

2009 ANS UTILITY WORKING CONFERENCE & VENDOR TECHNOLOGY EXPO

BACK TO THE FUTURE

AUGUST 2-5 • AMELIA ISLAND PLANTATION • AMELIA ISLAND, FLORIDA

Explore the fundamentals of nuclear power operations – review our past successes, our current challenges, and our vision for the future. Learn how these fundamentals lead to strong performance and support industry growth via new nuclear plant construction and operation. And voyage into the future to explore how new nuclear generation will meet future energy needs and protect our environment. Join us as we travel

BACK TO THE FUTURE.

- **INNOVATIVE SPEAKERS**
- **INSPIRING TOPICS**
- **CREATIVE NETWORKING**
- *Vendor-hosted* **GOLF TOURNAMENT**
- **AMAZING LOCATION**



OFFICIAL PROGRAM

CONTRIBUTING ORGANIZATIONS

*The organizations listed below have made an outstanding contribution to the success of the
2009 UTILITY WORKING CONFERENCE
and to the enjoyment of the attendees and their guests through their generous sponsorship.*

Entergy Corporation
Exelon Corporation
Operations and Power Division of the American Nuclear Society
UniStar Nuclear Energy
Co-Sponsors of the Opening Plenary

Day & Zimmerman, NPS
Sponsor of the Guest Room Key Cards

Shaw Group
Sponsor of the Registration Conference Bags

SUNDAY, AUGUST 2, 2009
Hydroaire Services, Inc.
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Sponsors of the Bottled Water for the 2009 Utility Working Conference Golf Tournament

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Invensys Process Systems
Sponsor of the 2009 Utility Working Conference Golf Tournament Awards Luncheon

AREVA
Sponsor of the Blended & Frozen Bars during the Opening Reception

Rolls Royce
Co-Sponsor of the Hot Appetizers during the Opening Reception

EPM Inc. (Engineering Planning and Management, Inc.)
Sponsor of the Beer/Wine/Soft Drinks during the Opening Reception

EXCEL Services Corporation
Co-Sponsor of the Action/Carving Stations during the Opening Reception

Mitsubishi Nuclear Energy Systems, Inc.
Sponsor of the Dessert and Cordial Reception

MONDAY, AUGUST 3, 2009
Bechtel Power Corporation
Enercon Services, Inc.
Co-Sponsors of the Continental Breakfast in the Grand Pavilion

AREVA DZ LLC
Sponsor of the Mid-Morning Refreshment Break

URS Washington Division
Westinghouse Electric Company
Co-Sponsors of the Luncheon in the Vendor Technology Expo

TUESDAY, AUGUST 4, 2009
Sargent & Lundy
Sponsor of the Sunrise Breakfast

AREVA DZ LLC
Sponsor of the Mid-Morning Refreshment Break

PricewaterhouseCoopers
SAP America, Inc.
Co-Sponsors of the Beer/Wine/Soft Drinks during the Vendor Technology Expo Reception

WEDNESDAY, AUGUST 5, 2009
IBM

Sponsor of the Continental Breakfast in the Vendor Technology Expo

Curtiss-Wright Flow Control Company, Nuclear Group (Enertech, Nova, Scientech, Trentec)
Sponsor of the Mid-Morning Refreshment Break

UPDATED: JULY 29, 2009

TABLE OF CONTENTS

4	Program Committee
5-6	Condensed Schedule
7	Conference Information
8-18	Detailed Conference Schedule
19-29	Vendor Technology Exhibit
30	Golf Tournament Information

2009 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO

BACK TO THE FUTURE

AMELIA ISLAND PLANTATION • AMELIA ISLAND, FLORIDA

PROGRAM COMMITTEE

CO-GENERAL CHAIR

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Entergy Corporation

CO-GENERAL CHAIR

Checky Herrington
Entergy Corporation

GOLF CHAIR

Thomas D. (Sid) Sarver
Enercon Services, Inc.

TECHNICAL PROGRAM CHAIR

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ASSISTANT TECHNICAL PROGRAM CHAIR

Mike Spellman
Progress Energy Harris

ASSISTANT TECHNICAL PROGRAM CHAIR

Sasan Etemadi
Southern California Edison

ASSISTANT TECHNICAL PROGRAM CHAIR

Chris Wiegand
Exelon Corporation

TRACK	LEADER	ORGANIZER(S)
ENGINEERING	George Attarian Progress Energy Carolinas	Vann Stephenson Progress Energy Carolinas
EXECUTIVE	Richard Cole FPL Energy	Don Eggett AES Corporation
NUCLEAR KNOWLEDGE MANAGEMENT	Donald Hoffman EXCEL Services Corporation Dan Keuter Entergy Corporation	Vince Gilbert EXCEL Services Corporation
OPERATIONS	Steve Queen Exelon Corporation	Preston Pratt PP&L Susquehanna
OVERSIGHT/QUALITY ASSURANCE	Jeannie Rinckel FirstEnergy Corporation	Jim Fisicaro Nuclear Energy Institute Garry Harris Entergy Horizons Advanced Nuclear Services Mark McBurnett STP Nuclear Operating Company
PERFORMANCE IMPROVEMENT	Mark Reinhart International Atomic Energy Agency	Roman Estrada Nebraska Public Power Bill Corcoran Nuclear Safety Review Concepts Corporation
REGULATORY RELATIONS	Eric Leeds US Nuclear Regulatory Commission	Trent Wertz US Nuclear Regulatory Commission Donna Williams US Nuclear Regulatory Commission
RISK MANAGEMENT	Bob Rishel Progress Energy	J.K. August Core, Inc
WORK MANAGEMENT/ PROJECT MANAGEMENT	Todd Adler Southern California Edison	Chris Vlahoplus ScottMadden
PLENARY SESSION – NEW NUCLEAR	Dave Matthews US Nuclear Regulatory Commission	Donna Williams US Nuclear Regulatory Commission

CONDENSED CONFERENCE SCHEDULE

SUNDAY, AUGUST 2, 2009

TIME	EVENT/SESSION
8:00 A.M.	GOLF TOURNAMENT <i>Bottled Water for the 2009 UWC Golf Tournament Sponsored by Hydroaire Services, Inc. and Invensys Process Systems</i> <i>Beverage and Snack Cart for the 2009 UWC Golf Tournament Sponsored by Coreworx</i> <i>2009 UWC Golf Tournament Awards Luncheon Sponsored by Invensys Process Systems</i>
3:00 P.M. - 7:00 P.M.	MEETING REGISTRATION
6:00 P.M. - 8:30 P.M.	OPENING RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Blended & Frozen Bars Sponsored by AREVA</i> <i>Hot Appetizers Co-Sponsored by Rolls Royce</i> <i>Beer/Wine/Soft Drinks Sponsored by EPM, Inc. (Engineering Planning and Management, Inc.)</i> <i>Action/Carving Stations During the Opening Reception Co-Sponsored by EXCEL Services Corporation</i>
8:30 P.M. - 10:00 P.M.	DESSERT AND CORDIAL RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by Mitsubishi Nuclear Energy Systems, Inc.</i>

MONDAY, AUGUST 3, 2009

TIME	EVENT/SESSION
7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION
7:30 A.M. - 8:30 A.M.	CONTINENTAL BREAKFAST IN THE GRAND PAVILION <i>Co-Sponsored by Bechtel Power Corporation and Enercon Services, Inc.</i>
8:30 A.M. - 12:00 P.M.	OPENING PLENARY SESSION: “The Future Begins...Now!”
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK IN THE GRAND PAVILION <i>Sponsored by AREVA DZ LLC</i>
12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON IN THE VENDOR TECHNOLOGY EXPO <i>Co-Sponsored by URS Washington Division and Westinghouse Electric Company</i>
1:30 P.M. - 5:00 P.M.	TECHNICAL SESSIONS ENGINEERING: “Return to the Basics of Equipment Reliability for Performance Improvement” EXECUTIVE: “Leveraging Half a Century of Nuclear Experience” NUCLEAR KNOWLEDGE MANAGEMENT: “Mining the Riches of Experience with Knowledge Management” OPERATIONS: “Operator Fatigue: How to Manage, Minimize and Eliminate It” OVERSIGHT/QUALITY ASSURANCE: “You Are Now Entering the New Construction Zone!” PERFORMANCE IMPROVEMENT: “Learning Our Way to Excellence: The Value of Operating Experience” REGULATORY RELATIONS: “Preparing for the Digital Evolution”/“Fire Protection Activities for Operating Reactors” RISK MANAGEMENT: “Are You Up to Speed in Risk Management?” WORK MANAGEMENT/PROJECT MANAGEMENT: “Project Management: Getting Your Organization Ready for the Major Leagues”
3:00 P.M. - 3:30 P.M.	AFTERNOON REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO

CONDENSED CONFERENCE SCHEDULE

TUESDAY, AUGUST 4, 2009

TIME	EVENT/SESSION
7:00 A.M. - 8:30 A.M.	SUNRISE BREAKFAST <i>Sponsored by Sargent & Lundy</i>
7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION
8:30 A.M. - 10:00 A.M.	PLENARY SESSION – EXECUTIVE PANEL: “Enduring Values in an Ever-Changing Nuclear World”
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by AREVA DZ LLC</i>
10:30 A.M. - 12:00 P.M.	TECHNICAL SESSIONS ENGINEERING: “Continued Equipment Reliability” NUCLEAR KNOWLEDGE MANAGEMENT: “Making the Case for Uniform Curriculum” OPERATIONS: “From Every Plant: The Best of the Best” OVERSIGHT/QUALITY ASSURANCE: “Hunting Down Counterfeit and Fraudulent Parts” PERFORMANCE IMPROVEMENT: “Corrective Action Programs: The Cornerstone of Continuous Improvement” REGULATORY RELATIONS: “The Fatigue Rule: What’s in Store for the Industry” RISK MANAGEMENT: “Risk Management: A Risk-Free Status Check from the Experts” WORK MANAGEMENT/PROJECT MANAGEMENT: “The People Behind Your Next Major Project”
12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON IN THE VENDOR TECHNOLOGY EXPO
1:30 P.M. - 5:00 P.M.	PLENARY SESSION – NEW REACTOR PROJECT PLANNING: “New Reactors and New Challenges”
3:00 P.M. - 3:30 P.M.	AFTERNOON REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO
5:00 P.M. - 6:30 P.M.	RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Appetizers Sponsored by the Technology Expo Vendors</i> <i>Beer/Wine/Soft Drinks during the Vendor Technology Expo Reception Co-Sponsored by PricewaterhouseCoopers and SAP America, Inc.</i>
7:00 P.M. - 11:00 P.M.	BACK TO THE FUTURE WITH EXCEL <i>Sponsored by EXCEL Services Corporation</i>

WEDNESDAY, AUGUST 5, 2009

TIME	EVENT/SESSION
7:00 A.M. - 11:30 A.M.	MEETING REGISTRATION
7:30 A.M. - 8:30 A.M.	CONTINENTAL BREAKFAST IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by IBM</i>
8:30 A.M. - 12:00 P.M.	TECHNICAL SESSIONS ENGINEERING: “Helping Engineers Shift into New-Build Mode” NUCLEAR KNOWLEDGE MANAGEMENT: “Going Global: Communities of Practice Gain Momentum” OPERATIONS: “Operations Workforce Modeling and Establishing Common Curriculum Programs” OVERSIGHT/QUALITY ASSURANCE: “New Rules for Construction Inspection” PERFORMANCE IMPROVEMENT: “Searching for Breakthroughs in Self-Assessments” REGULATORY RELATIONS: “ESP and COL: What We’ve Learned and How They’ve Changed” RISK MANAGEMENT: “Maintenance Rule Redo” WORK MANAGEMENT/PROJECT MANAGEMENT: “Getting a Handle on Cost Control”
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK (IN THE AMELIA FOYER) <i>Sponsored by Curtiss-Wright Flow Control Company, Nuclear Group (Enertech, Nova, Sciencetech, Trentec)</i>
12:00 P.M. - 1:30 P.M.	WRAP-UP LUNCHEON

CONFERENCE INFORMATION



ACCOMMODATIONS AND HOTEL INFORMATION

The Amelia Island Plantation will be the location for the 2009 Utility Working Conference, where all meeting activities and technical sessions will take place. The 1350 acre property overlooks the blue water of the Atlantic on the east and the green marshland and Intracoastal Waterway on the west.

One of America's few remaining unspoiled island paradises, Amelia Island is the southernmost of the chain of Atlantic coast barrier islands that stretch from North Carolina to Florida.

CONFERENCE REGISTRATION

Registration is required for all attendees and presenters. Badges and tickets are required for admission to all events.

The Conference Registration fee includes one ticket to each of the following events: Sunday Welcome Reception; Monday, Tuesday and Wednesday Luncheons; and a copy of the available meeting materials on a CD-Rom.

NOTE:
Additional tickets can be purchased on-site at the ANS Registration Desk for the Sunday Welcome Reception; Monday, Tuesday and the Wednesday Luncheons.

REGISTRATION HOURS:

You may register, purchase tickets for events, or pick up your registration packet during the following hours:

SUNDAY, AUGUST 2, 2009

3:00 P.M. - 7:00 P.M.

LOCATION: AMELIA FOYER

MONDAY, AUGUST 3, 2009

7:00 A.M. - 12:00 P.M.

LOCATION: GRAND PAVILION

12:00 P.M. - 5:00 P.M.

LOCATION: AMELIA FOYER

TUESDAY, AUGUST 4, 2009

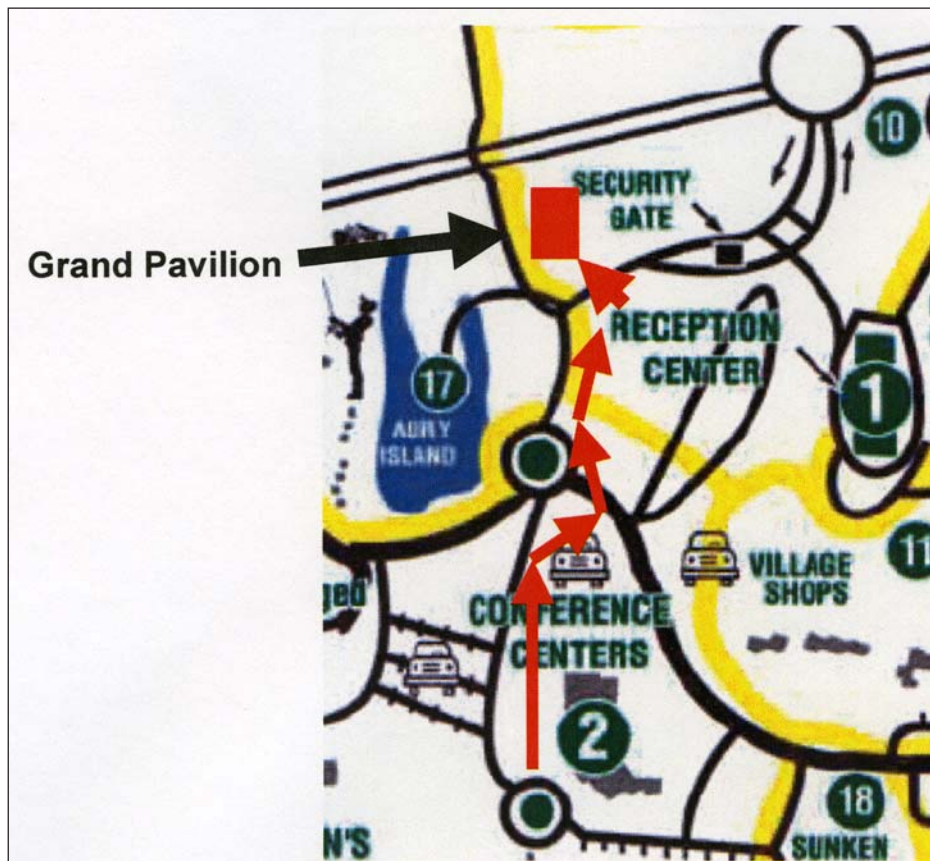
7:00 A.M. - 5:00 P.M.

LOCATION: AMELIA FOYER

WEDNESDAY, AUGUST 5, 2009

7:00 A.M. - 11:30 A.M.

LOCATION: AMELIA FOYER



DIRECTIONS FROM CONFERENCE CENTER TO GRAND PAVILION:

- Exit the main entrance of the conference center
- Turn right and follow walk way along the side of conference center
- At the end of the conference center take the stairs down to Maple Parking Lot
- Across for the parking lot there is a walking path
- Follow the walking path straight ahead

There is signage posted along the way. The Grand Pavilion is the large white climate controlled tent.

For those who need transportation to/from the Grand Pavilion, transportation can be arranged by calling the Transportation Department at extension 5244.

DETAILED CONFERENCE SCHEDULE

BACK TO THE FUTURE

We go *back* to the basics as we explore the fundamentals of nuclear power operations –review what we have done well, our current challenges, and where we need to improve going forward. We will delve into how these fundamentals lead to strong performance and support industry growth through new nuclear plant construction and operation. We will step into the *future* to explore how new nuclear generation is critical to meeting future energy needs and protecting our environment. Join us as we journey *Back to the Future* for nuclear power.

MONDAY AUGUST 3, 2009 • 7:30 AM – 8:30 AM

GRAND PAVILION

Please see the directions from the Conference Center to the Grand Pavilion on page 7.

Breakfast in the Grand Pavilion

Co-sponsored by Bechtel Power Corporation and Enercon Services Inc.

MONDAY MORNING OPENING PLENARY

MONDAY AUGUST 3, 2009 • 8:30 AM – 12:00 PM

GRAND PAVILION

Please see the directions from the Conference Center to the Grand Pavilion on page 7.

Opening Plenary Session:

The Future Begins....Now!

This promises to be a compelling opening plenary session—especially for nuclear executives interested in a “big picture” view of the industry.

After a welcome from General Chair and ANS President, attendees will be treated to a great lineup of speakers whose unique insights will illuminate the challenges and, more importantly, the many unprecedented opportunities awaiting the industry as its leaders and key players take on the future.

GENERAL CHAIR WELCOME/OPENING REMARKS:

Donna Jacobs (*SVP Planning, Development & Oversight, Entergy*)

ANS PRESIDENT REMARKS:

Tom Sanders (*President, American Nuclear Society*)

SPEAKERS:

- Lord Digby Jones Kt (*former Minister of State for Trade & Investment, United Kingdom*)
- The Honorable Joseph Kelliher (*Former FERC Chairman and Commissioner*)
- Dr. Aris Candris (*CEO, Westinghouse*)
- Senator Trent Lott (*former U.S. Senate Majority Leader*)

2009 UWC AWARDS PRESENTATION:

Tom Sanders/Donna Jacobs

- 2009 Utility Achievement Award for Sustained Outstanding Performance: Fort Calhoun Station

For maintaining improved plant operations and reduced personnel exposure and contamination events by proactively implementing design improvements to achieve defect-free fuel performance, and attaining defect-free operation for multiple consecutive fuel cycles.

- 2009 Utility Achievement Award for Sustained Outstanding Performance: South Texas Project

For demonstrating a prolonged dedication to safe and economical nuclear generation as evidenced by achieving a United States operational record for maintaining an ongoing series of breaker-to-breaker operating cycles at Units 1 and 2; for achieving a world-record average load factor at Unit 1; and for attaining record low operating costs among nuclear power plants in the United States.

- 2009 Utility Leadership Award:
Amir Shahkarami (*Senior Vice President, Engineering and Technical Services, Exelon Nuclear*)

In recognition of his many achievements in the areas of nuclear safety and technical leadership for the Exelon nuclear plants; for his extensive involvement with nuclear industry groups including the ANS, NEI, EPRI, and reactor owners groups; for his membership of university advisory boards; and for his wide-ranging international industry involvement.

MONDAY AUGUST 3, 2009 • 10:00 AM – 10:30 AM

GRAND PAVILION

Please see the directions from the Conference Center to the Grand Pavilion on page 7.

Refreshment Break in the Grand Pavilion

Sponsored by AREVA DZ LLC

MONDAY AUGUST 3, 2009 • 12:00 PM – 1:30 PM

AMELIA BALLROOM & FOYER

Walk-Around Luncheon in the Vendor Technology Expo

Co-sponsored by URS Washington Division and Westinghouse Electric Company

MONDAY AFTERNOON TECHNICAL SESSIONS

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM
CONFERENCE 1 & 2

Engineering

Return to the Basics of Equipment Reliability for Performance Improvement

Session Coordinator: Dan Strong

At this Conference, we waste no time getting right down to the nuts and bolts of the industry's operational focus, and one of the most critical aspects is equipment reliability.

In fact, it's time to re-evaluate the basics of the industry's equipment reliability processes and practices. Financial budget pressures and ever-increasing demands of aging plants and equipment can result in overlooking the fundamentals of solid equipment performance.

This session will focus on basic ER processes and actions that plants use to improve performance.

SPEAKERS:

- Back to Basics – System Health Monitoring Program Makeover
Chris Demars (*Sr. Engineer, Exelon Nuclear*)
- Industry ER Improvement
Paul Von Hatten (*Director, ER and Maintenance Supply Strategy Project, Ontario Power Generation*)
- ER Theory Back to Basics and Then On to the Future
Jon Anderson (*President and CEO, Anderson, Chavet & Anderson Inc.*)
- Long Range Planning Overview
Jeffery Carroll (*Sr Consultant, Arizona Public Service*)
Michael Renfro (*Arizona Public Service*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CUMBERLAND B

Executive

Leveraging Half a Century of Nuclear Experience

Session Coordinator: Don Eggett

How do nuclear leaders strike a balance between the priorities of new build and the daily challenges of nuclear plant operations?

You'll find the answers in this session, where high-level representatives from the NRC and the industry share insights on topics driving the next generation of nuclear – based on lessons learned from 50 years of commercial operating experience.

We acknowledge the importance of valuing our new non-licensed and licensed nuclear plant operators and their ability to sustain a strong safety culture within the nuclear operating environment. Their number one job is putting safety first to protect the health and safety of the public.

Therefore, developing our workforce, maintaining effective regulatory oversight, safely improving operating efficiency, and enhancing safety consciousness have become prominent industry objectives.

This session will focus on the lessons learned from these areas shared by senior industry leaders who represent diverse backgrounds, yet all share the same end result: growing the industry in a safe, cost-effective manner to support the energy needs of the nation, while protecting our communities and the environment.

SPEAKERS:

- Timeless Fundamentals of Nuclear Regulation
R. William Borchardt (*Executive Director for Operations, NRC*)
- Risk Analysis for New Nuclear Power Projects
Steve Dean, P.E., ASA (*DAI Management Consultants, Inc.*)
- Fostering a Strong Nuclear Safety Culture
Tom Houghton (*Director, Safety Focused Regulation, NEI*)
- Back to Basics – Focus on People
Mike Meier (*VP Shared Services, STP Nuclear Operating Company*)
- Developing People
John R. McGaha (*COO, Operations, Entergy Nuclear*)
- Investing in Our Assets
Amir Shahkarami (*Sr. VP, Engineering & Technical Services, Exelon Nuclear*)
- Leadership Panel Discussion
Don Eggett, Moderator

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CUMBERLAND A

Nuclear Knowledge Management

Mining the Riches of Experience with Knowledge Management

Session Coordinator: Vince Gilbert

This session will be an excellent primer on a number of critical knowledge-management issues, especially for those involved in new-build projects.

Learning from the past is a fundamental concept of knowledge management – and the key to successful new build in the future. Process management expertise gathered from plant operating experience and benchmarking is now being applied internationally for implementation as “Process-oriented Knowledge Management” (POKM).

Also, NEI is helping re-establish a new plant construction supplier base as an industry project. It includes new plant generic models for the Reactor Island, Turbine Island, Balance of Plant Island and Site Development Island, which will be applied by specific New Plant Consortia.

DETAILED CONFERENCE SCHEDULE

A data base tool is also being developed from the models for use by utility buyers, political decision-makers and NEI member companies. Discussions will include the challenges we face drawing in suppliers to meet stringent nuclear requirements.

SPEAKERS:

- Introduction and Process-oriented Knowledge Management
Vince Gilbert (*CKO, EXCEL Services Corp*)
- NKM Assist Visits Process
Zoltan Pasztory (*NKM Group Unit, IAEA*)
- NEI Supplier Capacity Building Project
Elizabeth McAndrew-Benavides (*Manager, Nuclear Energy Institute*)
- Barriers to Entry in New Nuclear Plant Construction
Gary Gilmartin (*Laboratory Liaison Director, B&W Y-12 LLC, DOE*) and
Chris Martoglio (*Managing Director, The Contract Management Company*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CONFERENCE 3

Operations

Operator Fatigue: How to manage, minimize and eliminate it
Session Coordinators: Preston Pratt, & Mike Spellman

Do you have trouble falling asleep? Have you ever wondered why you still feel tired after a full night's rest? Has fatigue ever affected your performance? If so, then don't oversleep and miss this session.

We will explore the many aspects of fatigue and its affect on the body. We'll hear industry expertise in the area of fatigue and fatigue management. We'll hear about new industry regulation on fatigue and why it is necessary.

You will leave with a greater understanding of fatigue. You will understand why fatigue is important. And, best of all, you will learn how to manage, minimize and eliminate fatigue in your life.

SPEAKERS:

- Fatigue Management
Michael Cheok (*Deputy Director, Nuclear Regulatory Commission*)
- Minimizing Operational Fatigue Through Bicompatible Shift Scheduling
Bill Sirois (*Senior VP & COO, Circadian Technology*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

OSSABAW

Oversight/Quality Assurance

You Are Now Entering the New Construction Zone!

Session Coordinator: Jim Fiscaro

Before embarking on a new-build project, nuclear leaders need to make this session a priority! They'll hear fresh insights, real-time experience and lessons learned from the industry's new-build experts.

During the initial construction of nuclear power plants, the industry learned a number of lessons that have been critical in improving the current new-build effort. The same thing is happening now as new construction efforts pop up around the globe.

This session will reveal what is being planned from an industry perspective and how we can enrich and accelerate learning by studying past and present construction experiences.

SPEAKERS:

- NEI New Plant Quality Assurance Task Force Evaluation for Lessons Learned
Kerry Rhoads (*Nuclear Specialist - Nuclear Oversight, Dominion*)
- Key Lessons Learned from New Plant Construction Benchmarking and Construction Experience
Jim Maddox (*Director, INPO New Plan Deployment and Special Projects*)
- NRC Perspective Dealing with Construction Experience and Lessons Learned
Omid Tabatabai (*NRC Construction Experience Coordinator*)
- TVA Lessons Learned During Restart of Browns Ferry and Planned Watts Bar
Raul Barron (*TVA Project Nuclear Assurance Manager WBN Unit 2*)
- Applying Construction Experience as an Engineering, Procurement and Construction Contractor
John Mohr (*General Manager – Quality Assurance Mitsubishi Nuclear Energy Systems*)
- Applying Construction Experience as an Engineering, Procurement and Construction Contractor
Tom Mudge (*Nuclear Quality Manager URS Washington Division*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CONFERENCE 4 & 5

Performance Improvement

Corrective Action Programs: The Cornerstone of Continuous Improvement

Session Coordinator: William Copeland

Whether you operate a plant or you're gearing up to build a new one, the corrective action program (CAP) is the fundamental cornerstone for continuous plant performance improvement.

At the onset of the nuclear renaissance, this is both a unique opportunity and an essential success path to introduce and sustain a strong CAP culture.

Across the industry, CAP has evolved far beyond the basic requirements of 10 CFR50 Appendix B Criteria 16, to become a true performance improvement process that promotes a self-critical and self-identifying culture.

A well-implemented CAP program becomes core business for plant employees and serves as the vehicle to enable a strong nuclear safety culture.

DETAILED CONFERENCE SCHEDULE

SPEAKERS:

- Construction CAP Program – Lessons Learned
Chet Rowe (*President, Excellence Engine*)
- Trending Safety Culture in CAP
Roman Estrada (*Manager, Corrective Action and Assessment, NPPD*)
- Making Performance Improvement “Core Business”
Charlie Brooks (*Assistant Performance Improvement Manager, INPO*)
- Establishing Fleet-Wide Root Cause Evaluator Model
William Copeland (*PI Supervisor, Southern Nuclear Company*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CUMBERLAND C

Regulatory Relations

Preparing for the Digital Evolution

Session Coordinator: Donna Williams

Digital is the wave of the future. But is the industry ready for the hurdles ahead? This session will break down the real regulatory challenges facing operating fleets and new-build projects as their leaders navigate digital retrofits to existing facilities and design digital systems for new plants.

It will also cover NRC staff's experience and lessons learned from recent licensing reviews of digital safety system upgrades, including “first of a kind” system designs being proposed for both operating and new plants.

Participants will hear a brief history of NRC staff guidance regarding licensing reviews of I&C systems and interim guidance developed for several key digital I&C systems, including cyber security, diversity and defense in depth (D3) risk-informed digital I&C, highly integrated control room communications and human factors, licensing process and fuel cycle facilities.

SPEAKERS:

- Digital I&C Licensing Process
David Skeen (*Deputy Director, DE/NRR, NRC*)
- Regulatory Review and Approval of Digital Upgrades, Lessons Learned
William Kemper (*Chief, I & C Branch, DE/NRR, NRC*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

CUMBERLAND C

Regulatory Relations

Fire Protection Activities for Operating Reactors

Session Coordinator: Donna Williams

This session will provide NRC and NEI perspectives on the evolution of fire protection issues and highlight lessons learned and accomplishments in stabilizing the regulatory infrastructure for fire safety.

Participants will also discuss recent developments and how best to leverage risk-informed, performance-based regulatory framework/tools such as fire models and fire PRAs.

SPEAKERS:

- Fire Protection Activities for Operating Reactors
Sunil Weerakkody (*Deputy Director – Fire Protection, DRA/NRR, NRC*)
- Fire Protection – Past, Present and Future
Alex Marion (*Vice President, Nuclear Operations, NEI*)

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

TALBOT

Risk Management

Are You Up to Speed in Risk Management?

Session Coordinator: Bob Rishel

Risk management is one of the industry's hottest topics – and recent events and lessons learned help shed new light on best practices. Whether your interest lies in the regulatory or operational arena, this session is a must for those seeking timely, in-depth guidance on risk management based on the industry's latest events.

Topics are expected to range from process improvements in common risk-management tasks to novel approaches for license change submittals and reducing plant risk.

Participants will also be asked to identify areas for improvement planned for the coming year. Special provisions will be made in the poster session portion for surrogate participation of plants that cannot send spokespersons.

Participants will discuss shutdown and low-power risk as observed from the perspectives of INPO and the NRC, including areas for improvement.

SPEAKERS:

- Improving Shutdown Safety
Alan Smith (*Program Manager, Maintenance, and Outage Scheduling, INPO*)
- Development of a Standard for Qualitative Risk Assessment (QLRA) as Applied to Configuration Risk Management During Low Power and Shutdown Conditions
Donald Wakefield (*Senior Consultant, ABS Consulting, Inc.*)
- Significant Unexpected Differences in the Peer Review Experience
Bob Rishel (*Manager, Probabilistic Risk Assessment, Progress Energy*)
- Interface Between Emerging PRA Issues for MSPI
Roy Linthicum (*Sr. Staff Engineer, Corporate Risk Management, Exelon Nuclear*)

DETAILED CONFERENCE SCHEDULE

POSTERS:

- Progress Energy (BNP, CR3, HNP, RNP)
Harold Stiles
- Florida Power & Light (Turkey Point, St. Lucie)
Ching Guey
- Exelon (Braidwood, Byron, Dresden, LaSalle, Limerick,
Peach Bottom, Quad Cities)
Alex Knoll
- Duke (McQuire, Catawba, Oconee)
Bryan Carroll

MONDAY AUGUST 3, 2009 • 1:30 PM – 5:00 PM

SAPELO

Work Management/Project Management

Project Management: Getting Your Organization Ready for the Major Leagues

Session Coordinator: Todd Adler

No matter where you are in the nuclear leadership chain, this session will make sure you're prepared for the next big project – whether it's a major modification or new construction.

This session will focus on the organizational and process impacts of implementing major projects at a nuclear power station.

In addition to the organizational roles and responsibilities, leaders must consider the project's impact on the station's infrastructure and existing workforce.

Participants will discuss lessons learned from recently completed and ongoing projects to provide attendees with real-life examples of the types of issues and management strategies that need to be highlighted during the project planning phase.

SPEAKERS:

- Planning Milestones to Transition a Unit from Commissioning to Available for Service
Malcolm Lightfoot (*Manager, Bruce A Restart, Bruce Power*)/
Don Holme (*Operations Manager, Bruce Power*)
- Importance of Diligent Planning for Major Construction Projects – Steam Generator Replacement
James Terry, Jr. (*Major Project Manager, Crystal River 3 - Progress Energy*)
- 3D Modeling and Simulations in Support of Reactor Coolant Pump Motor Replacement at Waterford 3
Chris Staubus (*General Manager of Utility Services, BCP Engineering & Consultants*)/
John Mahoney (*Leader Innovations, Entergy Services, Inc.*)

MONDAY AUGUST 3, 2009 • 3:00 PM – 3:30 PM

AMELIA BALLROOM & FOYER

Afternoon Refreshment Break in the Vendor Technology Expo

TUESDAY AUGUST 4, 2009 • 7:00 AM – 8:30 AM

OCEANVIEW ROOM (*Located on the lower level of the Amelia Inn*)

Sunrise Breakfast

Sponsored by Sargent & Lundy

TUESDAY MORNING PLENARY SESSION

TUESDAY AUGUST 4, 2009 • 8:30 AM – 10:00 AM

GRAND PAVILION

Please see the directions from the Conference Center to the Grand Pavilion on page 7.

Plenary Session – Executive Panel

Enduring Values in an Ever-Changing Nuclear World

Session Coordinator: Don Vinci

In the fast-paced world of nuclear leadership, taking your eye off the ball for just one moment can spell the difference between success and setback.

This special executive panel comprising industry CNOs and top NEI and NRC executives will discuss challenges in the context of new-build opportunities that can divert attention, resources and interest away from the overriding priority and importance of safe, reliable power plant operations.

This session will help sharpen your focus and ensure that leaders are “in the know” about key issues and challenges facing today's operating fleet.

SPEAKERS:

- View from the Top – Maintaining Existing Fleet Operational Focus During New Construction
Jeff Gasser (*CNO Southern Company*)
- NEI perspectives – Dealing with Today's Operational Challenges and Advancing the Future of New Nuclear
Tony Pietrangelo (*CNO, NEI*)
- View from the Top – Managing Uncertainty and Closing Issues
Mike Kansler (*CNO Entergy*)
- Enduring Values for Effective Regulation
R. William Borchardt (*EDO, NRC*)

TUESDAY AUGUST 4, 2009 • 10:00 AM – 10:30 AM

AMELIA BALLROOM & FOYER

Refreshment Break in the Vendor Technology Expo

Sponsored by AREVA DZ LLC

DETAILED CONFERENCE SCHEDULE

TUESDAY MORNING TECHNICAL SESSIONS

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

CONFERENCE 1 & 2

Engineering

Continued Equipment Reliability

Session Coordinator: Dan Strong

When it comes to equipment reliability, there's no such thing as too much information! The industry has been working on ER for years, and some plants have been more successful in their results than others. This session will focus on successful examples of ensuring solid ER results for the future, as well as new concepts to make the next major leap in ER.

SPEAKERS:

- Improving Outage Effectiveness
Alan Smith (*Manager, Maintenance and Work Management, INPO*)
- Westinghouse AP1000 Power Production Reliability Classification Methodology
Matt Evans (*Nuclear Systems Engineer, Westinghouse Electric Company*)

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

CUMBERLAND A

Nuclear Knowledge Management

Making the Case for Uniform Curriculum

Session Coordinator: Elizabeth McAndrew-Benavides (NEI)

Whether you lead a nuclear company or work inside a nuclear plant, this session will equip you with valuable industry insights. The two case studies in this session illustrate the benefits gained from the Uniform Educational Curriculum by applying industry educational expectations from NEI and INPO to 42 participating educational institutions.

SPEAKERS:

- Introduction for a Nuclear Uniform Curriculum Panel Discussion and Interactive Activity
Elizabeth McAndrew-Benavides (*Manager, Industry Infrastructure, NEI*)
- Panel Member Remarks
James Auld (*JD, Florida Power & Light*)
- Panel Member Remarks
Dee Torres (*Recruiter, Exelon*)
- Panel Question and Answer Session about Grants Process
All Attendees

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

CUMBERLAND FOYER

Operations

From Every Plant: The Best of the Best—Poster Session

Session Coordinator: Steve Queen

This session will give you insight into new and exciting themes across the industry.

Individuals from a diverse group of plants will present initiatives that are having the greatest impact on their Operations Departments.

It's a "gold mine" of ideas.

POSTER SESSION

Individual Site Representative

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

OSSABAW

Oversight/Quality Assurance

Hunting Down Counterfeit and Fraudulent Parts

Session Coordinator: Garry Harris

Welcome to "Law and Order: The Nuclear Chronicles" for parts control! Scene 1: Insights into possible sources, establishing preventive barriers and effective remedies for excluding fraudulent parts and components in both safety and non-safety related applications and systems. It features speakers from the NRC, NUPIC and the Department of Justice. Action!

SPEAKERS:

- NRC Perspective on the Industry's Vulnerability to Counterfeit and Fraudulent Parts
John Nakoski (*US NRC NRO*)
- NUPIC Summary of Initial Audits Performed To-Date Using the Revised Checklist to Audit Suppliers
Eugene Wasson (*Principle Quality Analyst, Constellation Energy*)
- Experience and Related Cases Concerning Counterfeit in Other Industries and Prevalence of Issues and Problems
Robert Rzepka (*US NRC, Field Office Director, Office of Investigations*)

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

CONFERENCE 4 & 5

Performance Improvement

Learning Our Way to Excellence: The Value of Operating Experience

Session Coordinator: Allen Smith

Don't let a lack of Operating Experience hold your organization back. Learn how the nation's top nuclear fleets use OE to drive continuous learning and improvement.

DETAILED CONFERENCE SCHEDULE

In this session, speakers from prominent nuclear operating companies and INPO talk about what it takes to get to a higher level of performance by sharing and learning from Operating Experience.

SPEAKERS:

- The Risk of Not Using OE: A Fleet Solution
Alan Ettliger (*Manager, Fleet CAP/OE, Entergy Nuclear*)
- Improving Industry Use of Key Operating Experience
Rick Nielson (*Manager, Events Analysis Dept., INPO*)
- Duke OE Program Improvement Initiative
Allen Smith (*Manager Performance Improvement, Duke*)

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

CUMBERLAND C

Regulatory Relations

The Fatigue Rule: What's in Store for the Industry

Session Coordinator: Donna Williams

The new Fatigue Rule will have a profound impact on the nuclear industry. Is your organization prepared for the changes in store?

Find out in this session, where you'll hear an update on Fatigue Rule implementation efforts across the industry, including pilot plant results, proposed NRC inspection guidance and frequently asked questions.

SPEAKERS:

- Managing Fatigue Status (10 CFR Part 26 Subpart 1)
Michael Cheok (*Deputy Director, DIRS/NRR, NRC*)
- Fatigue Rule Implementation Insights
Donna Alexander (*Regulatory Affairs Engineer, Nuclear Operations, Progress Energy*)

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

TALBOT

Risk Management

A Risk-Free Status Check from the Experts

Session Coordinator: J. K. August

In this session, the industry's risk-management experts cover PSA staffing issues, lack of experienced PRA practitioners and the continual increase in risk applications. Selection of risk applications and the payback in reduced O&M for these applications and required resources wither as a short term or continual need.

The panel will highlight existing staffing, training programs and model configuration control while supporting new and existing applications.

SPEAKERS:

- Status of Risk-Informed Tech Spec Initiatives and Issues Affecting Further Adoption
Brian Mann (*VP Industry Programs, Excel Services*)
- Fleet PRA Staffing Challenges
Ching Guey (*PRA Manager, Florida Power & Light*)
- Training Issues for Seismic PRA
Ken Canavan (*Sr. Program Manager, EPRI*)

TUESDAY AUGUST 4, 2009 • 10:30 AM – 12:00 PM

SAPELO

Work Management/Project Management

The People Behind Your Next Major Project

Session Coordinator: Todd Adler

Who's building the next big project at your site – and do you know how to connect with them?

Traditional approaches to mobilizing new workers, including training and integration with the existing station standards and expectations, may not be as effective as needed to ensure efficient project deployment.

Language barriers, coupled with an increased emphasis on standards for quality and human performance, mandate a new approach to workforce management for major projects.

Session speakers will discuss successful and not-so-successful approaches to dealing with workforce issues during plant modification efforts.

SPEAKERS:

- Panel Discussion – Preparing Your Station for the Physical and Cultural Impacts of Major Project Implementation
Bill Flannagin (*Senior Project Management Consultant, Black Diamond Associates*)

TUESDAY AUGUST 4, 2009 • 12:00 PM – 1:30 PM

AMELIA BALLROOM & FOYER

Walk-Around Luncheon in the Vendor Technology Expo

DETAILED CONFERENCE SCHEDULE

TUESDAY AFTERNOON PLENARY SESSION

TUESDAY AUGUST 4, 2009 • 1:30 PM – 5:00 PM

CUMBERLAND BALLROOM

Plenary Session – New Reactor Project Planning New Reactors and New Challenges

Session Leader: David Matthews;

Session Coordinator: Donna Williams

ANS has devoted an entire afternoon to this session, led by commercial and regulatory leaders who are pioneering new-build efforts for the nuclear industry.

The rapidly evolving business plans of entities that are planning new reactor projects have challenged the NRC to revise licensing plans and strategies in response to these evolutions.

At the same time, nuclear projects with strong near-term construction intentions (i.e., those that are most likely to begin safety-related construction in 2011 and 2012) will require NRC inspection and related support infrastructure (e.g., resident inspectors, operator license examiners, simulators) to be in place on a schedule that will support their plans.

Close coordination between the NRC and project sponsors is needed at every step of the process leading to potential commercial operation dates.

With this in mind, NRC and industry participants will address the challenges faced to-date in planning and executing several of these new reactor projects.

SPEAKERS:

- New Reactor Project Planning – Maximizing Opportunities for Success
Michael Johnson (*Director, Office of New Reactors, NRC*)
- New Reactor Project Planning Challenges – Southern Nuclear's Perspective
J. A. "Buzz" Miller (*Executive Vice President, Southern Nuclear Operating Company, Inc.*)
- New Reactor Project Planning Challenges – STP's Perspective
Kevin Richards (*Senior Vice President, South Texas Projects Units 3 & 4, South Texas Nuclear Operator Company*)
- New Reactor Project Planning Challenges – UniStar's Perspective
George Vanderheyden (*President and CEO, UniStar Nuclear Energy*)

TUESDAY AUGUST 4, 2009 • 3:00 PM – 3:30 PM

AMELIA BALLROOM & FOYER

Afternoon Refreshment Break in the Vendor Technology Expo

TUESDAY AUGUST 4, 2009 • 5:00 PM – 6:30 PM

AMELIA BALLROOM & FOYER

Reception in the Vendor Technology Expo

Appetizers Sponsored by the Technology Expo Vendors

Beer/Wine/Soft Drinks Co-Sponsored by PricewaterhouseCoopers and SAP America, Inc.

TUESDAY AUGUST 4, 2009 • 7:00 PM – 11:00 PM

OCEANVIEW ROOM

Back to the Future with EXCEL

Sponsored by EXCEL Services Corporation

WEDNESDAY AUGUST 5, 2009 • 7:30 AM – 8:30 AM

AMELIA BALLROOM & FOYER

Breakfast in the Vendor Technology Expo

Sponsored by IBM

WEDNESDAY MORNING TECHNICAL SESSIONS

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

CUMBERLAND B

Engineering

Helping Engineers Shift into New-Build Mode

Session Coordinator: Vann Stephenson

Engineers face special challenges in the world of new build. As utilities embark on new plant construction, the engineering resources needed to support various phases of design project management and construction will evolve. This session will focus on the issues involved in the engineering function lifecycle, from early, new-build projects to full operational readiness.

SPEAKERS:

- The Transition of an EPC New Build Engineering Organization
Vann Stephenson (*Engineering Manager Nuclear Plant Development, Progress Energy*)
- A Builders Group Approach to Standard Plant Designs
Doug McComb (*Engineering Manager, Southern Company*)
- AP1000 Design Center Integration
Peter Hastings (*Licensing Manager, Duke Energy*)/
Eddie Grant (*Licensing, NuStart*)
- NRC – New Plant Engineering Overview
Tom Bergman (*Director Division of Engineering, NRC*)
- INPO's Role in New Plant Engineering
Jim Maddox (*Director New Plant Deployment & Special Projects, INPO*)

DETAILED CONFERENCE SCHEDULE

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

CUMBERLAND A

Nuclear Knowledge Management

Going Global: Communities of Practice Gain Momentum

Session Coordinator: Vince Gilbert

This session will introduce participants to a new phenomenon transforming the world of nuclear knowledge management. The nuclear industry has used knowledge management and cross-company sharing aggressively beginning after the TMI-2 reactor accident. This gradually became a more institutionalized method through INPO Operating Experience, Reactor Owners Groups, Task Forces, Working Groups, EPRI projects and Special Issue Groups. Beginning in 2000, industry standard business process support groups called "Communities of Practice" emerged with formally chartered roles for U.S. utilities. These organizations have increasingly taken on a more global role, including a new CoP for NKM sponsored by the IAEA. Several CoP case studies will be presented to demonstrate the global value of CoPs.

SPEAKERS:

- Fire Protection CoP
Vern Patton (*Fire Marshall, Davis-Besse, FENOC*)
- EUCG Cost and Performance Data- International Participation and New Committees
Stephen J. Saunders (*EUCG Director, TVA*), Invited
- International Atomic Energy Agency NKM Global CoP
Zoltan Pasztory (*NKM Unit, IAEA*)
- Engineering/Work Management Interface Initiatives
Todd Adler (*Manager, Engineering Programs, SONGS, Southern California Edison*)
- Community of Practices Interfaces
Paul Von Hatten (*Director, ER and MSSP, Ontario Power Generation*)

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

CONFERENCE 1 & 2

Operations

Operations Workforce Modeling and Establishing Common Curriculum Programs

Session Coordinators: Preston Pratt & Mike Spellman

In the first half of the morning, we will answer the questions "how many?" and "how often?" for the workforce planner. The speakers represent organizations that are using a novel methods of modeling needs of an operations workforce. The focus will be on the method of determining current and future hiring needs and move away from the reactive mode of hiring as needed and then training/licensing as you can.

The second half of the morning will answer "from where will they come?" Again, the speakers are leaders in the industry actively involved in establishing Common Curriculum training programs and partnerships with local community colleges that will support not only the continued operation of the existing fleet but also manning for new construction.

SPEAKERS:

- Operations Workforce Planning Using Dynamic Simulations: "The Tank Model"
John Wheeler (*Nuclear Workforce Planning, Entergy Nuclear*)
- Practical Application Utilizing "The Tank Model"
Dave Pitsley (*Fleet Operations Manager, Progress Energy*)
- Operations Workforce Forecasting at Dominion
Lisa Stiles (*Project Manager, Dominion*)
- Developing Local Talent in Southwestern Michigan Lake Michigan College Energy Degree Program
Steven Martin (*Superintendent Operations Initial Training, Entergy Nuclear*)
- Development of the Texas Nuclear Workforce
Clarence Fenner (*Workforce Development Coordinator, South Texas Project Nuclear Operation Company*)

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

OSSABAW

Oversight/Quality Assurance

New Rules for Construction Inspection

Session Coordinator: Mark McBurnett

This session will be an eye-opening experience for anyone involved in new construction – particularly those in QA and inspection roles.

Speakers will focus on the processes and coordination required between the NRC and the Utility/Engineering Procurement and Construction Companies to effectively complete ITAAC (Inspections, Tests, Analysis, and Acceptance Criteria) and construction inspection activities.

ITAAC and construction inspection are complex, diverse, and time-critical activities that must be well managed and closely coordinated for successful completion of new nuclear facility construction. ITAAC in particular is unique to licensing under 10CFR Part 52 and is being implemented for the first time.

The session will be a panel discussion format with a presentation from each member followed by a panel discussion and questions and answers.

DETAILED CONFERENCE SCHEDULE

SPEAKERS:

- NRC Inspection During Construction
Luis Reyes (*NRC, Regional Administrator, Region II*)
- Utility Inspection During Construction
Alan Torres (*SCANA Manager of Construction VC Summer Units 2 & 3*)
- ITAAC Inspection and Closure
Glenn Tracy (*NRC, Director of Division of Construction Inspection and Operational Programs*)
- Utility Inspection of ITAAC Compliance
Steve Blossom (*STPNOC, Startup Manager*)

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

CONFERENCE 4 & 5

Performance Improvement

Searching for Breakthroughs in Self-Assessments

Session Coordinator: Roman Estrada

This is perhaps one of the most challenging and controversial sessions in this year's conference. That's because it cuts to the core of the industry's self-evaluation philosophy.

The reality is that current industry self-assessment processes provide little opportunity to explore, create, innovate, and learn.

Are we only improving current station processes, or are we also willing to explore ways of aligning station management with alternative views or to understand site culture impacts? Have we learned how to see?

Nuclear power plants may have lost the vision of what can be achieved with self-assessment processes and become overly focused on regulator and industry group viewpoints. This session will explore the deeper purpose of organizational self-assessment and spark a rethinking of the self-assessment process within the nuclear industry.

SPEAKERS:

- Organizational Sustaining Systems and How They Drive Safety Performance
Don Groover (*Vice President, BST Solutions*)
- Fostering a Strong Nuclear Safety Culture
Tom Houghton (*NEI*)
- USA Model for Assessing Site Safety Culture
Rick Burnside (*Program Manager, USA Fleet NSCA, PG&E, Diablo Canyon*)
- Integrated Approach to Self Assessment and Benchmarking
William Copeland (*PI Supervisor, Southern Nuclear Company*)
- Durable Corrective Actions
Dana E. Cooley (*President, SeaStates Group, Inc.*)

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

CUMBERLAND C

Regulatory Relations

ESP and COL: What We've Learned and How They've Changed

Session Coordinator: Scott Flanders

For industry executives and new-build leaders alike, this session will reinforce the fact that there's nothing more helpful than real-time feedback from the regulator.

The NRC has completed three early site permits (ESPs) and, in the last year, initiated the review of 17 combined license (COL) and two Limited Work Authorization (LWA) applications. From these reviews, the NRC staff and industry have gained valuable insights that could potentially increase the efficiency of ongoing and future reviews.

During this session, NRC staff and industry will offer insights into key processes and issues that have affected COL and ESP siting and environmental reviews. The focus will be on near-term implementation activities as some of the current reviews progress from licensing to the next phase of construction, and longer-term activities associated with the potential submittal of next wave of applications.

For example, perspectives on the implementation of recently revised LWA rule and siting-related ITAACs (Inspections, Tests, Analysis, and Acceptance Criteria) could provide valuable insights to near-term activities and decisions. The longer-term focus will be on incorporating lessons learned in the future site-selection process, quality of applications, stakeholder interactions, and regulatory processes and guidance.

SPEAKERS:

- ESP and COL Siting Safety Reviews: NRC Staff Insights
Rebecca Karas (*Chief, Geosciences and Geotechnical Engineering Branch, Division of Site and Environmental Reviews, NRO/NRC*)
- Insights from NRC Environmental Reviews of COL Applications
Andrew Kugler (*Project Manager, Geoscience and Geotechnical Engineering Branch, Senior Environmental Reviewer, Division of Siting and Environmental Reviews, NRR/NRC*)
- UniStar Fleet Experience with Environmental Siting and Licensing
Greg Gibson (*Vice President, UniStar Nuclear Energy*)
Dimitri Lutchenkov (*Director, Environmental Affairs, UniStar Nuclear Energy*)
- Part 52 Licensing Process and Insights
Kimberly Keithline (*Sr. Project Manager, NEI*)

DETAILED CONFERENCE SCHEDULE

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

TALBOT

Risk Management

Maintenance Rule Redo?

Session Organizer: Harold Stiles

From risk-management experts to industrial safety specialists, the practical advice offered in this session will appeal to a broad range of interests.

Presenters will cover the increased demands on risk assessment for the Maintenance Rule (a)(4) process.

Of particular concern are the topics of heavy load lifts, switchyard work, heavy equipment and potential adverse effects on plant operations and the pending NRC requirement to evaluate fire risk in the (a)(4) process.

SPEAKERS:

- Managing the Risk of Turbine Missiles in a Nuclear Power Plant
Dr. Alex Knoll (*Site Risk Management Program Manager, Peach Bottom Generating Station*)
- Heavy Loads: Developing an Industry Approach for Assessing and Managing Risk
Anees Farruk (*Southern Company*)
Thomas A. Morgan (*President & Executive Consultant, Maracor Software & Engineering*)
- Heavy Lift Experience at Duke Energy
Bryan Carrol (*Sr. Engineer, Duke Energy*)

Panel: Incorporating Fire Into Maintenance Rule (a)(4)

PANELISTS:

- Tony Pietrangelo (*CNO, NEI*)
- Bryan Carrol (*Sr. Engineer, Duke Energy*)
- Thomas A. Morgan (*President & Executive Consultant, Maracor Software & Engineering*)
- Bob Rishel (*Manager, Probabilistic Risk Assessment, Progress Energy*)

WEDNESDAY AUGUST 5, 2009 • 8:30 AM – 12:00 PM

SAPELO

Work Management/ Project Management

Getting a Handle on Cost Control

Session Coordinator: Todd Adler

In these increasingly cost-conscious times, project managers can't afford to be slack in the area of cost management.

Historically, experience has shown that performance in this area has been mixed or poor, particularly in predictability of final project cost.

In this session, we will share cost control methodologies that are providing better cost management, including initial cost estimates and cost controls.

SPEAKERS:

- Project Estimating using Quantitative Risk Analysis
Tim Schlimpert (*Vice President, MCR*)
- Project Controls at Fermi 2
Chuck Wolfe (*Manager Nuclear Projects and Modifications, Fermi 2*)

WEDNESDAY AUGUST 5, 2009 • 10:00 AM – 10:30 AM

AMELIA FOYER

Refreshment Break

Sponsored by Sponsored by Curtiss-Wright Flow Control Company, Nuclear Group (*Enertech, Nova, Scientech, Trentec*)

WEDNESDAY AUGUST 5, 2009 • 12:00 AM – 1:30 PM

AMELIA 4

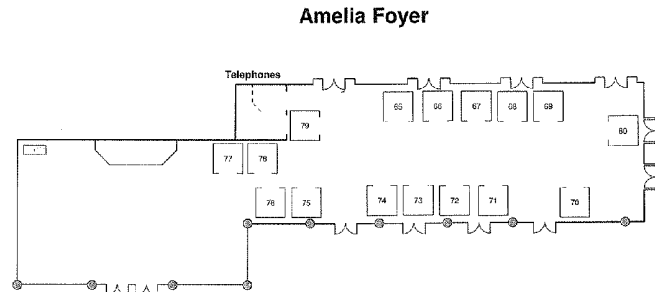
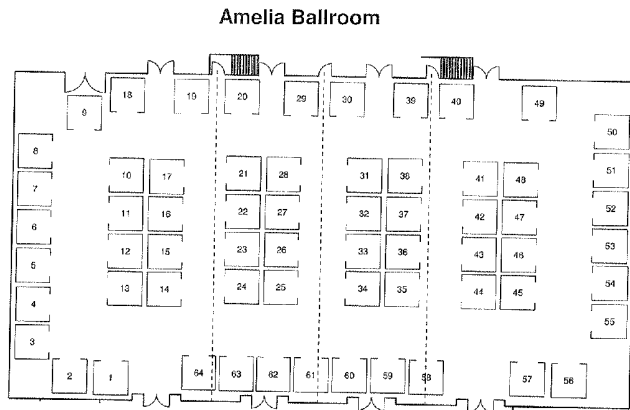
Wrap-Up Luncheon

WEDNESDAY AUGUST 5, 2009 • 1:30 PM – 3:00 PM

TALBOT

2010 UWC Organizing Committee Meeting

VENDOR TECHNOLOGY EXPO: FLOOR PLANS



2009 Utility Working Conference Technology Expo Hours

Sunday, August 2, 2009

6:00 p.m. – 9:00 p.m. 2009 UWC Opening Reception & Dessert and Cordial Reception
 9:00 p.m. Closed

Monday, August 3, 2009

**Please note: The Monday Breakfast, co-sponsored by Bechtel Power Corporation and Enercon Services, Inc., the Opening Plenary Session, and the Mid-Morning Refreshment Break, sponsored by AREVA DZ LLC, will take place in the Grand Pavilion, a climate controlled tent, located within walking distance from the Amelia Conference Center. The Vendor Technology Expo will officially open at 12:00 p.m. for the Expo Luncheon.*

*7:30 a.m. – 12:00 p.m. Monday Breakfast, Opening Plenary Session, Mid-Morning Refreshment Break
 12:00 p.m. – 1:30 p.m. Luncheon in the Vendor Technology Expo
 3:00 p.m. – 3:30 p.m. Refreshment Break in the Vendor Technology Expo
 5:00 p.m. Closed

Tuesday, August 4, 2009

**Please note: The Sunrise Breakfast, sponsored by Sargent & Lundy, 7:00 a.m. – 8:30 a.m., will take place in the Oceanview Room, located on the lower level of the Amelia Inn. ** The Executive Panel Session, 8:30 a.m. – 10:00 a.m., will take place in the Grand Pavilion. The Vendor Technology Expo will officially open at 10:00 a.m. for the Mid-Morning Refreshment Break, sponsored by AREVA DZ, LLC.*

*7:00 a.m. – 8:30 a.m. Sunrise Breakfast in the Oceanview Room
 ** 8:30 a.m. – 10:00 a.m. Executive Panel Session
 10:00 a.m. – 10:30 a.m. Mid-Morning Break in the Vendor Technology Expo
 12:00 p.m. – 1:15 p.m. Luncheon in the Vendor Technology Expo
 1:15 p.m. – 5:00 p.m. Closed
 5:00 p.m. – 7:00 p.m. Reception and Raffle in the Vendor Technology Expo
 7:00 p.m. Closed

Wednesday, August 5, 2009

7:30 a.m. – 8:30 a.m. Breakfast in the Vendor Technology Expo

TECHNICAL EXHIBITORS

We would like to extend a special thanks to the following organizations who have made an outstanding contribution to the success of the

2009 UTILITY WORKING CONFERENCE VENDOR TECHNOLOGY EXPO

Alaron Nuclear Services, Loveland, OH

BOOTH # 49

Alaron Nuclear Services is a multi service provider to the nuclear industry including; equipment storage, facility-space leasing, spent fuel cask maintenance and storage, waste processing, asset recovery, service level one coatings, qualified welding program, transload (truck to rail), and refurbishment of both safety and non-safety related components (pumps, motors, equipment).

Alaron is licensed by the State of Pennsylvania.

Alphasource, Inc., Philadelphia, PA

BOOTH # 51

Alphasource is a leading custom manufacturer and distributor of quality FME/FOD maintenance and safety supplies for the Nuclear Industry. Our state-of-the-art, patent pending Toolsaver SmartCart RFID System is designed specifically with the needs of Nuclear Power Generation Specialists in mind and provides unparalleled asset tracking and loss minimization solutions. We offer our award-winning Complete FME/FOD Turnkey Program, Tarps and Protective Covers, Safety and Decon. Supplies, Spill Control Products and Nuclear Grade Wiping Cloths Program. Our products are field-proven, backed by three generations of practical experience, and our quick turnaround capabilities ensure your compliance needs are satisfied.

American Crane & Equipment Corp., Douglassville, PA

BOOTH # 60

American Crane and Equipment Corp (ACECO) is a leading provider of cranes, hoists, and specialized lift systems for the commercial nuclear industry. ACECO has all the in-house capabilities to provide the cranes, custom components, and materials needed for new plant construction. ACECO has significant experience supplying safety related single failure proof replacement cranes and trolleys for dry spent fuel storage operations. ACECO has performed upgrades of a variety of nuclear plant cranes, including reactor building and turbine cranes. ACECO has a full-time service group to perform maintenance of plant cranes.

ATF Nuclear, Inc., Cleveland, OH

BOOTH # 44

The American Tank & Fabricating Company has earned a reputation for high quality and excellent service by providing reliable steel solutions to customers since 1940. We offer a unique combination of equipment capabilities, professional staff and quality systems that make us your best choice for nuclear components and materials. Quality systems include: ASME NQA-1, N, NPT, NS, N3, U, U2 & S, NIAC audited. Materials fabricated and supplied include: carbon, stainless, alloy, armor, titanium, zirconium and other advanced materials.

Anderson, Chavet and Anderson Inc. (ACA), Avondale, AZ

BOOTH # 55

ACA is an equipment reliability consulting company. ACA is dedicated to assisting owners, managers and operators of physical assets to become the best they can be. ACA assists with the development and implementation of the integrated lean processes, software applications and people leadership and team building skills necessary to support sustainable excellence in equipment reliability and plant performance.

Aquilex WSI Nuclear Services, Atlanta, GA

BOOTH # 9

Nuclear Services that reduce Dose, Duration and Dollars

Aquilex WSI Nuclear Services is the field services leader in advanced, engineered welding solutions. We provide valve, welding and machining expertise; computer mapping; an integrated repair plan; all delivered by a highly-trained and specialized workforce. Our strong focus on technology innovation and automation leads to faster, safer, and better results for our customers.

AREVA, Lynchburg, VA

BOOTH # 29-30

With manufacturing facilities in 41 countries and a sales network in over 100, AREVA offers customers technological solutions for CO2-free power generation and electricity transmission and distribution. AREVA's 65,000 employees engage in the 21st century's greatest challenges: making energy available to all, protecting the planet, and acting responsibly towards future generations.

Argo Turboserve Corporation (ATC), Lyndhurst, NJ

BOOTH # 57

The Utility Services Division (USD) of ATC delivers best-in-class safety-related and non-safety related hardware and services to the utility industry. USD provides its customers with cost-effective programs and solutions to its obsolescence issues. USD maximizes the return on the sales of its customers' surplus/excess inventory, as well as supply chain measures to control future inventory growth.

Babcock & Wilcox, Lynchburg, VA

BOOTH # 16

The Babcock & Wilcox Company (B&W) is a leader in advanced energy technology innovation and service, primarily in nuclear and fossil power. Providing quality products and technical services to commercial and government customers, B&W is focused on issues such as energy efficiency, clear air, global market competitiveness, and safe and secure resolution for nuclear waste. Headquartered in Lynchburg, VA, B&W is owned by McDermott, International, and has over 20,000 employees.

Barnhart Crane & Rigging, Memphis, TN

BOOTH # 71

Over the last three decades, Barnhart and Hake have built impressive nuclear project résumés'. Our team of nuclear experts includes personnel with backgrounds from both the construction and operations side of the nuclear industry. Barnhart's experience has brought the kind of innovative design and execution that makes money in reducing Critical Path during outages and improving ALARA in handling components in containment.

Bartlett Nuclear, Inc., Plymouth, MA

BOOTH # 14

2009 celebrates Bartlett's 30th anniversary serving the nuclear power industry. Bartlett is a leading provider of radiation safety, professional, technical, civil maintenance, facilities maintenance, decontamination & decommissioning and other managed staffing solutions to U.S. and international power generation markets. Bartlett also offers equipment and technologies including Excel modular scaffolding, automated monitoring systems, portable ventilation systems and contamination control materials.

Bechtel Nuclear, Frederick, MD

BOOTH # 28

The Nuclear Business Unit within Bechtel Power has been the active world leader in the nuclear industry for almost 60 years with more than 74,000 MW of nuclear design, construction and operating plant support experience. We have designed and/or built more than half of the nuclear power plants in the United States and 150 nuclear power plants worldwide. Currently we are leading the nuclear renaissance in the United States. Our new generation activities include: Operating plant services; Plant restarts; Plant completions; Steam generator replacements; Extended Power Uprates; Construction and operating license applications; New generation EPC; Owner's engineer/program manager.

Black & Veatch, Overland Park, KS

BOOTH # 4

Founded in 1915, Black & Veatch develops tailored infrastructure solutions that meet clients' needs and provide sustainable benefits. Black & Veatch is prepared to meet the challenges of nuclear power's future by offering full-service nuclear power engineering, procurement and construction (EPC) capabilities. Our service to the nuclear power industry dates back to the closing years of World War II and we remain committed to the advancement of nuclear technology and the industry today. We deliver total solutions, from concept to construction, as owner's engineer or turnkey provider, on all regulatory, security and safety matters. We bring it all together – our tools, technologies and teams – to manage risk and create value for our clients.

The Brock Group, Houston, TX

BOOTH # 78

Since 1947, The Brock Group has offered clients a small company interaction with the resources available from one of the largest specialty craft providers in the United States. Continuing the tradition of integrity and performance excellence, Brock's 15,000 employees offer industry the complete single source benefit of doing business with a financially strong and resource abundant contractor. With 81 operational centers strategically located throughout the United States and Canada, Brock offers scaffolding, specialized shoring, coatings, insulation and associated services to a diverse industry that includes Nuclear, Petrochemical, Refining, Power Generation, Offshore, Logistics, Pipelines & Transmission, and Pulp & Paper. Brock's organization structure and internal cooperative culture provide expert leadership for nationally commended, award winning safety and management processes. Brock provides performance in services which sequentially supports and strengthens our customers' strategic competitive advantage and bottom line profitability.

TECHNICAL EXHIBITORS

Burns & Roe Enterprise, Oradell, NJ

BOOTH # 47

Burns and Roe is a global engineering, procurement and construction organization providing services to both private and public clients for 77 years. With 1,700 personnel worldwide, we are a premier provider of advanced nuclear services to the Department of Energy, utilities, and other clients.

C3-ilex, LLC, Fremont, CA

BOOTH # 74

Since 1985, C3-ilex has been developing innovative, value added real-time process monitoring and control solutions for the Power Generation, Power Transmission and Distribution, and Process industries with an emphasis on Nuclear Generation. These systems vary from collection of raw data to end user applications for monitoring, displaying and analyzing critical plant parameters. Our cornerstone product is C3-TREK, a flexible, multi-functional platform for plant process monitoring and transient recording that links to OSIsoft PI for data visualization and analysis. C3-ilex also provides technical services in software, firmware, hardware and systems design for real-time monitoring and control. We are an OSIsoft Partner integrating OSIsoft technology and tools with our products.

CLYDEUNION, Glasgow, United Kingdom

BOOTH # 22

CLYDEUNION is a leading supplier of pumping solutions for the nuclear power industry. We combine the significant expertise of ClydePumps and Union Pump along with the product heritage of Weir Pumps* and Guinard Pump. In addition to our class leading portfolio of nuclear pumps we also offer world class aftermarket support.

** THIS IS A HERITAGE PRODUCT ACQUIRED WHEN THE WEIR PUMPS BUSINESS TRANSFERRED TO CLYDE PUMPS IN MAY 2007*

Commissioning Agents, Inc., Vancouver, WA

BOOTH # 70

Premier provider of commissioning and related services worldwide, including factory inspections, construction QA oversight, calibration and maintenance consulting. We are a nationwide company of engineers and technicians who assist with new construction and renovations in a regulated industry. We find and solve problems to keep your project on track.

Construction Systems Associates, Inc. (CSA, Inc.),

Marietta, GA

BOOTH # 77

CSA Laser Scanning Technology – As-Built Data for the Nuclear Industry
Laser Scanning Technology provides a high quality visual as well as dimensional representation of the nuclear plant. The resulting user-friendly 3D photo-realistic database with an easy-to-use interface provides access to any room or plant area. The components and areas within the plant are linked with a variety of databases: documents, sketches, photographs, notes, drawings, video clips, radiation data, and 3D CAD format. The laser scanning plant database is a very accurate as-built representation of the plant. Integration with other sources of information provides excellent support for: Knowledge Retention; Training; Work Activities Briefing; Outage Planning; Plant Design Modifications; and Equipment Removal/Replacement. CSA Laser Scanning Technology allows for better planning; it helps to reduce dose significantly.

CORE, Inc, Arvada, CO

BOOTH # 50

CORE develops cost-effective, risk-based diagnostic equipment reliability programs for condition monitoring & scheduled maintenance. CORE's patent-pending RCM-trim™ software & ER-plus™ manage critical plant assets to build Equipment Reliability processes for maintenance traceable to the plant's design basis with equipment templates.

Coreworx, Inc., Kitchener, ON, Canada

BOOTH # 56

Coreworx Project Information Control software is used by Owner/ Operators, EPCs and Contractors in mega capital projects to automate best practices and improve project performance. The Coreworx solution provides integrated document control and automated workflow management for mega capital projects in the energy infrastructure and resource sectors. Our customers use Coreworx to service a portfolio of projects valued at over \$500 billion across more than 50 countries, on more than 400 capital projects with nearly 70,000 users. Coreworx has offices in Houston, Baton Rouge, Calgary and Kitchener.

Cory's Thunder, Inc., St. Mary's, GA

BOOTH # 36

CORYS Thunder, Inc. offers the most sophisticated products and technology in the simulation industry. CTI engineers pioneered Windows and PC based simulation technology as well as the THOR advanced thermal hydraulics and neutronics models. Most of the nuclear plant training simulators in the U.S., as well as several in Europe, rely on CORYS Thunder technology to meet critical training simulator fidelity, reliability, and training requirements.

CRANE Nuclear, Inc., Kennesaw, GA

BOOTH # 37-38

Crane Nuclear delivers a broad offering of solutions to the nuclear industry, aligned under three competencies: Valves and Valve Parts - With superior engineering and manufacturing capabilities and processes, Crane Nuclear is the premier OEM for nuclear-grade valves and replacement parts with industry leading lead times. Nuclear Services - Using a scope-based, process-driven approach, Crane Nuclear is the industry leader in providing valve services to nuclear power plants worldwide. Testing Products - For over 25 years, Crane Nuclear has played an unparalleled role in maintaining the health of critical valves and actuators, as the pioneer in the design and manufacture of integrated, portable, and online valve diagnostic technology.

Curtiss-Wright Flow Control Company, Nuclear Group (Enertech, Nova, Scientech, Trentec), Brea, CA

BOOTH # 31-34

Curtiss-Wright Flow Control's Commercial Power and Services Group provides ASME Code, safety-related, IEEE, and commercial products and services to nuclear utilities: EMD - Reactor coolant pumps and motors, control rod drive mechanisms and primary loop valves; Enertech - Valves, actuators, pumps, instrumentation, pipe restraints, vibration isolators, and diagnostic equipment; Nova - Fasteners, HydraNut bolting solutions, fabrication, inventory and supply chain management services; Trentec - Airlocks, specialty doors, custom fabrication, diamond wire concrete cutting, qualification and dedication services; Target Rock - Process Solenoid Valves, MSSRV, PORV and other special nuclear plant application valves, and engineering services.

Day & Zimmermann, NPS, Lancaster, PA

BOOTH # 39

Day & Zimmermann (D&Z) is the leading provider of Managed Maintenance SolutionsSM to the U.S. power generation industry. We deliver full-service maintenance, modifications, major projects, construction, condenser, valve and radiological services as well as fabrication/machining and professional staffing solutions. According to the 2008 Engineering News-Record (ENR) rankings, D&Z is the # 1 Power O&M contractor in the U.S. Safety is our number-one core value. D&Z's member firms are Day & Zimmermann NPS and DZ Atlantic.

DRS Consolidated Controls, Inc., Danbury, CT

BOOTH # 79

DRS Consolidated Controls, Inc. (DRS-CCI) has been a premier supplier of Class 1E and non-1E Instrumentation and Control (I&C) systems to the nuclear industry for more than fifty years. Our commitment to long term product support includes installation, training, start-up, field service, spare components and assemblies, and commercial grade dedication programs. DRS-CCI designs, qualifies, and manufactures both safety critical and non-safety I&C systems for commercial nuclear power plants and the U.S. Navy. For the past 55 years, our reactor and plant control systems have been installed worldwide in more than thirty commercial nuclear power plants and in every Navy nuclear ship since the USS Nautilus. DRS-CCI is an ISO-9001 certified facility and has continuously maintained a 10 CFR Part 50 Appendix B Nuclear Quality Assurance program since 1974.

Enercon Services, Inc., Kennesaw, GA

BOOTH # 68-69

ENERCON specializes in energy and environmental projects and provides full life-cycle services to commercial nuclear plants including: engineering, design and analysis; licensing and operations support; power uprates; plant life extension; document management services; spent fuel storage solutions; decommissioning services; site suitability studies, ESP and COLA preparation.

EnergySolutions, Inc., Salt Lake City, UT

BOOTH # 24

EnergySolutions is a national energy services company headquartered in Salt Lake City, Utah, focused on providing services and solutions to the nuclear industry. Our services cover the nuclear fuel cycle and are provided to the majority of U.S. nuclear power utilities, and include radioactive waste management, radiological engineering, liquid waste processing, large component removal fuel pool cleanup/spent fuel management, transportation and low level radioactive waste disposal.

TECHNICAL EXHIBITORS

Engineering Planning and Management, Inc. (EPM), Framingham, MA

BOOTH # 62

EPM has been helping utilities achieve compliance with complex regulatory requirements for over twenty-five years. EPM continues to provide expert fire protection and systems engineering guidance as NRC regulations change and evolve, including the transition to the new performance-based, risk-informed regulatory environment of NFPA 805 and 10CFR50.48(c). EPM is the industry leader in Post Fire Safe Shutdown, Fire Modeling, Probabilistic Risk Assessment, and Thermal-Hydraulic Systems Analysis. EPM is also the leading provider of innovative software that optimizes the engineering and business processes to achieve regulatory compliance in a cost-effective manner with long term configuration results. EPM's Genesis Solution Suite® includes EDISON (Cable Management System) and SAFE (Post-Fire Safe Shutdown Analysis). Genesis is 10CFR50 Appendix B compliant (Q). SAFE automates the engineering programs for 10CFR50 Appendix R, NFPA-805, FPRA, & NPO; SAFE serves as a single repository of information which simplifies the long term configuration management/control of these programs. EDISON is the only current cable management system developed specifically for new plant designs and construction projects.

Enterprise Informatics, San Diego, CA

BOOTH # 80

eB for Nuclear ensures the integrity of controlled information throughout the nuclear life cycle by uniquely managing its connectivity to all relevant information. Consisting of six integrated solutions-design engineering, compliance, information management, performance improvement, knowledge management and training-eB ensures that plants comply fully with INPO(r) guidelines and remain consistent with their design basis.

EXCEL Services Corporation, Rockville, MD

BOOTH # 1-3

EXCEL Services Corporation specializes in providing operations, Engineering, safety and regulatory services for energy and environmental projects world-wide. These specialized services include: License Renewal, Power Uprate, 24 Month Fuel Cycle Conversions, Licensing and Operations Support, Improved Technical Specifications Conversions, Quality Assurance Solutions, Training, Spent Fuel Storage Licensing, New Plant Site Permitting (ESP), and Combined License (COL) Support. EXCEL has worked with almost every nuclear power plant and many other nuclear facilities in the U.S., and has worked with many international nuclear facilities and organizations for over 20 years.

Flowserve Corporation,

Vernon, California/Charlotte, North Carolina

BOOTH # 58-59

Flowserve Corporation's Pump Division (FPD) is the driving force in the Nuclear Pump Industry with heritage names such as Byron Jackson, Pacific, Worthington and others. Products include: New Pumps, Pump Upgrades, Pump Repairs (contaminated and clean), On-Site Technical Services, Complete Turnkey Services, Engineering Support, Mechanical Seals and more. Our worldwide footprint allows us to support all operating plants as well as being positioned for the Nuclear Renaissance.

G.D. Barri & Associates, Peoria, AZ

BOOTH # 42

G.D. Barri & Associates, Inc. is celebrating 20 years of service with the nuclear industry and related subsidiaries. Senior Team members Ms. Georgia Barri and Mr. Rick Duff, both have 32 years of nuclear support services beginning with Duke, Enrick Fermi, Surry, North Anna and other nuclear power plants. It is our pleasure to welcome a new team member: Mr. Randy Beck, formerly with EPRI working out of our Tennessee Office.

Graybar, St. Louis, MO

BOOTH # 54

Graybar Electric Company, Inc., a Fortune 500 corporation with more than 240 North American distribution facilities, is a leader in the distribution of high quality electrical, networking, and security products, and specializes in related supply chain management and logistics services. As an Energy Star Partner and a member of the U.S. Green Building Council, Graybar is committed to delivering energy-savings products and "green" knowhow to its customers. From lighting to sensors and metering to controls and drives, Graybar can provide products, systems, and advice that deliver measurable savings of time and money.

Holtec International, Marlton, NJ

BOOTH # 11

Holtec International has an accomplished record of serving the power industry for over 21 years. Our nuclear division specializes in the storage and transport of spent nuclear fuel and fuel loading services around the world. Our Power Plant Components Division provides custom engineered condensers, feedwater heaters, and heat exchangers.

Howden Buffalo Inc., New Philadelphia, Ohio

BOOTH # 53

Howden Buffalo Inc., New Philadelphia Division, maintains a formal Quality System that conforms to 10 CFR 50 Appendix B, ASME, NQA-1. This quality system allows for Howden Buffalo Inc. to supply vaneaxial and centrifugal safety related and non-safety related fans to the nuclear industry. These fans are environmentally and seismically qualified for mild and harsh environment applications.

Originally supplied as a Joy or Buffalo Forge fan design, Howden Buffalo Inc. has thousands of nuclear fans in service domestically and internationally and can supply replacement or new fans of either design. In addition, if replacement motors are required for either of these design fans, Howden Buffalo Inc. can supply safety related or non-safety related motors either refurbished to original specifications or as replacements with Reliance Electric motors. Howden Buffalo, Reliance Electric and Westinghouse Electric have also formed an alliance to support the repair or rebuild of contaminated nuclear motors.

Hukari Technical Services, Wheat Ridge, CO

BOOTH # 75

Hukari Technical Services is a solely-owned, small business (Vietnam Veteran-Owned) with the goal of providing only the highest quality engineering and technical services to the nuclear industry. While specializing in Nuclear Safety and Licensing services, our support capabilities cover the complete nuclear power life cycle (new reactors, operating plants, and decommissioning) and our people are equipped with the broad and deep experience to address the most difficult of challenges.

Hurst Technologies

BOOTH # 5

Hurst Technologies offers diverse consulting, engineering, regulatory compliance assistance, technology assistance, and project management services to various industries including, nuclear power generation, fossil power generation, airports, chemical, petrochemical, and equipment manufacturing. Our staff is comprised of highly motivated experienced professionals that adapt innovative engineering techniques to meet our clients' specific needs.

HydroAire Inc., Chicago, IL

BOOTH # 17

HydroAire is North America's largest independent pump services company. Our focus is to provide pump repair services with an emphasis on increasing Mean Time Between Repair, Availability and Maintaining Hydraulic Performance. We accomplish this by applying precision repair criteria, sophisticated engineering technology and insuring we meet customer expectation through quality communication.

IBM

BOOTH # 8

IBM is the leader in Enterprise Asset Management solutions. IBM Maximo Asset Management is used by more than 300 utilities, including 10 of the 20 largest energy companies, most of the large merchant generators and a growing number of nuclear power stations. IBM delivers world-class asset management solutions to utilities, whether the focus is on hydro, fossil or nuclear; or gas/ electric transmission and distribution.

Invensys Process Systems, Plano, TX

BOOTH # 61

Headquartered in Plano, Texas, IPS is an alliance of Invensys divisions including Avantis, Foxboro, SimSci-Esscor, and Triconex, all with a strong nuclear presence. Leveraging the power of one organization, IPS consistently collaborates in development, design, and execution of solutions proven to maximize the availability and utilization of nuclear plant assets.

Joseph Oat Corporation, Camden, NJ

BOOTH # 23

Joseph Oat is a well renowned integrated OEM designer and fabricator of ASME Section VIII & Section III / safety-related products for the Nuclear Power Industry. We have supplied critical heat exchangers and pressure vessels, spent fuel/rad-waste canisters, and NQA-1 components to nuclear customers worldwide. Our QA system has been audited by NUPIC and complies with NQA-1 & 10 CFR 50 Appendix B. We have continuously held an 'N' Stamp certification since 1966 and maintain an excellent reputation in the industry.

We Make Metal Work ©.

Kinectrics Inc., Toronto, Ontario, Canada

BOOTH # 40

Kinectrics is recognized worldwide as a leader in providing advanced services and products for the nuclear industry. We offer clients a reliable "one-stop shop" with specialized technical expertise and proven capabilities in: life cycle and asset management solutions for nuclear equipment and components, inspection and maintenance systems, and environmental technologies. Kinectrics is a qualified North American supplier for genuine nuclear parts, reverse engineering and Commercial Grade Dedication services. Our facilities also include laboratories for radioactive materials, analytical chemistry, and electrical testing for generation plant.

TECHNICAL EXHIBITORS

Kipper Tool Company, Gainesville, GA

BOOTH # 65

Kipper Tool is a Woman-Owned Small Business based in Gainesville, Georgia providing over 250,000 items from 450 manufacturers including: high-quality industrial tools; fall protection and safety equipment; and custom tool kits and systems.

Kipper Tool is currently expanding to serve aerospace, oil and gas, energy, rail, construction and mining industries and is experienced in working with the end user to optimize tool loads to help customers perform various maintenance and installation tasks.

Knighthawk Engineering, Houston, TX

BOOTH # 41

Technology based Engineering Company with Nuclear Qualified, Registered Professional Engineering Staff. Performs Consulting, Field Services and Testing for Fixed and Rotating Equipment. Our new Metallurgical and Materials Lab is able to perform equipment testing and evaluation. We provide digital laser scanning in our Lab or on Site. The Complete Solution.

Lockheed Martin, Archbald, PA

BOOTH # 67

Lockheed Martin Nuclear Systems & Solutions provides total systems solutions and services for commercial power applications. Lockheed Martin is a lead systems integrator and provider of discrete and digital safety-critical instrumentation and control (I&C) systems for commercial and DoD customers for over 50 years. Lockheed Martin is also a leader in Homeland Security, Information Technology, Net-Centric Solutions, Technology Research, Training and Simulation and Engineering Services. Products and services include Human Factors Engineering (HFE); Safety Critical Digital I&C; Independent Verification & Validation (V&V); Hardware-in-the-Loop (HWIL) Testing; Automated Test Equipment (ATE) Design; System Level Environmental Testing; and Tool Design and Fabrication.

Major Tool & Machine, Inc., Indianapolis, IN

BOOTH # 35

Major Tool and Machine provides the nuclear marketplace with best value, turnkey, engineering, fabrication and machining services. Our extraordinary capability, capacity and experience are driven by our commitment to quality assurance. This is evidenced through our ASME N, NPT, N3, NS, U and U2 certifications. In addition, our Nuclear Quality Assurance Program is audited to the requirements of NQA-1, and complies with 10CFR21, 10CFR50 part B, 10CFR71 subpart H, 10CFR72 subpart G, and 10CFR830. Our combined strengths of outstanding program management, unparalleled capability, and uncompromising quality assurance provide our customers the Major difference.

M.C. Dean, Inc., Dulles, VA

BOOTH # 45

M.C. Dean, Inc. is one of the nation's premier specialty construction firms, offering full lifecycle services for electrical and electronic systems and infrastructure. M.C. Dean, Inc. provides leading-edge technical expertise for complex, large-scale power, telecommunications, electronics and automation systems.

Mitsubishi Heavy Industries, Tokyo, Japan

BOOTH # 19-20

Mitsubishi has been engaged in the nuclear energy business for more than 3 decades and built 23 pressurized water reactor (PWR) plants in Japan. In addition, 1 plant is under construction and 2 plants are in the licensing phase. The company is now introducing the US-APWR 1700MW class reactor to U.S. market, the largest nuclear energy plant in the world. Mitsubishi is a fully-integrated nuclear power plant supplier with capacity of supplying architectural engineering, nuclear steam supply systems, turbine generation systems, electrical systems, I&C systems, nuclear fuel and balance of power systems to its utility customers. Mitsubishi also performs post-operational service.

Nexus Technical Services Corporation,

Oakbrook Terrace, IL

BOOTH # 72

Nexus Engineering is a consulting firm offering a variety of services to nuclear power plants, governmental facilities, and commercial entities. Our staff of engineers is highly qualified and specialized in electrical and fire protection engineering. When our clients want to work with the best, they work with Nexus. Discover for yourself how Nexus delivers Deliberately Better engineering.

Northrop Grumman Power/Control Systems Overview,

Sykesville, MD

BOOTH # 15

Northrop Grumman Power / Control Systems provides innovative solutions for both commercial and U.S. Navy customers. We focus on safety and critical applications involving Power Distribution, Machinery Control and Nuclear Reactor Control Systems. Our heritage in design, manufacture and support of these systems dates back to the birth of the nuclear industry. You can rely on our engineering and production capabilities to develop affordable solutions for your specific requirements.

Nuclear Logistics Inc., Fort Worth, TX

BOOTH # 12

Nuclear Logistics, Inc. (NLI) is the nuclear industry's single source for safety related equipment, equipment maintenance and qualification support. We specialize in the design, fabrication, qualification, test and supply of all equipment types needed in the nuclear industry. Expanded service areas include the supply of ASME Section III N, NPT, and NS certified equipment.

Nuclear News, La Grange Park, IL

BOOTH: AMELIA BALLROOM FOYER

Celebrating its 50th anniversary in 2009, Nuclear News has been an integral part of the advertising plans of more than 1600 corporations throughout the years. This monthly membership magazine of the American Nuclear Society provides coverage of the latest developments in the nuclear field, a large part of which concerns nuclear energy – in particular, the 104 operating U.S. nuclear power plants, and more than 330 operating in the rest of the world. With the recent submission of several combined construction and operating license (COL) applications for new reactors in the United States and more submissions expected, the nuclear industry is continuing to move toward a renaissance.

Nuclear Plant Journal, Glen Ellyn, IL

BOOTH # 52

Now in its 26th year, Nuclear Plant Journal provides technical information exchange among managers and engineers in nuclear power industry worldwide. Circulation is 12,000 (BPA audited). The Journal is published six-times per year. The Products & Services Directory is published yearly in December.

Nuclear Safety Associates, Johnson City, TN

BOOTH # 26

Nuclear Safety Associates, Inc. (NSA) is a rapidly growing Small Business specializing in safety engineering, technical services, and security services for both the federal government and the commercial nuclear industry. NSA has a strong reputation for quality, technical excellence, and a customer-focused business model.

NWI Consulting, LLC, Knoxville, TN

BOOTH # 46

NWI Consulting, LLC is a professional consulting firm specializing in power generation performance improvement services, specialized learning interventions, computer-based training, organizational development, accreditation renewal/recovery, and professional staff augmentation. NWI has a broad portfolio of U.S. and international clients in the electric generation industry and is headquartered in Knoxville, TN. NWI's power plant services includes supporting such areas as Operations, Training, Outage Management, Nuclear Oversight, Maintenance, Radiation Protection, Chemistry and Emergency Preparedness. NWI has assisted clients in other more specialized efforts including Leadership/ Management Development, Executive Coaching, Conflict Resolution, Multi-Discipline Assessments, Root Cause Analyses, NRC 95-002 & 3 Preparations and specialized Safety Analyses (50.59).

PricewaterhouseCoopers, New York, NY

BOOTH # 73

PricewaterhouseCoopers provides industry-focused assurance, tax and advisory services to build public trust and enhance value for clients and their stakeholders. Over 154,000 people in 153 countries share thinking, experience and solutions to develop fresh perspectives and practical advice. Our Utilities advisory professionals provide clients with confidence to succeed by helping anticipate, create and manage change. Whether clients are proactively implementing change or reacting to unplanned events, our Firm resources, industry experience, functional acumen across operations, organizational strategy and structure, process improvement, human resources optimization, technology integration and implementation, risk mitigation and crisis management areas to help organizations effect sustainable change.

Radwaste Solutions, La Grange Park, IL

BOOTH: AMELIA BALLROOM FOYER

Started in 1994 by the American Nuclear Society, Radwaste Solutions is the only magazine serving the nuclear waste management and cleanup segments of the industry. In the United States, this business is centered on four industry subsets: (1) The U.S. Department of Energy's remediation of its weapons production and research facilities; (2) The U.S. DOE's civilian radioactive waste activities; (3) nuclear utilities, and (4) nonpower, non-DOE activities. In addition, other countries are also cleaning up and decommissioning their government nuclear facilities and older nuclear power plants, and U.S. businesses are increasingly obtaining contracts and subcontracts to perform this work.

TECHNICAL EXHIBITORS

ReNuke Services, Inc., Oak Ridge, TN

BOOTH # 66

ReNuke was designed and built specifically to bring innovative human capital consulting and staffing programs to the resurgent commercial nuclear power market. The name itself is emblematic of our commitment to nuclear energy. In a period where personnel needs are growing and the workforce is shrinking, a fresh approach to staffing nuclear positions is being demanded by both candidates and customers – and ReNuke is responding.

The company provides four basic services: Defined-scope project execution, traditional staff augmentation, fee-based permanent placement, and strategic human capital consulting. ReNuke's service offerings are supported by a full-time leadership staff with over 300 years of collective nuclear industry experience. We are technically qualified in project management, project controls, contract administration, engineering, operations, outage management, procurement, health physics, decommissioning, transportation, and quality assurance.

Rolls Royce

BOOTH # 27

Rolls-Royce offers a broad range of civil nuclear expertise, including work related to licensing and safety reviews, engineering design, supply chain management, manufacturing, installation and commissioning of nuclear island systems and equipment, as well as operational management and through life support. The company's involvement in the nuclear industry spans over half a century in the design and supply of equipment for both civil and military reactors. We also provide technical services in the UK and US civil nuclear markets, as well as safety critical instrumentation and control systems in Europe, the US and many other international markets, including all 58 operating nuclear facilities in France.

Shaw Group, Stoughton, MA

BOOTH # 25

Whether it's new build or operating plant services, Shaw's integrated nuclear solutions help our clients provide clean, reliable, carbon-free nuclear energy. Shaw performs nuclear plant work including design, engineering, licensing, procurement, maintenance, construction, start-up, testing, and financing reviews and is contracted for six AP1000 nuclear units in the U.S. and four units in China.

Sulzer Pumps, Portland, OR

BOOTH # 10

Sulzer Pumps is widely recognized for technical excellence in nearly all nuclear plant applications, providing primary and secondary pumping and sealing solutions, including our Balanced Stator seal for both PWR and BWR main coolant pumps.

Nuclear service installations exceed over 80 sites in the US and 100 worldwide. We provide pump repair, replacement parts, and testing services for all OEM pumps compliant with ASME, PTC, HI and ISO.

Tetra Tech EC, Inc., Morris Plains, NJ

BOOTH # 18

Tetra Tech is a full service provider offering licensing, consulting, engineering, procurement, and construction solutions for the nuclear industry as well as renewables, infrastructure development, water, and environmental/remediation markets. Founded in 1964, Tetra Tech has over 11,000 employees which include resources from EBASCO and NUS. This year Tetra Tech extended their capabilities with the acquisitions of Hazelwood and Wardrop.

Tetra Tech develops tailored solutions that meet clients' needs and provide sustainable benefits. Solutions are provided from the broad line of service expertise available within Tetra Tech, including operating and new plant licensing services, engineering design, procurement, construction, program management, construction management, environmental sciences, security design, and consulting.

With \$2.2 billion in revenue and more than 300 offices worldwide Tetra Tech is capable of delivering a variety of projects on time and on budget to a diverse customer base. We focus on the needs of our clients, providing them with a one stop shop with a trusted partner.

UniTech Services Group, Springfield, MA

BOOTH 6

UniTech provides the following services to utilities, government and other radioactive material licensees: 1.) Laundering and decontamination of radiological protective clothing and accessories including respirators; 2.) Tool and metal decontamination, including scaffolding, tool, and outage support materials; 3.) Radiological and safety supplies including our Mobile Safety Store with onsite just in time inventory.

URS Washington Division, Princeton, NJ

BOOTH # 21

URS provides integrated engineering, procurement, construction and maintenance services to the commercial nuclear industry and similar services in support of managing/operating government nuclear facilities. The Steam Generating Team (SGT), our joint venture with AREVA NP, is a leading supplier of engineering and construction support services for large nuclear component replacements.

Valv Technologies, Houston, TX

BOOTH # 13

Valv Technologies, best known for our Four Year, ZERO Leakage Guarantee, has been solving power application issues for over 20 years, by offering Better Built, Cobalt Free, Metal Seated Isolation & Control valves. We pride ourselves on our client - partner relationships and have made it our mission to offer Best in Class service and support. ASME N and NPT Authorized with a 10CFR50 Appendix B program for Safety Related equipment - we are committed to offering the very best valve solutions to the nuclear industry.

Ventyx, Atlanta, GA

BOOTH # 48

Ventyx is a leading provider of best-of-breed business solutions, delivering asset management, mobile workforce management, customer care, energy trading and risk management, energy operations, and energy analytics solutions to more than 900 energy, utility and communications customers, as well as to asset-intensive customers in selected commercial markets.

Westinghouse Electric Company, Monroeville, PA

BOOTH # 63-64

Westinghouse Electric Company is the only company with a single focus on nuclear power, providing a wide range of nuclear plant products and services to utilities throughout the world. Our more than 11,000 employees worldwide provide fuel, spent fuel management, service and maintenance, instrumentation and control, and advanced nuclear plant designs. With the world's largest base of installed plants, no company has more nuclear experience. With the combined resources of Westinghouse and Toshiba, an even broader range of products and services will be available to our customers, furthering our commitment to providing solutions that help achieve reduced outage times, reduced operating costs, and clean, efficient plant operations.

Williams Industrial Services Group, LLC, Atlanta, GA

BOOTH # 7

Williams Industrial Services Group, LLC is a family of three companies providing a comprehensive range of industrial maintenance, modification and construction services to Power Generation, Pulp and Paper, Chemical, Refining, Manufacturing and other industrial markets.

Williams Industrial Services Group, LLC has provided specialty and general maintenance services for most of the United States operating commercial nuclear power plants over a period of the last 30 years. Williams provides a complete range of services including maintenance/modification and, specialty services such as asbestos and lead abatement, roofing, insulation, valve maintenance and repair, and other key services. Williams has completed many major projects under all types of contracting models. We pride ourselves on having one of the best safety performance programs in the industry.

WorleyParsons, Reading, PA

BOOTH # 76

As an Architect-Engineer of record, WorleyParsons has been actively engaged in all phases of the nuclear power industry for over 45 years. WorleyParsons has U.S. and world-class credentials and a strong reputation as a provider of high-quality, cost-effective engineering services. WorleyParsons has successfully completed 16 nuclear generating units, totaling over 11000 MWe, in the U.S. and around the world. WorleyParsons delivers full-service engineering, design, analysis, modification, licensing, extended power uprate, license renewal, decommissioning, construction management, program management, Construction and Operating License Applications and Owner's Engineer services for new nuclear plant design and construction.

Zachry Nuclear Engineering, Inc., Groton, CT

BOOTH # 43

Zachry Nuclear Engineering, Inc. is a full service engineering firm that provides Engineering, Design and Project Management services to the Nuclear Power industry. Previously known as Proto-Power, Zachry Nuclear Engineering is proud to announce its full integration into the Zachry family of companies under Zachry Nuclear, Inc. Zachry Nuclear Engineering offers the services of experienced mechanical, electrical, controls, civil and structural engineering professionals and designers who are skilled in power plant systems, engineering analysis and modification package development. Zachry Nuclear Engineering has offices in Groton, CT and Chicago, IL.

GOLF TOURNAMENT INFORMATION

2009 UWC GOLF TOURNAMENT

Sunday, August 2, 2009

GENERAL INFORMATION

The ANS 2009 Utility Working Conference (UWC) Golf Tournament will be held at Amelia Island Plantation's Amelia River Golf Course. The tournament will begin at 8:00 a.m. on Sunday, August 2, 2009.

TRANSPORTATION

The Amelia River Golf Course is located approximately 2 miles from the Amelia Island Plantation. For those who do not have a vehicle, you may arrange for courtesy shuttle transportation to the Amelia River Golf Course from anywhere on the resort property by dialing the resort operator.

FORMAT

The format of the tournament will be Captains Choice or Super Ball. With this format, each player will hit his or her drive. You select the best shot and everyone plays their next shot from that location. You continue this until the ball is holed out.

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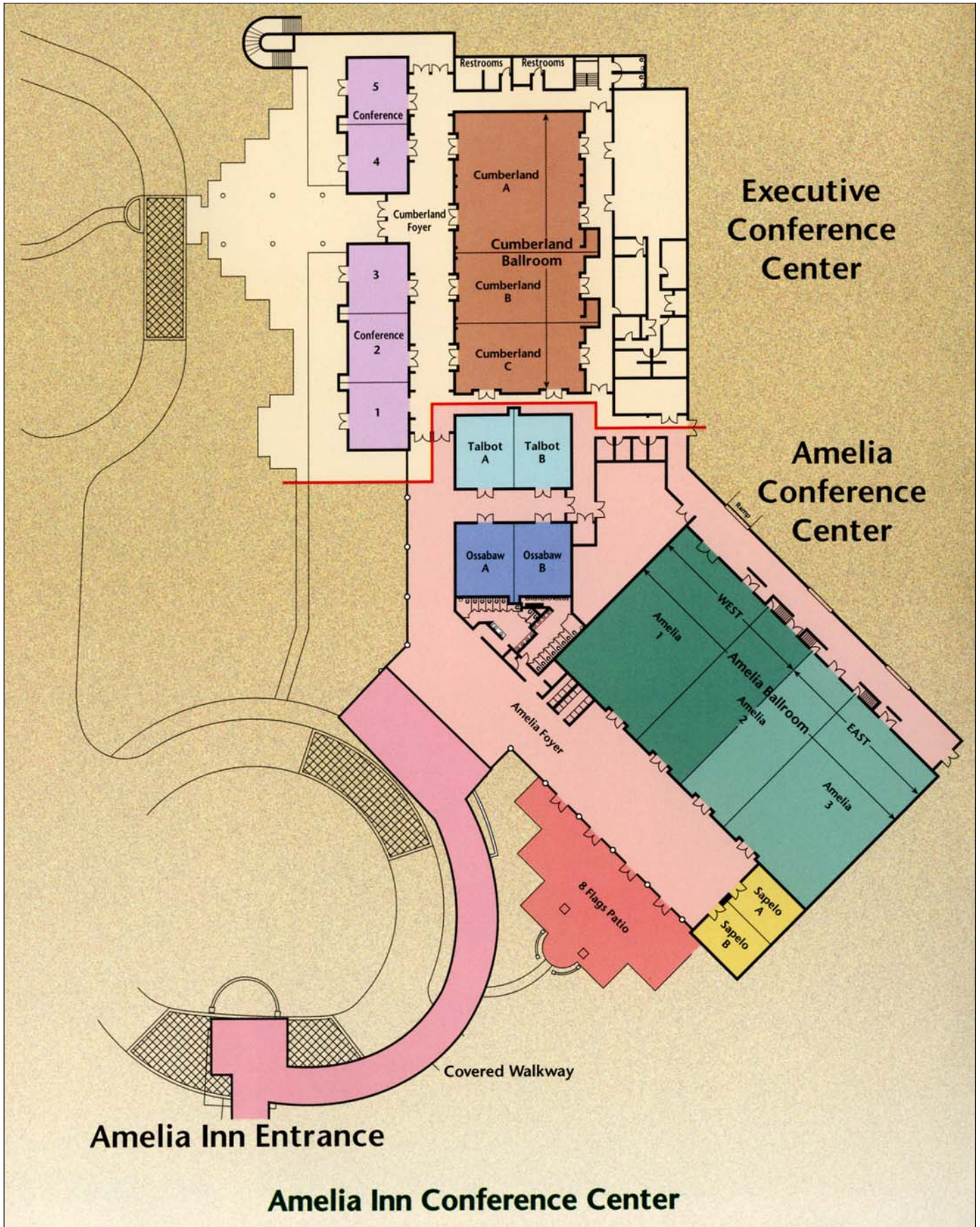
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