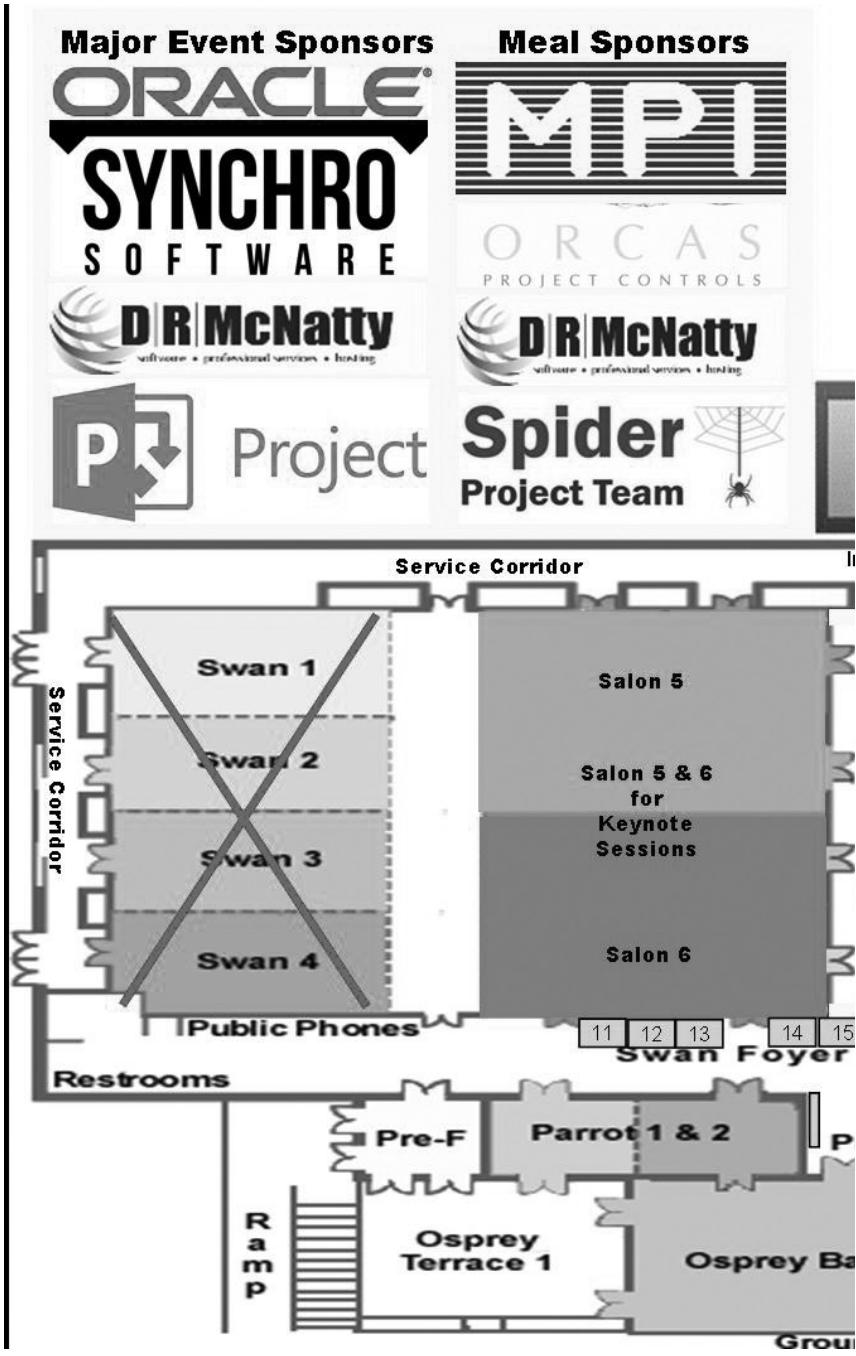


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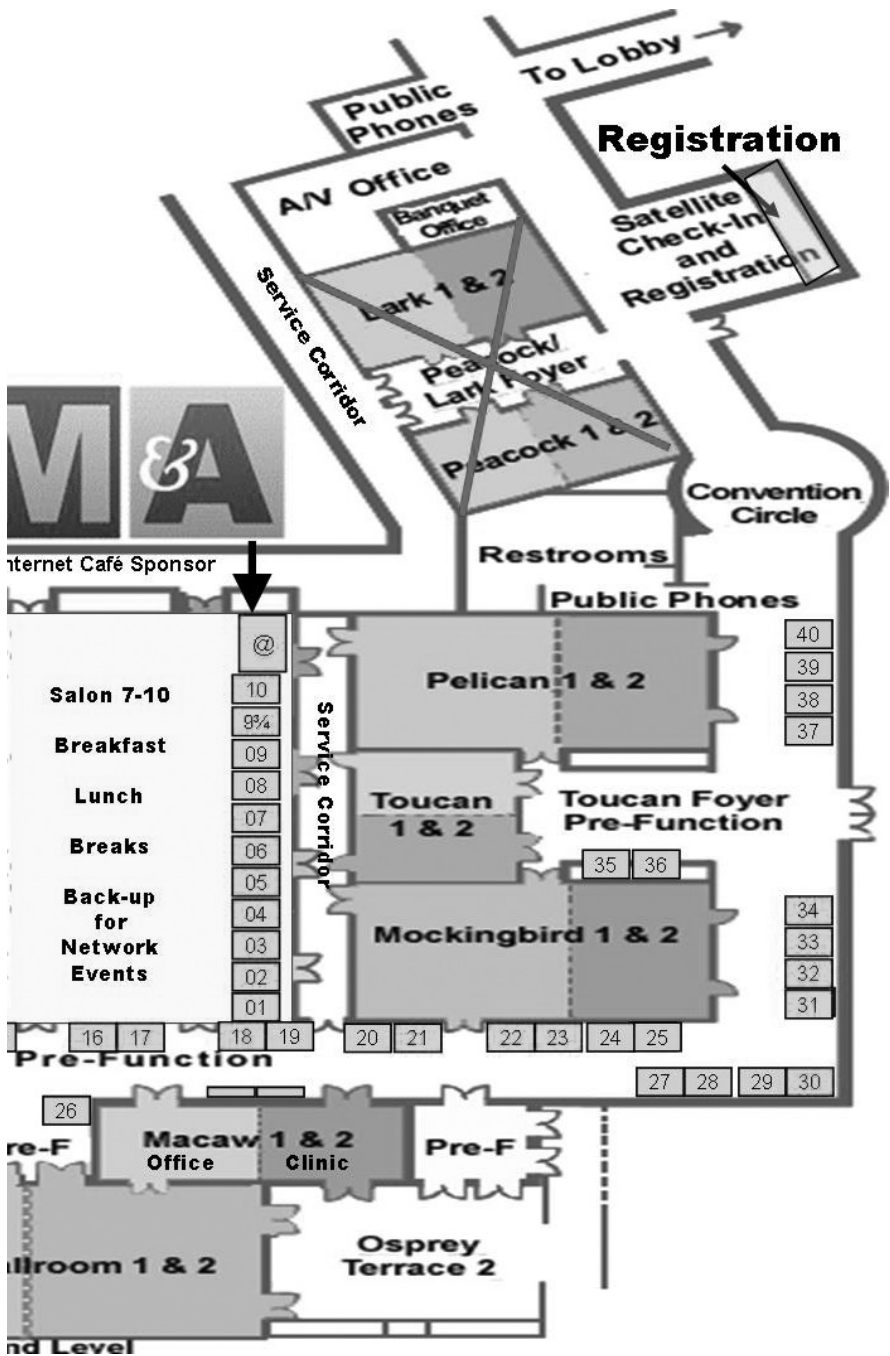
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SWAN LAYOUT



SWAN LAYOUT



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MONDAY PROGRAM

8 am - 4 pm

Synchro 3rd Annual User Conference

TUESDAY PROGRAM

8 am - 4 pm

Synchro 3rd Annual User Conference

8 am - 4 pm

PMA Netpoint 4th Annual User
Conference

7 - 10 pm

Welcome Reception—proudly sponsored
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Wednesday, January 22

9 pm to midnight

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WEDNESDAY PROGRAM

6:30 - 8 am	Hot breakfast
7 am - 5 pm	Registration
6:30 am - 5:30 pm	Exhibit Hall, Virtual Bookstore, and Internet Cafe are open
8 - 9:15 am	WED00: Opening session: Visions of the Future of CPM Scheduling with Dick Faris in Swan Salon 5 & 6
9:15 - 9:45 am	Exhibitor and Coffee Break
9:45 - 11 am	Breakout Sections
Swan Salon 6	<ul style="list-style-type: none"> • WED11: Introduction to Oracle Primavera's Solution for Engineering & Construction
Swan Salon 5	<ul style="list-style-type: none"> • WED12: Improving schedule quality with DeltekAcumen Fuse®
Osprey 1	<ul style="list-style-type: none"> • WED13: How to use MS Project for a complex construction project
Osprey 2	<ul style="list-style-type: none"> • WED14: Schedule planning in Vico Office
Mockingbird 1	<ul style="list-style-type: none"> • WED15: Introduction to Synchro Professional
Mockingbird 2	<ul style="list-style-type: none"> • WED16: Introduction to Micro Planner Manager
Toucan 1 & 2	<ul style="list-style-type: none"> • WED17: The GPM Way- The time of discontent with CPM is past
9:45 am - 4:50 pm	WED 18: Oracle One-on-One Clinic in Macaw 2



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WEDNESDAY PROGRAM, CON'T.

11:10 am - 12:25 pm	Breakout Sections
Swan Salon 6	• WED21: Schedule development using P6 Professional download to 1st report
Swan Salon 5	• WED22: ntroduction to Acumen 360™
Osprey 1	• WED23: Really understanding Microsoft Project
Osprey 2	• WED24: Production control in Vico Office
Mockingbird 1	• WED25: Intro to Oracle's Primavera risk analysis
Mockingbird 2	• WED26: Introduction to Spider Project Software
Toucan 1 & 2	• WED27: The marriage of financials, scheduling and project controls
12:25 - 1:15 pm	WED60: Luncheon Program: presentations by technical associations—proudly sponsored by Micro Planner X-Pert
2 - 3:15 pm	Breakout Sections
Swan Salon 6	• WED31: Schedule updating using P6 Professional NTP to 1st update report
Swan Salon 5	• WED32: Performance analytics for MS Project and Primavera Schedules using Deltek PPM
Osprey 1	• WED33: The riddle of the ribbon: Moving to MS Project 2010 from a highly customised MS Project 2007, or where is everything?
Osprey 2	• WED34: Introduction to ASTA Powerproject Schedule Planner
Mockingbird 1	• WED35: Industry trends noted in <i>CPM in Construction Management</i> 7th edition
Mockingbird 2	• WED36: The Hidden Critical Paths (HCP) Method: shortening complex schedules
Toucan 1 & 2	• WED37: UFSG Project Schedule requirements

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WEDNESDAY PROGRAM, CON'T.

3:15 - 3:35 pm	Exhibitor and Iced Tea Break
3:35 - 4:50 pm	Breakout Sections
Swan Salon 6	<ul style="list-style-type: none">• WED41: Oracle Primavera P6 tips & tricks
Swan Salon 5	<ul style="list-style-type: none">• WED42: Deltek Open Plan Download to 1st Update
Osprey 1	<ul style="list-style-type: none">• WED43: Change management and project controls
Osprey 2	<ul style="list-style-type: none">• WED44: Trimble Schedule Planner hospital case study
Mockingbird 1	<ul style="list-style-type: none">• WED45: Planning Planet Guild of Project Controls Town Hall
Mockingbird 2	<ul style="list-style-type: none">• WED46: Making sense of Schedule Risk Analysis
Toucan 1 & 2	<ul style="list-style-type: none">• WED47: How to cost load a schedule for USACE's QCS/RMS (Understanding the SDEF file)
4:50 - 6:30 pm	Networking Reception—proudly sponsored by Synchro
6:30 - 10 pm	Dinner on your own or Dine With Five New Friends™
9 pm - 12 am	“One Last Drink” at Disney’s Boardwalk—proudly sponsored by Synchro



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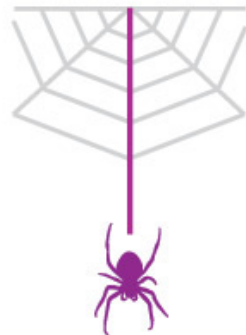


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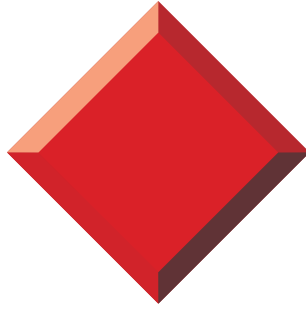
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THURSDAY PROGRAM

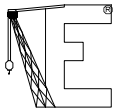
6:30 - 8 am	Hot breakfast—proudly sponsored by Orcas Project Controls
7 am - 5 pm	Registration
6:30 am - 4:50 pm	Exhibit Hall, Virtual Bookstore, and Internet Cafe are open
8 - 9:15 am	THU00: Keynote Session: 4D as Demonstrative Evidence with Ben D. Nolan III, PE, PSP
9:15 - 9:45 am	Exhibitor and Coffee Break
9:45 - 11 am	Breakout Sections
Swan Salon 6	<ul style="list-style-type: none"> • THU11: Introduction by Steve Lesser; and The future of Forensic Schedule Analysis by John Livengood
Swan Salon 5	<ul style="list-style-type: none"> • THU12: Hulett on risk
Osprey 1	<ul style="list-style-type: none"> • THU13: Oracle Primavera Unifier: Next Generation for contract management
Osprey 2	<ul style="list-style-type: none"> • THU14: BIM Track: Bentley on BIM
Mockingbird 1	<ul style="list-style-type: none"> • THU15: Cost and Risk Track: Humphreys on EVM
Mockingbird 2	<ul style="list-style-type: none"> • THU16: The ten worst scheduling techniques used today
Toucan 1 & 2	<ul style="list-style-type: none"> • THU17: Delay principles based on completion risk
9:45 am - 4:50 pm	Oracle Primavera One-on-One Clinic in Macaw 2



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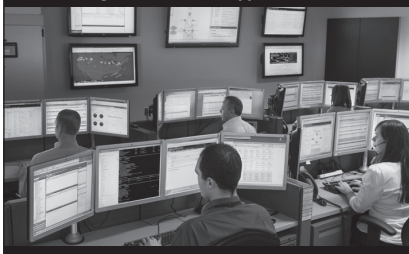
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THURSDAY PROGRAM, CON'T.

11:10 am - 12:25 pm Breakout Sections

- | | |
|---------------|--|
| Swan Salon 6 | • THU21: O'Brien-Plotnick delay analysis v. RP-29 |
| Swan Salon 5 | • THU22: Integrated cost/schedule risk analysis using Polaris |
| Osprey 1 | • THU23: Use of Trimble Prolog for DCRs |
| Osprey 2 | • THU24: BIM Art: How 4D scheduling creates a virtual masterpiece |
| Mockingbird 1 | • THU25: The evolution of EVM: after 50 years, have we really come that far? |
| Mockingbird 2 | • THU26: Designing an effective project controls team |
| Toucan 1 & 2 | • THU27: Principles of schedule contingency management |

12:25 - 2 pm THU60: Plenary Luncheon Theatre: Disney Magic by Disney Imagineering

2 - 3:15 pm Breakout Sections

- | | |
|---------------|--|
| Swan Salon 6 | • THU31: Preserving, making, rebutting, and winning delay claims |
| Swan Salon 5 | • THU32: Predicting the unpredictable: a CM's point of view |
| Osprey 1 | • THU33: Primavera contract management lives! |
| Osprey 2 | • THU34: Synchro scheduling tips & tricks |
| Mockingbird 1 | • THU35: Cash flow curve considerations |
| Mockingbird 2 | • THU36: Recreating the half step in P6 |
| Toucan 1 & 2 | • THU37: Comparative resource scheduling using various software packages |

THURSDAY PROGRAM, CON'T.

3:15 - 3:35 pm	Iced Tea and Lemonade Break
3:35 - 4:50 pm	Breakout Sections
Swan Salon 6	• THU41: Litigation Track: Trends in construction claims & disputes
Swan Salon 5	• THU42: Identifying true cost and schedule risk drivers with Acumen Risk™
Osprey 1	• THU43: Best practices for implementing Unifier
Osprey 2	• THU44: Program planning in large engineering projects: methodical approach and technological support
Mockingbird 1	• THU45: Avoid Surprises with Detailed Cost and Time Models
Mockingbird 2	• THU46: Project controls for the Maryland Transit Administration's \$4B Light Rail Program
Toucan 1 & 2	• THU47: Leading the way with Parkland Hospital
4:50 - 6:30 pm	Carnival Dinner and Networking Reception—proudly sponsored by DR McNatty
7 - 10 pm	A Taste of EPCOT: Private Dessert Networking Event with private Illuminations viewing area—proudly sponsored by Microsoft
10 pm - 12 am	Smoke & Mirrors Cigar Late-Late Evening Networking Event—proudly sponsored by Ron Winter's Schedule Analyzer

Dine with Five New Friends™



Five New Friends™ is a program of the Construction CPM Conference designed to match you and “five new friends” for a dinner with other conference attendees having similar interests based upon your registration survey. While reservations are closed prior to the start of the conference, you may check with the conference office, email info@constructioncpm.com or call 484-222-0357 to check for late cancellations or additional tables becoming available.

FRIDAY PROGRAM

6:30 - 8 am	Hot breakfast
6:30 - 9 am	Registration
6:30 am - 5:30 pm	Exhibit Hall, Virtual Bookstore, and Internet Cafe are open
8 am - 4 pm	Oracle Primavera One-on-One Clinic in Macaw 2
8 - 9:45 am	FRI01: Keynote Session: Mock Trial 2014 in Swan Salon 6
8:30 - 9:45 am	Breakout Sections
Swan Salon 5	<ul style="list-style-type: none"> FRI12: Special training session: Oracle P6 admin tips & tricks
Osprey 1	<ul style="list-style-type: none"> FRI13: You have chosen to integrate; what's next?
Osprey 2	<ul style="list-style-type: none"> FRI14: Using cultural change to introduce EVM through Micro Planner X-Pert
Mockingbird 1	<ul style="list-style-type: none"> FRI15: Introduction to our plan: the cloud-based last planner application
Mockingbird 2	<ul style="list-style-type: none"> FRI16: How effective project planning and implementation impacts an operating company's market value
Toucan 1 & 2	<ul style="list-style-type: none"> FRI17: Getting reading for BI Publisher: reporting requirements and using Oracle BI Publisher
9:45 - 10 am	Exhibitor and Coffee Break—proudly sponsored by Spider Team Software

FRIDAY PROGRAM

10 - 11:15 am	Breakout Sections
Swan Salon 6	• FRI31: Litigation Track: Concluding panel
Swan Salon 5	• FRI32: Dick Faris Oracle Primavera Town Hall
Osprey 1	• FRI33: Proper and effective uses of recovery schedules on construction projects
Osprey 2	• FRI34: Breaking the barrier: CPM and Lean
Mockingbird 1	• FRI35: Advanced scheduling concepts with Spider Project Software
Mockingbird 2	• FRI36: ASTA customer project showcase
Toucan 1 & 2	• FRI37: Profit-time trade-off of construction projects under extreme weather
11:15 am - 1:15 pm	Exhibitor and Coffee Break—proudly sponsored by Spider Team Software
12 - 1 pm	FRI60: Plenary Luncheon Theatre: Ernie Hani's <i>The Great Debate</i> —proudly sponsored by Jones Day

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FRIDAY PROGRAM, CON'T.

1:15 - 2:30 pm	Breakout Sections
Swan Salon 6	• FRI41: Read the full recommended practice!
Swan Salon 5	• FRI42: R12.2: It's not just a technical upgrade: the value for project-centric organizations
Osprey 1	• FRI43: An afternoon with Synchro
Osprey 2	• FRI44: Spatial Tools for Construction Management
Mockingbird 1	• FRI45: Meeting the challenge of EPC Project Proposal Schedules
Mockingbird 2	• FRI46: NetPoint training (separate fee)
Toucan 1 & 2	• FRI47: Marriage of CPM & EVM: counseling is scheduled
2:30 - 2:45 pm	Final Break
2:45 - 4 pm	Breakout Sections
Swan Salon 6	• FRI51: Experts & ethics: a panel discussion
Swan Salon 5	• FRI52: TBD
Osprey 1	• FRI53: An afternoon with Synchro
Osprey 2	• FRI54: An afternoon with CDP
Mockingbird 1	• FRI55: The scheduler as project generalist
Mockingbird 2	• FRI56: NetPoint training continued (separate fee)
Toucan 1 & 2	• FRI57: Risk & reward: how projects connect to company success or failure and the role of planning and control
4 pm	Disney World After 4 pm tickets available (separate fee)

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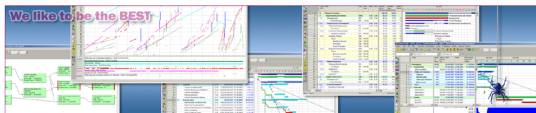
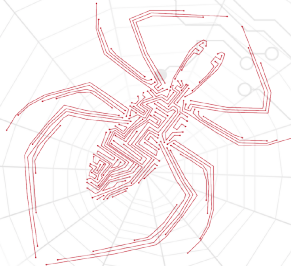
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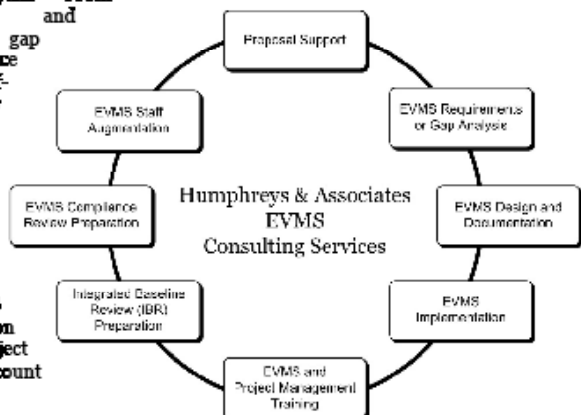


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ABSTRACTS: WED. 9:45 - 11 AM

WED00: Opening Keynote Session - Visions of the Future of CPM Scheduling - 8 - 9:15 am Swan Salon 5 & 6

Come join Dick Faris (Oracle/Primavera) in a discussion of the future of CPM scheduling software.

WED11: Introduction to Oracle Primavera's Solution for Engineering & Construction Swan Salon 6

Come learn about Oracle Primavera's commitment, focus and discipline to engineering and construction solutions. A comprehensive approach to address the big and complex as well as the small and simple. Topics will include:

- Overview of total industry solution offering
- Integrating Cost & Schedule
- Changing the game - from creation to status collection to reporting
- Roadahead

Presented by Garrett E. Harley, director engineering and construction strategy.

WED12: Improving Schedule Quality with Deltek Acumen Fuse® Swan Salon 5

A good plan makes a great project.

Deltek Acumen Fuse employs simple and effective schedule diagnostics to help pinpoint and, more importantly, resolve schedule shortcomings to ensure each schedule is of the highest quality.

Quickly visualize metric results and forensic data with the addition of the simpler, more intelligent SmartGantt™ to help achieve peak-level performance in planning quality and, as a result, a better chance at successful project execution.

Learn how to utilize the built-in benchmarking capabilities in Deltek Acumen Fuse along with the libraries of standard metrics to satisfy owner's requirements for on-time, to-budget, and to-spec project completion.

Presented by Dr. Dan Patterson, Vice President of Product Strategy, Deltek

WEDNESDAY ABSTRACTS, CON'T.

WED13: How to Use MS Project for a Complex Construction Project Osprey 1

How can you manage 250 handoffs (cross-project dependencies) between 8 subprojects in a 5,000 task construction program in Microsoft Project? Most construction program managers think that you cannot manage this in Microsoft Project. We will demonstrate that you can do this in fact in Microsoft Project. Come and find out how Microsoft Project is a serious contender in the arena of large-scale construction projects.

Presented by Eric Uyttewaal, PMP, Microsoft MVP for Project. Eric is one of the foremost experts on project and portfolio management software from Microsoft. He authored the book "Forecast Scheduling with Microsoft Project 2010", a PMI Registered Education Provider (REP) and is President of ProjectPro Corporation.

WED14: Schedule Planning in Vico Office Osprey 2

This advanced course is designed for planning teams who want to learn more about flowline theory and how it is used in complex, commercial construction projects. 4D BIM scheduling is comprised of 4 components: quantities by location, flowline theory, on-site production control, and 4D movie simulations. In this session, we will focus on the planning functional subset of locations, flowline, and using scheduling simulations to explain the project to the Owner.

WED15: Introduction to Synchro Professional Mockingbird 1

WED16: Introduction to Micro Planner Manager

Mockingbird 2

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WEDNESDAY ABSTRACTS, CON'T.

management easy for both novice and power users alike.

X-PERT for Windows a Critical Path Logic network based product either ADM and /or PDM format, a host of project planning and scheduling features, Resource Scheduling, Earned Value Performance, Gantt and Project Cost Controls easier to use than many packages. Details X-PERT's major features will be demonstrated this session, Micro Planning International's owners.

Presented by Raphael M Dua MACS PCP, General Manager Micro Planning International Asia Pacific Pty Ltd.

WED17: The GPM Way: The time of discontent with CPM is past
Toucan 1 & 2

Dr. Gui presents ten key aspects of the graphical path method (GPM) of project planning and scheduling that represent emerging, or improve on existing, best practices that will change the project/program/portfolio management landscape as we know it. The principles provide a credible way forward for those practitioners who agree with the premise that "the current state of scheduling practices is wasteful," not to mention with the tenet of the ENR story on 05/26/2003, where O'Brien, Plotnick, Wickwire, & Ockman lamented that "Critics Can't Find the Logic in Many of Today's CPM Schedules."

WED18: Oracle Primavera One-on-One Clinic Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.



ABSTRACTS: WED. 11:10 AM -12:25 PM

MON21: Schedule Development Using P6 Professional
Download to 1st Report

Swan Salon 6

This session will lead attendees from download of Primavera P6 software from Oracle's website to delivery of the first report to management of the Contractor and the Owner. This session is taught by two veteran users of P6™, Hannah Schumacher, Director of Scheduling Services for FDI Planning Consultants (www.fdiplan.com) and Charlie Jackson, Vice President of Primavera Services for Hill International (www.hillintl.com). This session will focus on the presenters' experiences and their lessons learned regarding the effective use of P6™ in the schedule development process as they apply to the Planning and Scheduling development processes. The Scheduler should be able to apply the implementation and execution "Lessons Learned" outlined in this presentation to develop schedules quickly and efficiently using P6™.

WED22: Introduction to Acumen 360

Swan Salon 5

From planning and execution, to delay recovery and everything in between, faster, cheaper project completion is always the goal. What would it take to move your project time frames into the fast lane?

Deltek Acumen 360 provides the acceleration you crave effortlessly and in seconds. Identify multiple scenarios for achieving an earlier completion or options for pulling a delayed project back on track and use the built-in decision support options to select a direction for your business.

This presentation will explore the unique capabilities of Deltek Acumen 360 and review some tips and best practices for obtaining team consensus and buy-in on proposed scenarios. Presented by Dr. Dan Patterson, Vice President of Product Strategy, Deltek

WEDNESDAY ABSTRACTS, CON'T.

WED23: Really Understanding Microsoft Project Osprey 1
Love it or hate it, Microsoft Project (MSP) CPM scheduling software is here to stay. Many construction contracts are now mandating its use. Most people using MSP on construction projects find that MSP is fine for planning the work but very difficult to use when maintaining the status and accurately forecasting project completion.

The good news is that you can 'make' MSP properly reflect complicated status including out-of-sequence progress resembling Retained Logic. The Great News is that in this fourth-generation presentation, we finally made understanding easy. This advanced presentation will explain how to best use MSP in place of P6 or other more status-oriented scheduling software. Presented by Ron Winter, PSP, and author of Schedule Analyzer Software.

WED24: Production Control in Vico Office Osprey 2
As any good Scheduler knows, planning the schedule is only half the battle; the other half is managing to the schedule on-site. This advanced workshop examines the skills and toolsets necessary to perform on-site production control. Building on the learnings from the previous session, this workshop will tackle measuring work put in place by location and comparing actuals to planned; creating look-ahead schedules in the trailer to help Supers see potential conflicts far in advance; and working as a team to solve scheduling conflicts and avoid cascading delays.

WED25: Intro to Oracle's Primavera Risk Analysis

Mockingbird 1

This session will lead attendees from download of Primavera

WEDNESDAY ABSTRACTS, CON'T.

Risk Analysis (previously named Pertmaster) software from Oracle's website to delivery of the first update report to management.

Oracle's Primavera Risk Analysis is a full lifecycle risk analytics solution integrating cost and schedule risk management. Primavera Risk Analysis provides a comprehensive means of determining confidence levels for project success together with quick and easy techniques for determining contingency and risk response plans. You'll have an objective view of required contingency to account for cost and schedule uncertainty as well as analyzing the cost effectiveness of risk response plans.

WED26: Introduction to Spider Project Software

Mockingbird 2

Spider Project is the only PM software that optimizes resource, cost, and material constrained schedules and budgets for projects and portfolios. Spider has more unique features than any other software on the market (e.g. automatic resource assignments) but maintains a decentralized approach so users are not hamstrung by security controls or internet service. Used in 28 countries, Spider Project has now entered the USA! Come see the next generation of scheduling software today. This session is recommended for those who plan to attend the companion session "Software can land an aircraft. Why can't it plan a project?" on Friday at 10am, following the morning coffee break.

WED27: The Marriage of Financials, Scheduling and Project Controls

Toucan 1 & 2

For today's company the integration of the financial, scheduling, and project controls is no longer a luxury, it is a necessity to remain competitive. This session is going to focus on the business process of these applications specifically addressing Oracle Primavera Uni-

WEDNESDAY ABSTRACTS, CON'T.

fier and Oracle Primavera P6 and the types of integration for right company. We are going to review Financial or Job Cost integrations, Work Order Integrations, and Resource Management Integrations. With the overlap of functionality in these application what questions should a company answer to maximize the value of these applications via integration.

Presented by Bob Sullivan of Morpheus Technology Group

WED28: Oracle Primavera One-on-One Clinic Macaw 2
Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

WED60: 12:45 to 1:15 pm: Luncheon Program - Presentations by Technical Associations

- AACE (Association for Advancement of Cost Engineering International)
- PMI SCoP (Project Management Institute Scheduling Community of Practice)
- Planning Planet



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ABSTRACTS: WEDNESDAY 2 - 3:15 PM

WED31: Schedule Updating Using P6 Professional NTP to 1st Update Report Swan Salon 6

This session will lead attendees in the proper use of Oracle Primavera P6 EPPM from Notice-to-Proceed (or acceptance of the initial baseline schedule) to delivery of the first update report to management of the Contractor and the Owner. This session is taught by two veteran users of P6™, Hannah Schumacher, Director of Scheduling Services for FDI Planning Consultants (www.fdiplan.com) and Charlie Jackson, Vice President of Primavera Services for Hill International (www.hillintl.com). Primavera's latest release of P6™ contains many features that can assist in developing schedules quickly and efficiently.

This session will focus on the presenters' experiences and their lessons learned regarding the effective use of P6™ in the schedule development process as they apply to the Planning and Scheduling development processes. The Scheduler should be able to apply the implementation and execution "Lessons Learned" outlined in this presentation to develop schedules quickly and efficiently using P6™.

WED32: Performance Analytics for MS Project and Primavera schedules using Deltek PPM Swan Salon 5

This session will explore how the Deltek Cost and Schedule analytical suite can be used in conjunction with tools from Microsoft or Primavera to validate schedule quality and provide cost and performance analysis capabilities. The pragmatic use of effective Earned Value techniques for commercial projects will be discussed. Presented by David Estipona, Senior Principal Sales Engineer, Deltek

WED33: The Riddle of the Ribbon, Moving to MS Project 2010 from a highly customized MS Project 2007, or Where is Everything? Osprey 1

Microsoft has once again upgraded a perfectly adequate product, adding some new features while removing some that were useful,

WEDNESDAY ABSTRACTS, CON'T.

and then completely restructuring the menu system, now the Ribbon, making it difficult to find where they put everything. This is the story of my experience translating my highly customized 2007 version to be equally useable on 2010. So if you go to the trouble of customizing your Ribbon, which I guarantee you will want to do, you will want to know where they put it in case you want to save someone else the trouble and send them your Ribbon. This is not an exhaustive tutorial of features and functions, but it does represent what you the practitioner are likely to experience when you upgrade. Presented by Ed Mahler, PMP, President of the Project Administration Institute (PAI).

WED34: Introduction to ASTA Powerproject Schedule Planner
Osprey 2

WED35: Industry Trends Noted in CPM in Construction Management, 7th Edition Mockingbird 1
This classic, originally written by James J. O'Brien in 1964, continues to be used as a primary teaching textbook, a ready reference, and as an industry bible cited in numerous federal, state, municipal and private contract specifications. Professor Plotnick will discuss trends in CPM as used in Construction, as noted in the evolution of the text from the initial to the current seventh edition. Q&A will also cover suggestions by Attendees on materials to add (or retire) for the upcoming 8th Edition (2015).

WED36: The Hidden Critical Paths (HCP) Method – Shortening Complex Schedules Mockingbird 2
HCP (Hidden Critical Paths) is a method of analyzing and optimizing complex construction and infrastructure project schedules. The output of an HCP analysis is a report which conveys invaluable understanding and insight for project managers, executive manage-

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ment and even parties to construction claims.

In most large construction and infrastructure projects, the improved project management enabled by this report dramatically reduces risk and saves millions of dollars. HCP identifies serious flaws in schedule integrity, identifies opportunities for dramatic schedule improvement, reveals hidden risks in the schedule, highlights tasks requiring special attention, ensures alignment between different perspectives on the project and presents an overall confidence measure of a project's likely success.

In this presentation, the HCP method will be explained and demonstrated using actual construction projects and interesting examples.

Presentation by Tal Levanon of HCP-Consulting

WED37: UFSG Project Schedule Requirements Toucan 1 & 2
The Unified Facilities Guide Specifications (UFGS) are a joint effort of the U.S. Army Corps of Engineers (USACE), the Naval Facilities Engineering Command (NAVFAC), the Air Force Civil Engineer Center (HQ AFCEC) and the National Aeronautics and Space Administration (NASA). The UFGS are for use in specifying construction for the military services. Meeting the scheduling requirements of Section 01 32 01.00 10 is often a source of much misunderstanding and frustration on the part of the Project Team and the Scheduler in achieving an approved baseline and/or accepted monthly reporting. An understanding of the reasons for the requirements versus the expectations of the specific clients are of great help. The bottom line is, you need to understand these requirements and structure your schedule such that it will meet these requirements. This session will provide a basic understanding on the tricks and tips of structuring your Project Schedule to the UFGS Project Schedule Specifications.

Presented by David Long

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WED38: Oracle Primavera One-on-One Clinic Macaw 2
Two 30 minute sessions to clinic with a representative from a
Oracle Primavera Partner for One-on-One assistance.



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Micro Planner X-~~PERT~~ for Windows is a Critical Path Logic network based product either in ADM and/or PDM format, has a host of project planning and scheduling features, including Resource Scheduling and Earned Value Performance Management, with Gantt and Project Cost Controls reporting and is easier to use than many other packages. Details of some of the X-~~PERT~~'s major features are set out below, information contact your local Micro Planner representative or Micro Planning International directly.

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ABSTRACTS: WED. 3:35 - 4:50 PM

WED41: Oracle Primavera P6 Tips & Tricks Swan Salon 6
Take your P6 Professional knowledge to the next level. Join Mr. Japka as he demonstrates little known P6 features live. Topics covered will include;

- Group and Sort
- Formatting Bars
- Creating a Critical Path Report
- Resource Codes
- Templates
- Open discussion - Ask questions, stump the presenter!
- Prizes given!

Mr. Japka will lead this session. Jonathan_Japka@Japka.us. Mr. Japka worked for a Primavera Authorized Partner (PAR) since 1990 before going out on his own in 2004. Learn “Everything you ever wanted to know about P6* (* But were afraid to ask)” (nod to Woody). Presented to a packed house at last year’s 2013 PMI scheduling conference.

WED42: Deltek Open Plan Download to 1st Update Swan Salon 5

WED43: Change Management and Project Controls Osprey 1
Change is inevitable throughout the construction process, but change must be controlled to ensure the project remains in control. Managing change is essential for a successful project.

Topics Covered:

- Impact of Changes on the Project
- Tools and Techniques to Control Changes
- Types of Project Changes
- Managing the Project Change
- Contract Administration of Changes
- Schedule Management of Changes

WEDNESDAY ABSTRACTS, CON'T.

- Prosecuting Requests for Extensions of Time due to Changes
- Negotiation and Resolution of Changes

Presented by Mark Anderson, Executive Vice President and Chief Operating Officer of Waener Construction Consultants

WED44: Trimble Schedule Planner Hospital Case Study

Osprey 2

You can't estimate the project without understanding the schedule. The same holds true on a BIM-based project: you need good 5D to do 4D! True 4D BIM is comprised of 4 components: quantities by location, flowline scheduling, on-site production control, and 4D simulations. 4D BIM is turbo charged CPM designed for continuous resource usage, leveraging calculated durations based on quantities per location, and harmonizing workflow at the rate at which crews can complete each location. This presentation will showcase 4 California hospital projects who implemented 4D BIM: Kaiser Permanente Phase 2: Hospital Tower in Oakland, Kaiser Permanente Phase 2: Specialty Medical Office Building in Oakland, St. Jude's Northwest Tower in Fullerton and Queen of the Valley Medical Center in Napa. We examine the challenges they faced, how they overcame them, and the project results.

WED45: Planning Planet Guild of Project Controls Town Hall

Mockingbird 1

Come to this session to discuss the current status of the International Guild of Project Controls, preview the two completed Standards of Practice, Planning & Scheduling and Forensic Analysis, and participate in developing the Cost Management Standard of Practice.

Moderated by Chris Carson.



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WEDNESDAY ABSTRACTS, CON'T.

WED46: Making Sense of Schedule Risk Analysis

Mockingbird 2

The paper will start with a brief discussion of the nature of uncertainty and how we measure it, the validity of subjective estimates, and why schedule uncertainty is different and more complex than cost uncertainty. This will include an explanation of the phenomenon of merge bias.

It will go on to explain how Monte Carlo simulation works and why it is the only valid way to deal with schedule uncertainty. Reference will be made specifically to uncertainty relating to task durations, resource costs, and project calendars.

The main part of the paper will deal with how to determine the input data, including correlations, and how to interpret the results, including estimated frequency function, cumulative frequency function, and percentile points.

The paper will conclude with a discussion of sensitivity analysis, its value, and the difficulty of doing it properly.

Presented by Tony Welsh.

WED47: How to cost load a schedule for USACE's QCS/RMS (Understanding the SDEF File)

Toucan 1 & 2

Cost loading a schedule for USACE's QCS/RMS is often a source of much misunderstanding and frustration on the part of the project team and scheduler. An understanding of the reasons and requirements for cost loading a schedule to support QCS/RMS is of great help. Simply put; understanding the data and structure of the SDEF File is the first step; understanding the reason for cost loading the schedule is the second reason to understand the SDEF File. The bottom line is; if you want to be paid for the work performed then you need to cost load your schedule, that is, your schedule becomes the Schedule of Values

WEDNESDAY ABSTRACTS, CON'T.

(SOV) forming the basis of your monthly progress payments. This session will, provide a basic understanding of the requirements for cost loading a schedule and an understanding of the data in the SDEF File that will allow you to get paid.

Presented by David Long

WED48: Oracle Primavera One-on-One Clinic Macaw 2
Two 30 minute sessions to clinic with a representative from a
Oracle Primavera Partner for One-on-One assistance.



ABSTRACTS: THURSDAY 9:45 - 11 AM

THU00: Keynote Session - Keynote Session - 4D as Demonstrative Evidence - 8 - 9:15 am Swan Salon 6 & 5
Help kick off our litigation track with Ben D. Nolan III, PE, PSP

THU11: Introduction By Steve Lesser and The Future of Forensic Schedule Analysis by John Livengood Swan Salon 6
Steve is this year's Chair of the ABA Forum for Construction. John is co-lead author of the AACE RP-29.

Sophisticated construction management skills have radically changed the way projects are managed and delivered. CPM scheduling's step-child known as Forensic Schedule Analysis (FSA) is now driven by four separate factors: 1) The GOOD – the advancement of schedule delay methodological and analytical tools; 2) The HARD – the ability to evaluate the explosion of information; 3) The BAD – the inability of the legal system to provide guidance on CPM scheduling issues; and 4) The SCARY – the incorporation of claims resolution into the practice of construction management. Developments in all these areas require a whole new paradigm for the FSA expert.

THU12: Hulett on Risk Swan Salon 5
Integrated Cost-Schedule
Risk Analysis Using the Risk Driver Method

Many cost estimates assume that the project schedule is engraved in stone. Estimates of project cost may be unbiased but still, they do not represent the best estimate of total cost until project schedule risk is considered. This presentation, first, discusses the rationale for conducting a project risk analysis and for integrating the analyses of cost and schedule risk in one exercise. Second, the Risk Driver method for analyzing project cost and schedule risk is proposed and demonstrated using a new Monte Carlo simulation and analysis package, Polaris. Third, in this analysis the impact on cost risk of uncertainty in schedule that impacts the cost of time-

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dependent and LOE-type resources is considered in an integrated analysis. The result is a better estimate of cost risk and identifying the main risks to cost, some of which are usually those thought of as being schedule risks. Without integrating cost and schedule the impact of schedule on cost is likely to be missed or underestimated.

THU13: Oracle Primavera Unifier - the next generation for Contract Management Osprey 1

Oracle Primavera Unifier is a best of breed tool for managing and tracking costs throughout the lifecycle of the built environment, from design and planning, through to construction and then operations and maintenance. In this session, attendees will be given an introduction to the capabilities of Unifier both in the cloud and in the data center.

The topics covered will include an introduction to the base configuration Cost and Project Delivery processes, cost sheets, stage gates, cash flow, reporting and how to configure the individual processes to capture the data your business needs. Attendees will leave with a better understanding of how Primavera Unifier can be used as part of the Primavera suite of products to help manage and control projects.

The session will be presented by DRMcNatty.

THU14: BIM Track: Bentley on BIM

Osprey 2

Presented by Patrick Morton.

THU15: Cost & Risk Track - Humphreys on EVM

Mockingbird 1

THU16: The Ten Worst Scheduling Techniques Used Today

Mockingbird 2

The authors will show the ten worst techniques used by schedulers today that contribute to project failure, examining them in

THURSDAY ABSTRACTS, CON'T.

detail using Lessons Learned from both a project management and a claims perspective. These issues range from widely used approaches today to others that are more rarely used and the session will provide suggestions for dealing with each of the techniques. With a combined experience of more than 70 years, the authors will teach as well as entertain.

The authors of this paper, Chris Carson & Glen Palmer, are widely experienced in planning and scheduling as well as all dispute resolution analyses and have testified as experts.

THU17: Delay Principles Based on Completion Risk

Toucan 1 & 2

Where the approach to scheduling a project is deterministic, the critical path is deemed to be certain. Conventional delay principles flowing from this assumption include: 1) a delay off the critical path within total float does not impact completion, and 2) a delay on the critical path equates to a day-per-day delay in completion. When the scheduling approach considers completion risk, the assumption underlying conventional delay principles is no longer valid. Instead, likelihood of impact is front and center, as any delay on or off the deterministic critical path may impact the probability of completing on time. This paper presents novel delay principles based on completion risk in a schedule that is risk assessed initially and periodically. Presented by Timothy Mather of PMA Netpoint.

THU18: Oracle Primavera One-on-One Clinic

Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance. Sign up when you register or at the conference.

ABSTRACTS: THURSDAY 11:10 AM - 12:25 PM

THU21: O'Brien-Plotnick Delay Analysis v. RP-2 Swan Salon 6
AACE RP-29 discusses a number of methods for delay analysis that are common in the industry. One of the comments of the RP is that these methods may need to be combined depending upon the situation. CPM in Construction Management, by O'Brien and Plotnick, suggests one method as preferred to minimize subjectivity of experts and hopefully allow both experts to reach a similar solution. This session will try to reconcile these two approaches - perhaps they are the same.

Presented by Fred Plotnick and Kenji Hoshino

THU22: Integrated Cost/Schedule Risk Analysis Using Polaris Swan Salon 5

This presentation discusses how uncertainty and Risk Register events used as Risk Drivers drive schedule risk analysis. A cost estimate is integrated using POLARIS so that cost risk is affected by both traditional cost risk elements (e.g., uncertain material costs or labor rates) and schedule risk elements (e.g., design, fabrication or testing that may take longer and thus cost more). This approach is the same approach that has been used successfully on construction and oil and gas projects and on NASA projects.

Presentation by David Hulett, Ph.D., Hulett & Associates, LLC and Eric Drucker, Booz Allen Hamilton

THU23: Use of Trimble Prolog for DCRs Osprey 1

THU24: BIM Art: How 4D scheduling creates a virtual masterpiece Osprey 2

The Art of BIM is created by pulling together vast amounts of information and communicating it in a clear and meaningful way. As each layer of information, extension of the project team,

THURSDAY ABSTRACTS, CON'T.

and phase of the process is added, the picture becomes more detailed. When overlaid with the CPM schedule, the details become a masterful work of art represented by spectacular project.

- How do we start the 4D process?
- How is this BIM art created?
- What is the scheduler's role in BIM?
- How does the BIM scheduler interface with the rest of the project?

Presented by Ben Crosby of Yates Construction.

THU25: The Evolution of EVM – after 50 years, have we really come that far?

Mockingbird 1

It's hard to believe that the genesis of Earned Value Management began as early as 1960 – but it did. And what's even more shocking is that some of the pain points that were present back then, largely around understanding and implementing an earned value management system, have gone unchanged. Alerts are common place. Yet, somehow these smaller, lower risk events are more sophisticated and current than the communication and accuracy of our billion dollar plus Capex projects. In this session, Ron Babich, CEO of RIB MC2 North America, will address the reasons why so many EVM initiatives fail, what specifically is to blame and how to make it work. Ron will discuss newly proven best practices and the big time shifts in thinking that have to occur in order to succeed with EVM – and accordingly, ROI.

THU26: Designing an Effective Project Controls Team

Mockingbird 2

All projects aren't created equal. A one-size-fits-all project controls team won't meet the needs of all projects. The right balance of people, processes, and technology are key to controlling

THURSDAY ABSTRACTS, CON'T.

projects. Today, significant focus is placed on implementing the tools and technology and less emphasis on developing the right team. How do you design a project controls team to optimize the success of a project? This presentation illustrates a framework to design a project controls team based on project criteria and required level of project control. You will be able to modify this framework for your organization in order to address important variations.

Presented by Barry Meyers and Stephanie Thatcher of Orcas Project Controls.

THU27: Principles of Schedule Contingency Management

Toucan 1 & 2

The establishment and management of schedule contingency has been discussed and debated numerous times by project management professionals. There are a wide range of opinions regarding whether and how to properly implement and manage schedule contingency. The AACE International Planning and Scheduling Committee have developed a recommended practice to outline the guidelines for Schedule Contingency. This AACE Recommended Practice provides guidelines for the proper use of schedule contingency when the project allows its use. After the schedule risk analysis and duration reviews have been completed there are several acceptable methods for establishing contingency time in the project schedule. The principles, guidelines and suggested requirements for establishing and managing schedule contingency as part of the overall project risk management process will be presented.

Presented by Ted Douglas.

THU28: Oracle Primavera One-on-One Clinic

Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

ABSTRACTS: THURSDAY 2 - 3:15 PM

THU60: 12:45 - 1:45 pm - Plenary Luncheon Theatre - Disney
Magic by Disney Imagineering

THU31: Preserving, Making, Rebutting, and Winning Delay
Claims Swan Salon 6

This session will discuss the contractual obstacles to making a delay claim (no damage for delay, etc.) and how to overcome them both before contract and after; how to make a claim without waiving it; how to document a claim and track costs; the importance of working with a credible scheduling expert early on in the process; and presenting delay claims at mediation, arbitration, or trial.

Presented by Wally Zimolong, Esquire, of www.zimolonglaw.com.

THU32: Predicting the Unpredictable - a CM's point of view
Swan Salon 5

Unpredictable events and time constraints are the primary source of schedule risk – the more they occur, the greater the risk to the successful outcome of a project. It is inevitable that there will be schedule and cost threats throughout the life of the project due to these risks – but it should not be inevitable that they impact the schedule or budget. This talk will demonstrate, through case studies, the benefits of following specific steps to proactively manage schedule risk and dramatically increase the chances of a timely, cost-efficient project completion. This process is called Schedule Risk Analysis (SRA).

Colin Thrift is a Chief Scheduler at Gilbane with 33 years of construction & program management, scheduling and planning experience.

THU33: Primavera Contract Management Lives! Osprey 1

PCM has been around for almost 30 years and is still widely used on many projects. There's uncertainty about the impact of Unifier on PCM. Oracle says Unifier is the future of their Contract and

THURSDAY ABSTRACTS, CON'T.

Document Management offering, but have committed to support PCM for the near future. PCM licenses are “perpetual”, you can continue to it for as long as you need to. There’s lots of third party support for PCM to help keep it running.

This presentation discusses what you can do to extend the life of PCM deployments and when to consider moving to Unifier.

Presented by DRMcNatty.

THU34: Synchro Scheduling Tips & Tricks

Osprey 2

THU35: Cash Flow Curve Considerations

Mockingbird 1

Primavera doesn’t really do a practical cash flow curve. The early curve approximates cash flow, but not actually in a usable manner. The answer is to export period data to Excel, and then format an appropriate graph. But then how can the data be structured so that it is useful for all the team members, including Finance? We’ll look at some facets of the problem, and present a solution that responds to the multi-level concerns.

Presented by Jim Simons, PMP PSP EVP.

THU36: Recreating the Half Step in P6

Mockingbird 2

Have you ever faced the challenge of reviewing a monthly schedule update that includes both progress updates and non-progress revisions? To effectively evaluate potential schedule impacts, a schedule reviewer needs to separate the progress updates from the non-progress revisions. This is what a Half Step Schedule does. AACE’s Recommend Practice 29R-03 already recognizes the Half Step schedule as an effective analysis technique.

Primavera P6™ software contains several features that can assist in the review and analysis of project schedules. It can even help you create Half Step schedules using the Update Baseline utility. In this presentation, noted P6 experts will explore the Update Baseline feature, the myriad of options available, and how it can be used to

THURSDAY ABSTRACTS, CON'T.

review and analyze project schedules.

Presented by Ron Winter and Hannah Schumacher.

THU37: Comparative Resource Scheduling Using Various Software Packages Toucan 1 & 2

Resource Allocation is an important area for construction management. Two problems of resource allocation of concern are resource levelling and resource scheduling. The normal convention for, resource scheduling problem is solved using either heuristics or optimization techniques. Where heuristic methods are used, resource scheduling is always treated as a subsequent problem to critical path analysis.

Presentation describes resource scheduling problems handled using heuristics, where logic dependence and resource availability limits are considered after the scheduling process; for Resource Constrained and Time Constrained models Constant resource demand of activities is assumed, tasks once started continue if project is constrained by time so cannot be interrupted. When resource limits are reached and task has Total Float it can be split to avoid overloading the resource. Splitting has consequences, so control of splitting is demonstrated.

Presented by Raphael M Dua MACS PCP, General Manager Micro Planning International Asia Pacific Pty Ltd.

THU38: Oracle Primavera One-on-One Clinic Macaw 2
Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

ABSTRACTS: THURSDAY 3:35 - 4:50 PM

THU41: Litigation Track - Trends in Construction Claims & Disputes Swan Salon 6

Claims and disputes are a constant in the construction industry, regardless of whether the industry is doing well or poorly. This paper, based on research conducted by the Navigant Construction Forum™, overviews some relatively recent trends related to construction claims and disputes in the areas of concurrent delay, suspensions of work, time extensions, notice and claim filing requirements, calculation of home office overhead, proof of differing site conditions and risk transfer in the design/build environment under Federal government contracts. Through this insight, it is believed that owners, design professionals, construction managers, contractors and subcontractors can devise ways to avoid such issues going forward thus making projects more successful, and more profitable, for all stakeholders.

Presented by James G. Zack, Jr. of Navigant Consulting.

THU42: Identifying True Cost and Schedule Risk Drivers with Acumen Risk™ Swan Salon 5

In a traditional risk analysis setting, the focus often falls on using complex statistical calculations in order to understand the overall impact of project risk. Deltek Acumen Risk™ has never been one for tradition.

Dive into the more intuitive alternative of Deltek Acumen Risk™ in this presentation of cost and schedule risk analysis best practices. Discover how risk events and team evaluations of scope uncertainty are considered during analysis to provide a more accurate look at completion forecasts. Plus, explore unique features of the method, like the ability to identify the true drivers of both cost and schedule risk, and learn how the newest additions in Acumen Risk 5.0, like the Schedule Realism Adviser™, make risk analysis with Acumen Risk even

THURSDAY ABSTRACTS, CON'T.

simpler.

Presented by Dr. Dan Patterson, Vice President of Product Strategy, Deltek.

THU43: Best Practices for Implementing Unifier Osprey 1

In this session, attendees will learn the best practices that Faithful+Gould has developed from over 8 years of implementing Primavera Unifier for clients, in the cloud and in the data center. Faithful+Gould is an international Project Management firm for whom Primavera Unifier is our preferred solution for electronic project management. The topics covered will include linking schedules to cost management elements to enable better cash flow forecasting, getting the level of complexity of processes 'right', adapting the project management system to the project and the benefits of transparency in project management enabled through Primavera Unifier. The session will be presented by Richard Tregaskes who has spent his career helping clients improve their businesses through the appropriate use of technology, from a consultant, through the leader of design teams split across multiple continents..

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THU44: Program Planning in Large Engineering Projects: Challenges, Methodical Approach and Technological Support

Osprey 2

In the dynamic daily routine of complex and distributed engineering projects, organizations face many communication challenges. Enable sustainable decisions on all hierarchical levels and increase planning maturity. This presentation will help you to close the gap between program and projects to ensure a reliable, accurate and consistent flow of information within multi-level structures and improve the odds of our success.

Presented by Campana & Schott's Director for US Operations, Larry Mead, has over 15 years of experience in the US and internationally in Europe, managing, implementing and developing enterprise project management solutions. Larry Mead holds a Master's in International Business, is a PMP, and owns Microsoft MCP and MCITS certifications.

THU45: Avoid Surprises with Detailed Cost and Time Models

Mockingbird 1

As projects move forward, schedulers naturally shift their attention to the remaining work required to bring everything to successful completion. To help illuminate the path forward, contractors and EPCMs often put significant effort into capturing and analyzing earned value performance metrics. However, project managers may miss key insight if they also fail to utilize detailed cost and time estimates to reforecast their schedules. In this session, learn how continually leveraging detailed bottom-up estimate calculations can help you improve project forecasts and avoid unwelcome scheduling surprises.

Presented by John Garay of Hard Dollar.

THU46: Project Controls for the Maryland Transit Administration's \$4B Light Rail Program

Mockingbird 2

THURSDAY ABSTRACTS, CON'T.

This presentation will provide a detailed description of MTA Transit Development and Delivery program which includes the Baltimore Red Line Project and the Purple Line Projects which are light rail projects to be constructed in downtown Baltimore and in the heavily populated Washington DC Metro area. We will discuss challenges faced when determining the project control needs and the development of processes and software to meet the needs of the project.

Presented by VANCE TSIAMIS, PE, PSP, CCM of RK&K.

THU47: Leading the Way with Parkland Hospital

Toucan 1 & 2

The largest public construction project in America is Dallas County's \$1.3B New Parkland Hospital and Campus. The project is redefining public health care with a LEED Silver facility that will provide more patient-centered care in a second to none healing environment.

The magnitude of the program and the transparency required challenged the Parkland owner to manage this program differently. Technology and collaboration were highly leveraged with an integrated suite of program control tools, extensive use of BIM, pre-fabrication and a collocated program delivery team. Come hear how Parkland's innovative approach is keeping the program on-schedule and on-budget as it nears completion in mid-2014.

Presented by Shelly Sipes, PMP of Critigen.

THU48: Oracle Primavera One-on-One Clinic

Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

ABSTRACTS: FRIDAY 8 -9:45 AM

FRI00: Keynote Session - Mock Trial 2014 - 8 - 9:45 am

Swan Salon 6

Judge Marshall's court is again in session for this year's Mock Trial presentation. So top off your cup of coffee, be seated, and enjoy the show! Judge Marshall will teach the LAW. Two attorneys, renown for international and domestic construction litigation, will be providing examples of trial techniques, setting traps for unwary experts. And two experts will be providing examples of bad and good behavior, as well as providing the facts of the case to Judge Marshall and the jury (you!).

FRI12: Special Training Session - Oracle P6 Admin Tips & Tricks

Swan Salon 5

FRI13: You have chosen to Integrate, What's next?

Osprey 1

To remain competitive in today's economy companies are facing the need to do more with less. That is no different in the use of software applications as they do not operate in isolation. As companies attempt to integrate their systems it is increasingly apparent integration projects are most successful with highly visible business objectives. This session is going to be an overview of the integration processes, the tools available to facilitate the integration of disparate applications and focus on the what is needed to integrate financial, scheduling, and project controls application. Presented by Randy Nolan of of Morpheus Technology Group.

FRI14: Oracle Primavera Unifier - the next generation for Contract Management

Osprey 2

Major construction companies are used to adopting new management and construction methodologies for years as a way of successfully gaining new projects and maintaining their market share.

FRIDAY ABSTRACTS, CON'T.

Improving productivity and knowledge is:-

- Identifying what are current practices
- Identifying changes through better performance measurement, analysis and reporting
- Applying systematic approach changing existing operating and business processes
- Understanding the existing culture in the organisation and developing appropriate methodologies to change it

Presented by Raphael M Dua MACS PCP, General Manager
Micro Planning International Asia Pacific Pty Ltd.

FRI15: Introduction to ourPlan – The Cloud-based Last Planner Application Mockingbird 1

ourPlan develops collaborative project management applications for the construction industry. We built the first visual planning application designed to be used by Last Planners™ to track commitments, identify roadblocks and coordinate weekly work plans. This session will give you an overview of ourPlan and some basic Last Planner concepts. It will also cover common questions about how CPM Master schedules can be linked to Production Planning tools like ourPlan.

Presented by Tom Feliz.

FRI16: How Effective Project Planning & Implementation Impacts an Operating Company's Market Value Mockingbird 2

In today's capital project delivery world, organizations strive to be recognized as top performers. The return on investments continues to receive increasing scrutiny, focus, and importance. Many industries continue to make the same mistake. In a broad view, they fail to make the "engagement of owner's expertise" anything more than a semi-cursory. As a consequence, many owners waste minimally 15 cents out of every capital dollar

FRIDAY ABSTRACTS, CON'T.

spent.

We will see how NetPoint is uniquely suited to productively engage the critical expertise in the decision-making process earlier, better, and more productively to improve capital effectiveness overall.

Presented by W. Christopher (Chris) Luther, P.E., President of Camargo Associates, LLC

FRI17 - Getting Ready for BI Publisher – Reporting Requirements and Using Oracle BI Publisher Toucan 1 & 2

In this session, attendees will learn basic report creation with Oracle's advanced reporting solution, BI Publisher. Faithful+Gould is an international Project Management firm for whom Primavera Unifier is our preferred solution for electronic project management. The topic brings a project management perspective to determining KPI's, requirements gathering and documentation, reporting types, discerning data relevance and creating a basic report template to aid in reporting transparency for project management enabled through Primavera Unifier.

The session will be presented by Diana Kennedy who has spent her career helping clients improve their business processes through the appropriate use of technology. Diana brings over eight years of working with Oracle Primavera Unifier and 20 years of construction and facilities management.

FRI18 - Oracle Primavera One-on-One Clinic Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

Sign up when you register or at the conference.

ABSTRACTS: FRIDAY 10 - 11:15 AM

FRI31: Litigation Track Concluding Panel Swan Salon 6
Choosing an Expert War Stories - the Good, Bad & Ugly
Presented by Jones Day.

FRI32: Dick Faris Oracle Primavera Town Hall Swan Salon 5
User Wish List and Q&A on the road map for Oracle and Primavera product lines.

FRI33: Proper and Effective Uses of Recovery Schedules on Construction Projects Osprey 1
When a construction schedule shows delay or there is otherwise a delay in construction progress the common response by a project owner or someone acting on the owner's behalf is to demand a "recovery schedule" to make up delay within the remaining contract time to achieve an on time completion. Among the topics and best practices covered are:

- What steps should be taken to minimize a request for a recovery schedule.
- When an owner should request a recovery schedule and how should a contractor respond to a request for a recovery schedule.
- How to approach acceleration and schedule development, including additional resource requirements, cost and resource leveling and developing "what if" scenarios.
- What to include in a recovery schedule.
- What to do after a recovery schedule is submitted.
- Who pays for any acceleration costs required to implement a recovery schedule.

Presented by Charles Choyce of BERKELEY RESEARCH GROUP.

FRI34: Breaking the Barrier - CPM and Lean Osprey 2
Lean Scheduling, Phase Pulls, Production Plans, Flow Line Scheduling and CPM on the surface go together like oil and water. A few

FRIDAY ABSTRACTS, CON'T.

years ago Lean was simply a concept but it's become a way of doing business, projects are won and lost based on how Lean a company is, contractors expect it and owners demand it. This session will focus on breaking through the perceived barriers between CPM and Lean Scheduling focusing on several case studies relating to successful strategies and standards implemented by Turner Construction Company in the Ohio Region.

Presentation by Adam Baker and Mark Broughton of Turner Construction.

FRI35: Advanced Scheduling Concepts with Spider Project Software
Software can land an aircraft. Why can't it plan a project?

Mockingbird 1

Why do we accept the inefficiencies of feeding decisions to a computer? We take project variables into a meeting, determine the "best" current solution, and pass that decision to a scheduler who, in turn, spends significant time entering this information into the schedule. This is backwards! If a computer can land a 450 ton aircraft full of human life without zero human intervention, then surely it can re-sequence a few thousand activities and resources.

Archibald highlights the perceived complexity of such a feat and then explains the brilliant simplicity of the solution. This session focuses on the tangible ways in which computers are advancing capabilities in project scheduling and displays some powerful software that does a good job of turning variables into decisions by way of heuristic algorithms.

FRI36: ASTA Customer Project Showcase

Mockingbird 2

The beginning of this presentation will focus on a few capabilities that sets this product apart from many scheduling options that are available today. In a matter of a few minutes you will begin to realize that Asta has many of the capabilities you wish you had in your current scheduling tool. This part will be presented by Project Integra-

FRIDAY ABSTRACTS, CON'T.

tion an Asta Partner with 21 years of Oracle Primavera experience and then “hold on” as we turn this over to Bill Jack Daniel, Scheduling Manager at Saunders Construction for an impressive story of what they have accomplished in a short period of time.

Scheduling is one of the most important aspects of any construction project. Time is money, time is risk and time can be a reward. Accurate and intuitive scheduling can make or break a project. In this session you will hear from Denver-based Saunders Construction and their integration of Asta Powerproject for all their planning and schedule needs. Scheduling Manager, Bill Jack Daniel will discuss the implementation of a new platform into the organization, innovation, and training as well as highlight a few features and tools.

FRI37: Profit-Time Trade-off of Construction Projects Under Extreme Weather

Toucan 1 & 2

Maximizing the profitability and minimizing the duration of construction projects in extreme weather regions is a challenging objective that is essential for project success. An optimization model is presented herein for the time-profit trade-off analysis of construction projects under extreme weather conditions. The model generates optimal/near optimal schedules that maximize profit and minimize the duration of construction projects in extreme weather regions. The computations in the model are organized into: (1) a scheduling module that develops practical schedules for construction projects, (2) a profit module that computes project costs (direct, indirect, and total) and project profit, and (3) a multi-objective module that determines optimal/near optimal trade-offs between project duration and profit. Presented by Saleh A. Mubarak, Ph.D., Head, Dept. of Civil & Architectural Engineering, and Ahmed Senouci¹, both of College of Engineering, Qatar University

FRI28: Oracle Primavera One-on-One Clinic

Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

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Author: *Forecast Scheduling with Microsoft Project 2010*

Email: *EricU@ProjectProCorp.com*



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ABSTRACTS: FRIDAY 1:15 - 2:30 PM

FRI60: Plenary Luncheon Theatre - The Great Debate - 12 - 1 pm

“Is our Scheduling System Really Broken?”

Anti-CPM: Tim Mather & Jim Zack

Pro-CPM: Rob McCullough & Rich McAfee

Moderated by Ernie Hani

FRI41: Read The Full Recommended Practice! Swan Salon 6

The latest version of the AACE International Recommended Practice 29R-03 Forensic Schedule Analysis was published in 2011, “to provide a unifying reference of basic technical principles and guidelines for the application of critical path method (CPM) scheduling in forensic schedule analysis”.

Care must be taken to avoid “cherry-picking” any particular method thinking that this will automatically ensure success: proving their entitlement in these delay claims. The use or misuse of these methods and not following the protocol described for each of these methods can lead to undesirable results and more disputes. Several examples are presented to illustrate these misapplications. In conclusion, some recommendations are described to properly apply these methodologies and properly benefit from the guidelines of the Recommended Practice 29R-03. Presented by Dr. Wahid Mansour, PMP.

FRI42: R12.2: It's Not Just a Technical Upgrade; the Value for Project-Centric Organizations Swan Salon 5
Oracle E-Business Suite (EBS) Applications Release 12.2 has been generally available from Oracle since September 2013. This long-awaited release provides significant enhancements across the integrated suite of business applications spanning enterprise resource planning, project performance management, and supply chain management. Join this presentation to understand the various approaches in upgrading to R12.2. Additionally, receive

FRIDAY ABSTRACTS, CON'T.

a baseline for measuring the potential value in driving cost savings and improvements to cash flow with new features specific to project centric industries including, but not limited to project supply chain planning, planning by cost breakdown, subcontractor management, and mobile project management.

Presented by Rhonda Straub, Associate Vice President, Oracle ERP Services of Project Partners.

FRI43: An Afternoon with Synchro

Osprey 1

FRI44: Spatial Tools for Construction Management

Osprey 2

Presented by Shelly Sipes, PMP, Director of Program Management Solutions, Critigen.

FRI45: Meeting the Challenge of EPC Project Proposal

Schedules

Mockingbird 1

The schedule is an important element of the Engineering Procurement Construction (EPC) project proposal which gives the client a visual guide to the planned project. The proposal schedule must include the major project activities, proposed duration and all project milestones as well as key tasks and deliverables required to complete the project. When preparing proposals a high-level schedule is used, unless a more detailed schedule is specifically requested. Preparing a project proposal schedule can be a labor intensive effort. Often proposal team conduct schedule reviews and last minute changes which add to the scheduler's pressures. This presentation will discuss techniques that can be used to quickly prepare a proposal project schedule. Use of schedule templates, modular CPM series and similar historic projects are some of the techniques to be presented.

Presented by Ted Douglas

FRI46: NetPoint Training

Mockingbird 2

Get an excellent overview of NetPoint focusing on the basics

FRIDAY ABSTRACTS, CON'T.

of building a NetPoint plan efficiently as well as tips and tricks gleaned from thousands of hours of use in the field. You will have the chance to explore new 4.2 features and more advanced functions including NetRisk™, the Data Manager, and AutoGRAPH™. This seminar, held over two consecutive sessions, will be hands-on and include a 60-day trial of NetPoint to be downloaded prior to the seminar. Earn 3 PDU's for attending. \$150 per attendee, reserve your spot today. To sign up, please go to <http://pmatechnologies.com/the-netpoint-and-gpm-scheduling-conference/netpoint-training/>.

FRI47: Marriage of CPM & EVM: Counselling is Scheduled

Toucan 1 & 2

The current practice is to use the critical path method (CPM) to evaluate the status of project schedule and forecast project completion time while using the earned value management (EVM) method to evaluate the status of project cost and forecast project cost at completion. However, EVM and CPM are based on different underlying assumptions and using them simultaneously can lead to the wrong decisions. The Earned Schedule (ES) method transforms EVM cost metrics to time metrics to enhance the evaluation of project schedule performance and forecast the duration needed to complete the project. Integration of forecasts using EVM, CPM, and ES provides a better perspective of possible future outcomes and provides further insights that allow the executive, program manager, project manager, and other stakeholders to make evidence-based decisions about project cost, schedule, and other parameters.

Presented by Frank Anbari of Drexel University

FRI48: Oracle Primavera One-on-One Clinic

Macaw 2

Two 25 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

ABSTRACTS: FRIDAY 2:45 - 4 PM

FRI51: Experts & Ethics - A Panel Discussion Swan Salon 6

FRI52: OPSIG Oracle Primavera Special Interest Group Network Event Swan Salon 5

FRI53: An Afternoon with Synchro Osprey 1

FRI54: TBD Osprey 2

FRI55: The Scheduler as Project Generalist Mockingbird 1
Presented by Jon Orr.

FRI56: NetPoint Training Continued Mockingbird 2

FRI57: Risk & Reward: How projects connect to company success or failure and the role of planning and control
Toucan 1 & 2

Working capital is fundamental to the operation of any business. Construction companies derive their working capital through projects. It is therefore important to understand the connection between project planning and control and the firm's working capital. The management of working capital determines whether companies succeed or fail. There is a relationship between the money that flows into a project and the money that flows out. This is called net cash flow. Across an organisation, these individual project net cash flows compound to build the organisational cash flow. When problems start to occur, the organisational cash flow can become unsustainable even though projects may appear to be making money. To prevent disaster, greater emphasis must be placed on firm level control of projects and less on the project manager's responsibility. Thus better and more rigorous planning, control and forecasting systems should be centrally mandated and monitored. This is the key to moving

FRIDAY ABSTRACTS, CON'T.

from Risk to Reward.

Presented by Professor Russell Kenley, Professor of Management, Swinburne University of Technology.

FRI28: Oracle Primavera One-on-One Clinic

Macaw 2

Two 30 minute sessions to clinic with a representative from a Oracle Primavera Partner for One-on-One assistance.

**Introduction to Oracle's Primavera P3 Project Planner Software - has been moved to our VIDEO LIBRARY for viewing before or after the conference. This session will lead attendees from download of Primavera P3 software from Oracle's website to delivery of the first update report to management of the Contractor and the Owner. Taught by a veteran user of Primavera P3, Ted Douglas, emphasis will be given to Primavera P3's professional features, superior calculations, and ease of use.*



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