



THE SOCIETY FOR  
**MODELING & SIMULATION**  
INTERNATIONAL

PROUDLY PRESENTS

# POWERPLANTSIM

Power Plant Simulation Conference 2014

**Jan. 20 - Jan. 23, 2014**

Astor Crowne Plaza Hotel, New Orleans, LA



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*Brought to you by :*  
*The Society for Modeling & Simulation International (SCS)*

# 2014 PowerPlantSim

## **PROGRAM BOOK**

Jan. 20 - 23, 2014  
New Orleans, LA, USA

Sponsored by SCS

**General Chairs**  
Scott Cupp (Nuclear Track)  
&  
William H. Talbot (Fossil Track)

**CONFERENCE MEETING SPACE WI-FI  
Network: Astor Crowne Plaza Conference  
Password: PPS2014**

# General Information

## **PPS 2014 Registration**

Astor Foyer

Sunday: 4:00 pm to 6:00 pm

Monday-Wednesday: 7:30 am to 5:00 pm

*On Thursday, staff will be available for questions and information*

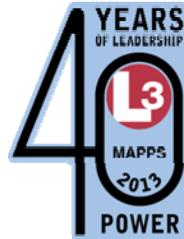
## **PPS 2014 Reception:**

Monday, January 20, 2014

Exhibit Area (Astor I & II)

6:00 pm to 9:00 pm

Sponsored by:



## **PPS 2014 Exhibit Area:**

Astor I & II

Monday-Tuesday: 7:30 am to 5:00 pm

Wednesday: 7:30 am to 1:00 pm

## **PPS 2014 Breakfasts & Breaks**

Exhibit Area (Astor I & II)

Coffee and Pastries: Mon-Wed 7:30 am to 8:30 am

AM Coffee Break: Mon-Thurs 10:00 am to 10:30 am

PM Coffee Break: Mon-Wed 3:00 pm to 3:30 pm

## **USUG Information:**

USUG Executive Session: Sunday, 5:00 pm to 6:00 pm (St. Ann)

Annual Business Meeting USUG (members only): Thursday, 8:30 am to 12:00 pm (Astor I)

Other USUG Sessions & Regional Workshops (members only): Thursday, 1:30 pm to 3:00 pm (Astor I, II, and III)

## **L3 MAPPS Information:**

(Bourbon Room)

L-3 MAPPS Owners Circle™ Conference - Day 1: Thursday, 3:00 pm- 5:00 pm

L-3 MAPPS Owners Circle™ Conference - Day 2: Friday, 8:30 am- 3:30 pm

\*Please note these events are to be attended by invitation only

# Welcome to PowerPlantSim'14

General Chairs:	Scott Cupp Entergy, Arkansas Nuclear One <a href="mailto:scupp@entergy.com">scupp@entergy.com</a>	William H. Talbot Talbot Simulation Associates <a href="mailto:wtalbot@TalbotSimulationAssociates.com">wtalbot@TalbotSimulationAssociates.com</a>
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We wish to express our warmest welcome to all participants and organizers of the tracks making up this 2014 Power Plant Simulation Conference (PowerPlantSim'14). All attendees are welcome to attend all of the sessions and activities unless otherwise noted in the agenda.

PowerPlantSim'14 offers a great forum for worldwide researchers and practitioners from Academia, Industry, Business, and Government to share their expertise, results and research findings relating to the Fossil and Nuclear energy community. This year's conference will be held at the Astor Crowne Plaza Hotel in New Orleans, LA.

We wish to thank the many individuals, whose dedicated effort contributed to the success of the event. Our sincere appreciation goes to all authors including those whose papers could not be accommodated in the program, and to all presenters.

*On behalf of the Society for Modeling and Simulation International, SCS,  
we invite all of you to join us at PowerPlantSim 2014 in New Orleans, LA, USA.*

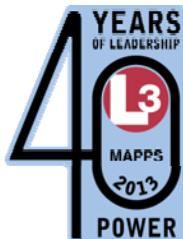


THE SOCIETY FOR  
**MODELING & SIMULATION**  
INTERNATIONAL

# Exhibitors Information

## L-3 MAPPS

When you're looking for improving your power plant's performance and reliability, you'll want the right simulation experience to get you there. One company has the dedication to produce true-to-life power plant simulators that ensure that your personnel have the knowledge required to safely and efficiently operate your power plant.



For more than 40 years, L-3 MAPPS has worked with leading utilities, plant designers and research organizations to create superior training and engineering systems and has established itself as the world's pre-eminent manufacturer of power plant simulators. L-3 MAPPS is a company of people with ideas and vision, with a desire to create value through innovation and with the experience to achieve success.

## **DOING IT RIGHT**

Providing more than just training devices, L-3 MAPPS' simulator solutions - powered by the unparalleled *Orchid®* suite of simulation products - will elevate your operation and engineering teams to new heights in addressing plant design issues, procedural deficiencies and reliability improvements. L-3 MAPPS simulators provide superior real-world power plant training. L-3 MAPPS offers a variety of products and services, including full scope simulators, classroom simulators, engineering simulators, part-task trainers, severe accident simulation, simulator retrofits and upgrades, and more. L-3 MAPPS provides design to completion turnkey systems, specific components, and simulator design tools as required by the customer. The company's simulators offer the highest quality in modeling fidelity and training to provide trainees and instructors with user-friendly tools for learning, operating and mastering complex power plant systems.

The superior training environments of L-3 MAPPS simulators provide clear advantages for obtaining operator licenses/certification, optimizing plant operating procedures and reducing costs. Operators trained on L-3 MAPPS simulator environments acquire the skills necessary to increase plant performance, minimize downtime, and provide confident emergency response. Real-time responses to operator actions and interactive instructor controls ensure maximum training effectiveness and adaptability.

Simulator uses include interactive team training, severe incident management, plant design testing, and start-up/shutdown optimization. Any scenario, no matter how complex or dangerous in a real plant, can be reproduced, monitored and varied in real time, providing a highly valuable tool for training, plant engineering and emergency response.

## **USES AND ADVANTAGES**

Cost-effective training for

- Experienced operators and new recruits
- Overall plant and individual system operation and control
- Improving soft skills such as "command and control", three-way communication, team interaction and performance in the most realistic simulator control room environment
- Emergency plan implementation and incident management
- Skilled response to equipment malfunction and plant transients
- I&C familiarization through DCS and plant process computer operation

# Exhibitors Information (Cont.)

## L-3 MAPPS (Cont.)

### More benefits

- Full visual implementation of whole plant simulation allowing users to have complete control over simulated plant design in an intuitive, easy-to-use manner
- State-of-the-art simulation environment for development, operation and management of your simulator with a fully visual, interactive graphic user interface including control room soft panels and plant system models
- Operations optimization with just-in-time training on plant start-up, shutdown and infrequently performed evolutions, etc.
- Fewer unplanned outages due to operator error or equipment malfunction
- Improved plant safety
- Analysis of plant response to equipment and/or instrument failure
- Efficient plant design planning and testing
- DCS and plant process computer verification and validation
- Ease of simulator upgrade and ability to keep current with plant
- Multiple configurations on one simulator
- Portability of simulation for classroom training

**CONTACT:** Sean Bradley  
[Power.maps@L-3com.com](mailto:Power.maps@L-3com.com)  
8565 Côte-de-Liesse  
Montréal, Québec  
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[www.L-3com.com/MAPPS](http://www.L-3com.com/MAPPS)  
LinkedIn: L-3 MAPPS  
Tel.: 1-514-787-4999

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## Westinghouse Electric Company

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 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 operation costs, and clean, efficient plant operations.

**CONTACT:** Michelle Rossman  
[rossmams@westinghouse.com](mailto:rossmams@westinghouse.com)  
1000 Westinghouse Drive  
Cranberry, PA 16066  
[www.westinghousenuclear.com](http://www.westinghousenuclear.com)

# Exhibitors Information (Cont.)

## CORYS Thunder, Inc.

CORYS Thunder offers the most sophisticated products and technology in the simulation industry. Our simulators power most nuclear engineering and training simulators in the U.S., as well as several in Europe. Count on CORYS to meet critical training simulator fidelity, reliability, and training requirements.

**CONTACT:** Jody Ryan  
[Jody.ryan@corysthunder.com](mailto:Jody.ryan@corysthunder.com)  
[www.corysthunder.com](http://www.corysthunder.com)

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## Test and Measurement Instrumentation, LLC

TMI designs and manufactures high performance IO systems used predominantly in the Nuclear Power Simulation industry. We are the undisputed leader in simulation IO systems. We have upgraded 36 simulator IO systems worldwide. Our hardware is installed at nearly every nuclear simulator in the US. In addition to IO we offer many specialized hardware devices such as Synchroscope Controllers, Rod Step Counters, and Radiation Monitors to name a few.

**CONTACT:** Mike Colavito  
[Tmi1@msn.com](mailto:Tmi1@msn.com)  
1 Chestnut St. Ste. 4-K  
Nashua, NH 03060

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## GSE Systems, Inc.

We are a next-generation virtual simulation, simulation training, and engineering consulting services provider applying a world of experience to help you achieve the performance you imagine. GSE is a world leader in real-time, high-fidelity simulation, providing a wide range of simulation, training and engineering solutions to the energy industry. Our comprehensive and modular solutions help customers achieve performance excellence in design, training and operations. GSE's products and services are tailored to meet specific client requirements such as scope, budget and timeline.

**CONTACT:** Deanne Bellin  
[deanne.bellin@gses.com](mailto:deanne.bellin@gses.com)  
1332 Londontown Blvd.  
Sykesville, MD 21784  
[www.gses.com](http://www.gses.com)

# Exhibitors Information (Cont.)

## Western Services Corporation

WSC, headquartered in Frederick, Maryland, is a global simulation company that was founded in 1995 and has been growing steadily based on the quality and efficiency of its products and its flexible team-oriented approach for serving customers.

WSC's primary focus is the development and deployment of advanced 3KEYSOFTWARE® Simulation Technology, which consists of the 3KEYMASTER™ simulation platform and a suite of unified graphical modeling tools, which includes 3KEYRELAP5-RT™, an adaptation of Idaho National Laboratory (INL) thermal-hydraulics and neutronics models running within the 3KEYMASTER Environment. WSC has its roots in the nuclear, fossil and combined cycle power plant operator training simulators and provides both new simulators and modernization or refurbishment of existing simulators. Even though operator training simulators are WSC's main focus, WSC has achieved significant growth in Simulation Assisted Engineering (SAE) based on the strength of its "engineering grade" simulation technology. Leading companies are now embedding WSC's technology in their engineering processes to address the challenges of improving quality up-front and reducing complex engineering development and commissioning cycles. To support the increasing deployment of e-learning, WSC has developed 3KEYSTUDENT™, which brings state-of-the-art simulator training to a student's PC anywhere in the world via the Internet. In response to the Fukushima event, WSC has embedded Severe Accident Analysis modeling in 3KEYMASTER by coupling MELCOR, a product of Sandia National Laboratories, with 3KEYRELAP5-RT.

WSC is committed to continually improving the capabilities of its technology and widening the applicability of its simulation technology to complex systems. To further this goal, WSC has a vigorous market-focused R&D program and a strong commitment to customer service. WSC is ready to serve you for your complete simulation needs.

**CONTACT:**     Debbie Van de Poll  
                  deborah@ws-corp.com  
                  7196 Crestwood Blvd. #300  
                  Frederick, MD 21703  
                  [www.ws-corp.com](http://www.ws-corp.com)

# Notes

# Fossil Agenda

Monday, 20 January 2014

## Welcome and Introductions

**8:30 – 8:45**                   **St. Charles B**

## Session 1: Project Management and Configuration Control

**8:45 – 10:00**                   **St. Charles B**

- *Simulator Project Management for DCS Development and Maintenance* by Bruce Kelly (Sega, Inc.)

## Session 2: Project Implementation

**10:30 – 12:00**                   **St. Charles B**

- *Design and implementation of a high fidelity full scope training simulator for a triple-pressure CCGT power plant* by Thomas Kollryd (GSE Power Systems AB)
- *Fossil Power Simulator Implementation Efficiencies When Using Automated Testing* by Alex Lekich (GSE Systems, Inc)

## Session 3: Simulator Assisted Engineering and Engineering Training Using Math Modeling

**13:30 – 15:00**                   **St. Charles B**

- *High Fidelity Operator Training Simulator for a Combined Cycle Plant Implemented Ahead of Plant Startup Commissioning* by Mike Cabaniss (GSE Systems, Inc.) and Chad Butler (Emerson Process Management)
- *Modeling of Fundamental Balance of Plant (BOP) Thermohydraulic Components in MATLAB/Simulink* by William A. Arnold (The University of Akron)

## Session 4: New and Different Approaches to Simulation

**15:30 – 17:00**                   **St. Charles B**

- *Dynamic Model of the FutureGen 2.0 Coal-Fueled Oxy-Combustion Power Plant with CO<sub>2</sub> Sequestration* by William A. Arnold (Babcock & Wilcox Company)
- *LADWP Combined Cycle Intelligent Tutoring System 3KEYITS™* by Jake Rodriguez and David Newcomer (LADWP & WSC)

# Fossil Agenda

Tuesday, 21 January 2014

## **Session 5: Combined Nuclear/Fossil - Virtual Simulation Technologies**

**8:30– 10:00                      Astor III                      Chair: Rick Baker (Quad Cities)**

- Use of V-Panel Technology for Back Panel Equipment by Aline Griffin (Grand Gulf)
- Leveraging Photo-Realistic Laser Scans and 3D Models to Provide an Efficient Training and Production Support Tool by Abrie Venter (Samahnzi)
- The Fermi EDG Simulator: Extending the Benefits of the Full Scope Simulator by Vincent Gagnon (L-3 MAPPS) and Bryan Crone (DTE Energy)
- ALARA Planning – 3D Simulation and Work Planning in Radioactive Environments by Erica Simmons (Siemens)

## **Session 6: ISA 77.20 Committee Meeting (open)**

**10:30 – 12:00                      St. Charles B                      Chair: Alex Lekich (GSE Systems, Inc)**

## **Session 7: Round table**

**13:30 – 15:00                      St. Charles B**

- Simulation Real World Usage Other than Training, Panel Members: Jason Lee & John Corkill (Cassper Simulation Solutions), Billy Moore (Emerson Process Management) and Alex Lekich (GSE Systems, Inc.)

## **Session 8: Utility Only (No vendors please)**

**15:30 – 17:00                      St. Charles B                      Chair: TBD**

# Fossil Agenda

Wednesday, 22 January 2014

**Session 9: System Integration**

**8:30 – 10:00**

**St. Charles B**

- Benefits and challenges of developing a large-scale, high-fidelity CO<sub>2</sub> capture training simulator using expedited parallel development paths by Nick Elder, Corwyn Bruce, and Chris Bryant (TRAX International, SaskPower, and Cassper Simulation Solutions)
- LADWP Haynes Repowering Project Simulator by Jake Rodriguez and David Newcomer (LADWP & WSC)

**Session 10: Planning & Closing Remarks**

**10:30 – 12:00**

**St. Charles B**

# *Notes*

# Nuclear Agenda

Monday, 20 January 2014

## Welcome and Introductions

8:30 – 8:45

Astor III

Chair: Scott Cupp (ANO)

## Session 1: Simulator Hardware

8:45 – 10:00

Astor III

Chair: Jeff Mercer (Vogtle)

- Cooper I/O Upgrade by Jim Florence (Cooper), Michael Colavito (TMI), and Evan Lloyd (Exitech)
- Development of LED Annunciator Panels at Calvert Cliffs by John Stone (Corys) and Dave Gittens (CENG)
- I/O Modernization at Almaraz NPP Simulator by Julio Mendez (Tecnatom)

## Session 2: Next Generation Simulators

10:30 – 12:00

Astor III

Chair: Gerry Wyatt (Palo Verde)

- Vogtle 3/4 Simulator Development by Dennis Spielman (Vogtle)
- What Does Next Generation Really Mean – Where Are We Spending Our Money? by Gerry Wyatt (Palo Verde)
- Tablets and Windows 8: The Instructor Station of the Future by Stanley Chan (Corys)

## Session 3: Recent Simulator Upgrades

13:30 – 15:00

Astor III

Chair: Pablo Rey (Tecnatom)

- Susquehanna Simulator DEHC Implementation and Benefits by David Newcomer (Western)
- Diablo Canyon Simulator Upgrade: The Results by Gregory Zakaib (L-3 MAPPS) and Tom Luniewski (Diablo Canyon)
- Modernization of the Spanish Simulation Fleet by Pablo Rey (Tecnatom)
- Lessons Learned from Monticello Simulator Upgrades by Joe Yarbrough (Monticello)

## Session 4: Engineering and Human Factors Simulation

15:30 – 17:00

Astor III

Chair: Kashmir Singh (EDF Energy)

- Human Performance Improvement with HFE by Steve Freel (GSE)
- Using a Glasstop Nuclear Power Plant Simulator for Control Room Modernization by Kirk Fitzgerald (INL)
- ENEC Generic PWR Intelligent Tutoring System 3KEYITS by David Newcomer (Western)
- Naval Automation & Simulation: It's Similar to What We Do in Power Plant Simulation by Michael Chatlani (L-3 MAPPS) and Bernhard Weiss (L-3 MAPPS)

# Nuclear Agenda

Tuesday, 21 January 2014

## **Session 5: Combined Nuclear/Fossil - Virtual Simulation Technologies**

**8:30– 10:00**

**Astor III**

**Chair: Rick Baker (Quad Cities)**

- Use of V-Panel Technology for Back Panel Equipment by Aline Griffin (Grand Gulf)
- Leveraging Photo-Realistic Laser Scans and 3D Models to Provide an Efficient Training and Production Support Tool by Abrie Venter (Samahnzi)
- The Fermi EDG Simulator: Extending the Benefits of the Full Scope Simulator by Vincent Gagnon (L-3 MAPPS) and Bryan Crone (DTE Energy)
- ALARA Planning – 3D Simulation and Work Planning in Radioactive Environments by Erica Simmons (Siemens)

## **Session 6: Engineering and Human Factors Simulation Part II**

**10:30– 12:00**

**Astor III**

**Chair: Kashmir Singh (EDF Energy)**

- Human Factor Engineering using the Flamanville 3 EPR Full-Scope Simulator by Pascal Gain (Corys)
- Integrated Control Room Operator Performance Laboratory (INCONTROL) by Bob Bailey (Center for Adv Engr Research)
- Case Studies on Using the Sizewell B MCR Simulator to Facilitate Task Analysis and HRA by Bryan Coxson (EDF Energy)

## **Session 7: Simulator Management**

**13:30– 15:00**

**Astor III**

**Chair: Denver Walker (ANO)**

- Simulator Source Management: The L-3 MAPPS Way by Raymond Dimitri-Hakim (L-3 MAPPS)
- Simulator Supervisor Course by Jeff Mercer (Southern) and Scott Zepplin (GSE)
- Simulator Integrated Maintenance Environment by Andy Jedlowski (Exelon) and Terri Chapin (GSE)
- Filling Simulator Vacancies by Norman Good (TVA)

## **Session 8: Fukushima Simulation Impacts**

**15:30– 17:00**

**Astor III**

**Chair: Jim Redwine (Columbia)**

- Fukushima Response at Ontario Power Generation by David LaPointe (Pickering)
- Things That Need to be Modeled for Post Fukushima by Scott Zepplin (GSE)
- Getting Your Fingers into the Fukushima Wallet by Jim Redwine (Columbia)

# Nuclear Agenda

Wednesday, 22 January 2014

## Session 9: International Simulator Upgrades

8:30 – 10:00

Astor III

Chair: Tim Church (Bruce Power)

- Overcoming Beznau Simulator Upgrade Challenges by Roger Lufi (Axpo Power AG)
- A New Full Scope Simulator for the Angra I Brazilian Nuclear Power Plant by Pablo Rey (Tecnatom) and Javier Lopez Zazo (Tecnatom)
- DCS Implementation Options – Recent Experience from EDF Energy by Simon Richardson (EDF Energy)

## Session 10: Severe Accident Simulation

10:30 – 12:00

Astor III

Chair: Tim Vriezema (DC Cook)

- Beyond Design Basis Training by Shawn Quick (Exelon)
- Allowing Application of PSA Results in Simulators by Steve Freel (GSE)
- MAAP5 Severe Accident Simulation on the Ling Ao Phase II Full Scope Simulator by Robert Boire (L-3 MAPPS)

## Session 11: NRC Update

13:30 – 15:00

Astor III

Chair: Scott Cupp (ANO)

- NRC Regulatory Perspective by Larry Vick, NRC/NRR

## Session 12: ANS-3.5 Working Group

15:30 – 17:00

Astor III

Chair: Jim Florence (Cooper)

- Reflections on Twenty-Five Years as a Member of the ANS-3.5 Working Group by Bob Felker (Western)
- Introduce the ANS-3.5-201x Standard Working Group by Jim Florence
- ANS-3.5-201x Project Status by ANS-3.5 Working Group
- ANS-3.5 Standards Transition Status by Tim Dennis
- Q&A with ANS-3.5 Working Group Members in Attendance by ANS-3.5 Working Group

# Nuclear Agenda

Thursday, 23 January 2014

**Session 13: USUG Annual Business Meeting (USUG Members Only)**

**8:30 – 10:00                    Astor I                    Chair: Scott Cupp (ANO)**

- Review of Previous Minutes
- Election of Officers
- Regional Reports
- Old Business
- New Business
- Action Items
- Recent Inspections
- Recent INPO ATV and E&As

**Session 14: USUG Annual Business Meeting (USUG Members Only)**

**10:30 – 12:00                    Astor I                    Chair: Scott Cupp (ANO)**

- ANSI/ANS-3.5
- Severe Accident Models
- Virtual Simulation

**Session 15: Regional Workshops**

**13:30 – 15:00                    Astor I, II, and III**

**L-3 MAPPS Owners Circle™ Conference Day 1 (invitation only)**

**15:00 – 17:00                    Bourbon                    Chair: Michael Chatlani (L-3 MAPPS) and Bernhard Weiss (L-3 MAPPS)**

# Nuclear Agenda

Friday, 24 January 2014

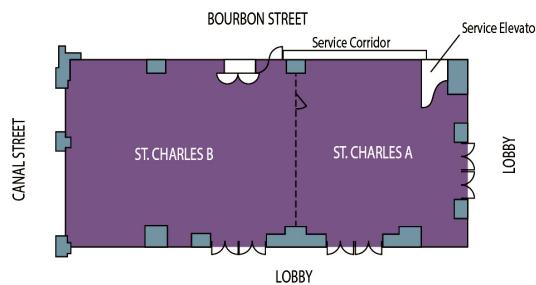
**L-3 MAPPS Owners Circle™ Conference Day 2 (invitation only)**

**8:30 – 15:30      Bourbon      Chair: Michael Chatlani (L-3 MAPPS) and Bernhard Weiss (L-3 MAPPS)**

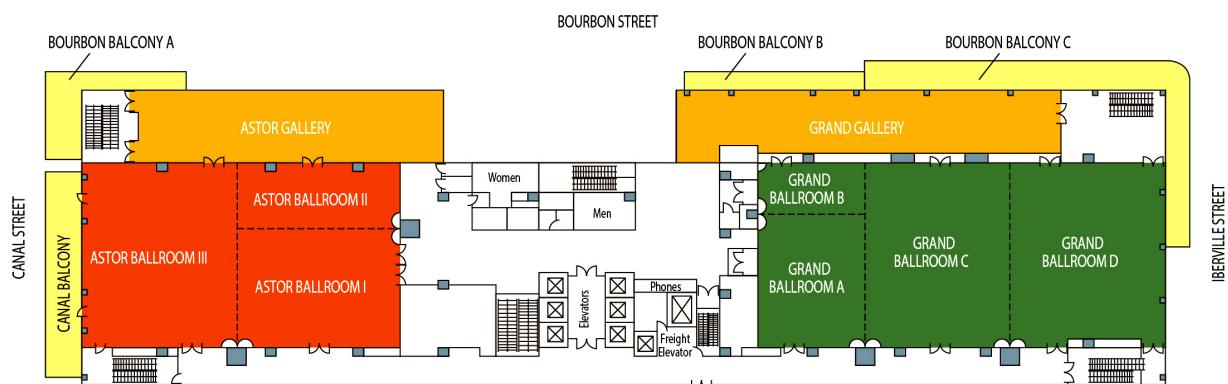
# Notes

# Hotel Floor Plan

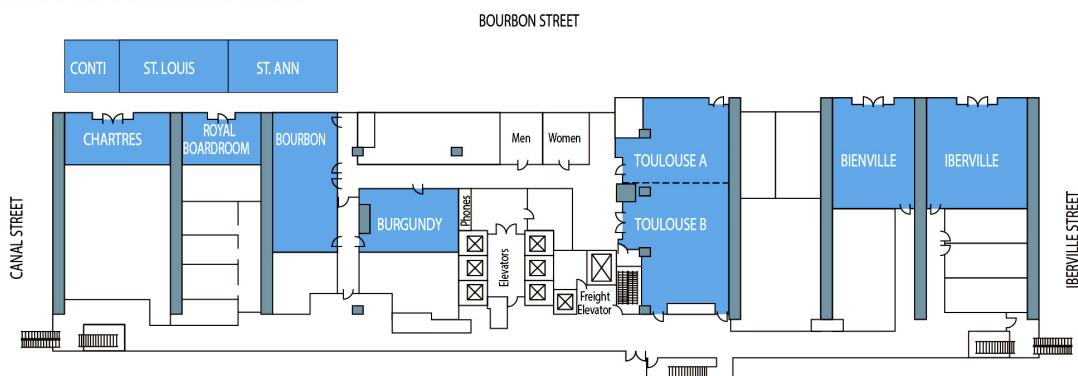
## FIRST FLOOR/LOBBY



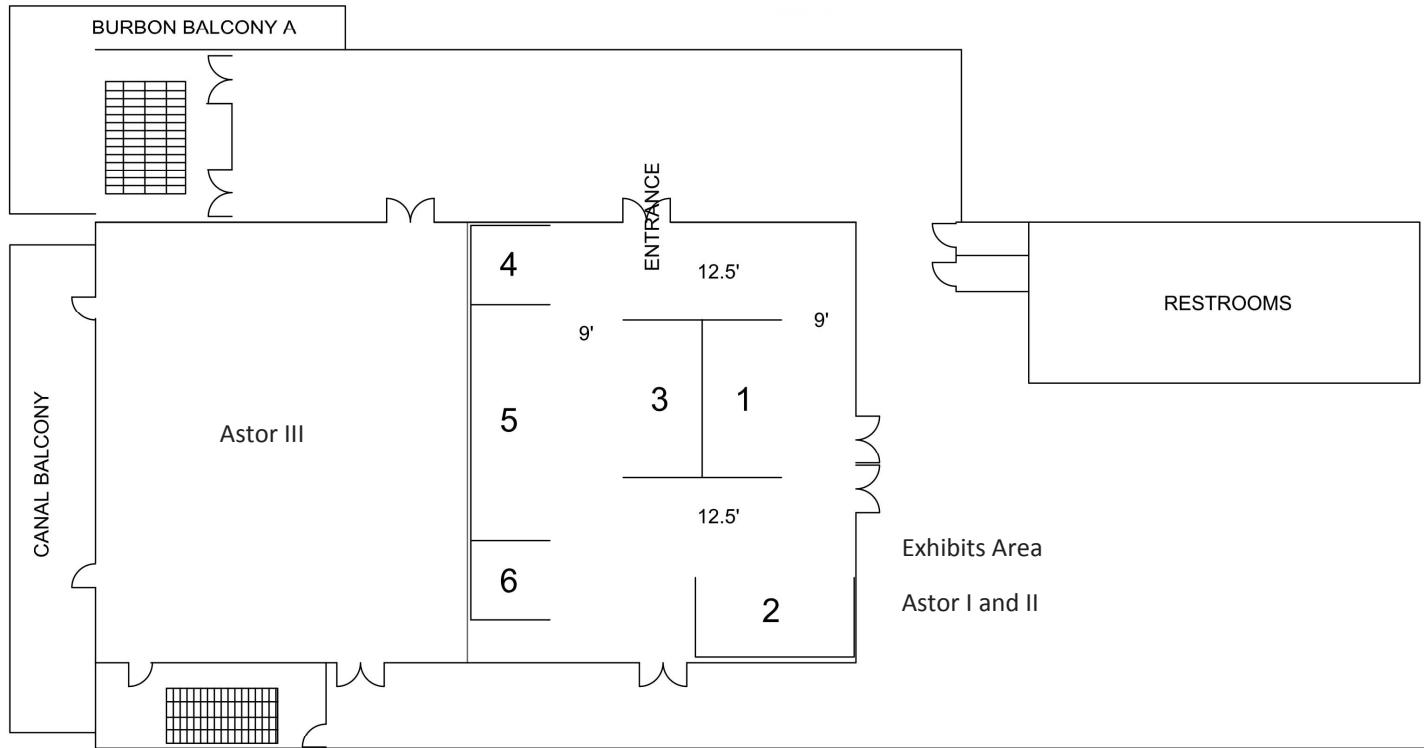
## SECOND FLOOR



## SECOND FLOOR MEZZANINE



# Exhibitors Floor Plan



Booth 1 - GSE Systems

Booth 4 - Westinghouse

Booth 2 - CORYS Thunder

Booth 5 - L3 MAPPS

Booth 3 - Western Services Corp

Booth 6 - TMI LLC

# Nearby Restaurants

## **Bayona**

Address: 430 Dauphine St, New Orleans, LA 70112-3406

Phone: 504-525-4455

Website: [www.bayona.com](http://www.bayona.com)

Defying definition or simple classification, Susan Spicer's team creates food that moves across a spectrum of styles and influence. Using the best local ingredients, to craft flavorful, balanced yet complex dishes is Bayona's specialty.

## **The Pelican Club**

Address: 312 Exchange Place in the French Quarter, New Orleans, LA 70130-2225

Phone: 504-523-1504

Website: [www.pelicanclub.com](http://www.pelicanclub.com)

The Pelican Club, offering a wide range of fabulous New Orleans dishes, consists of three dining rooms and a large bar fashioned from a handsome, 19th-century French Quarter townhouse, rising from the corner of Bienville Street and Exchange Place in the heart of the French Quarter.

## **Dickie Brennan's Steakhouse**

Address: 716 Iberville St, New Orleans, LA 70130-2324 (Central Business District)

Phone: 504-522-2467

Website: [www.dickiebrennanssteakhouse.com](http://www.dickiebrennanssteakhouse.com)

For nearly 60 years, the Brennan family has been perfecting the art of beef preparation in their family restaurants. That's why at Dickie Brennan's Steakhouse we grill our chops, sear our strips, oven-roast our prime rib and broil our filets. The same level of attention extends to the service. In Dickie Brennan's own words, "We're not here for today, we're here for 50 years down the road."

## **Acme Oyster House**

Address: 724 Iberville Street, New Orleans, LA 70130 (Central Business District)

Phone: 504-522-5973

Website: [www.acmeoyster.com](http://www.acmeoyster.com)

For over 100 years, Acme has been satisfying the hungriest of people all over the world! It's quality you can taste in the fresh, hand-shucked Louisiana oysters. Whether served ice cold on the half shell, chargrilled and sizzling in garlic butter or fried to golden perfection, Acme oysters are some of the best you'll ever have.

# Nearby Restaurants

## **GW Fins**

Address: 808 Bienville St, New Orleans, LA 70112

Phone: 504-581-3467

Website: [www.gwfins.com](http://www.gwfins.com)

Step inside GW Fins and prepare to take your taste buds on a flavorful and exciting journey. GW Fins prides itself on serving the freshest and finest quality seafood available from around the world. Owners Gary Wollerman and Tenney Flynn have created a simple yet sophisticated menu philosophy. Chef Flynn incorporates cooking techniques that enhance the bright flavors of the seafood, rather than masking them with heavy sauces and other ingredients.

## **Red Fish Grill**

Address: 115 Bourbon St, New Orleans, LA

Phone: 504-598-1200

Website: [www.redfishgrill.com](http://www.redfishgrill.com)

Red Fish Grill is an award-winning casual New Orleans seafood restaurant located at the gateway to the French Quarter at 115 Bourbon Street, just one block off of Canal Street. For decades, the 100 block of Bourbon Street was dominated on the Lake-side by the D.H. Holmes Company's flagship department store, and on the River-side, by a Woolworth's store. Because the retail stores were closed in the evenings, the 100 block of Bourbon Street became a dark and unappealing gateway into the French Quarter.

## **Bourbon House**

Address: 144 Bourbon St, New Orleans, LA

Phone: 504-522-0111

Website: [www.bourbonhouse.com](http://www.bourbonhouse.com)

Dickie Brennan's Bourbon House is all about local seafood. If it's not in season, you won't find it on the menu. Enjoy authentic New Orleans dishes at New Orleans' premier oyster bar and seafood restaurant. Bourbon House boasts a lively atmosphere with huge picture windows overlooking Bourbon Street. The dining rooms of this famous French Quarter restaurant are indicative of New Orleans' European heritage, with handcrafted wrought iron and custom millwork.

# Things to Do in New Orleans

## **Audubon Aquarium of the Americas**

1 Canal St., New Orleans, LA 70130

(504) 581-4629, (800) 774-7394

[www.auduboninstitute.org](http://www.auduboninstitute.org)

Description: Discover a world filled with 15,000 water-loving creatures, like graceful seahorses, neon-colored frogs and jaunty penguins. Come face to face with a white alligator. Pet a baby shark. And feel like an undersea explorer as you walk through the 30-foot-long Caribbean Reef tunnel. With so much to explore, you could spend all day at this amazing, state-of-the-art museum.

## **Audubon Butterfly Garden and Insectarium**

423 Canal St., Custom House, New Orleans, LA 70130

(504) 581-4629, (800) 774-7394

[www.auduboninstitute.org](http://www.auduboninstitute.org)

Description: Dedicated to over 900,000 species of insects and their relatives, the Audubon Butterfly Garden and Insectarium gives you a glimpse into the beautiful, exciting world of these curious creatures. Inside you'll find a Hall of Fame showcasing amazing specimens, a recreated swamp habitat, a café with insect-themed fare, and a Japanese garden with free-flying butterflies. Bring your camera for incredible photo-ops in this interactive, 23,000-square-foot space.

## **Canal/Algiers Ferry - Canal Street Terminal**

1 Canal St., New Orleans, LA 70130

(504) 250-9110

[www.friendsoftheferry.org](http://www.friendsoftheferry.org)

Description: Used by locals on their daily commutes, the ferry also serves as a fast, scenic way to navigate from one end of the city to the other. See why New Orleans is called the Crescent City as you make your way from the foot of Canal Street to historic Algiers Point on the West Bank. During the day you can see the legendary, muddy waters of the Mississippi. And at night, watch the city skyline sparkle in the distance. Whenever you make your journey, the ferry is a great place to get tips and recommendations from true New Orleanians.

## **Lafayette Square**

602 Camp St., New Orleans, LA 70130

Description: First known as Place Gravier, it became Lafayette Square after Lafayette's visit to New Orleans in 1825. Located adjacent to Gallier Hall, Lafayette Square has been the site for inaugurations, yearly pilgrimages by school bands, and jazz concerts for over 150 years

# Things to Do in New Orleans

## **Champions Square**

Lasalle St., New Orleans, LA 70112

(504) 587-3663, (800) 756-7074

[www.superdome.com](http://www.superdome.com)

Description: Champions Square is "the" place to party before or after any big event! Relax with refreshing drinks and food from notable restaurants while taking in the festive entertainment in the Square's performance stage fully equipped with the latest technology.

## **City Tour**

The City tour will take you everywhere. The French Quarter, the 9th Ward where the levee's broke for Hurricane Katrina, Creole homes on West Esplinade Ave., the Antebellum mansions in the Garden District, and Saint Louis Cemetery #3. It's a 2 hour tour that picks up and drops off in front of the hotel. The tour times are 9:00am, 1:00pm, and 4:00pm 7 days a week.

## **Plantation Tour**

The plantation tours will take you to the 2 most popular plantations. Laura plantation and Oak Alley plantation. Oak Alley plantation is rich in beauty. 300 year old oak trees surround the alley. You will be guided through the entire property and all the rooms in the main house. Where Oak Alley is rich in beauty Laura plantation is rich in history. Laura is the most historically accurate of all the plantations when they would have been in full operation. You will be guided through the entire property, the slaves quarters, and all the rooms in the main house. DO NOT FORGET YOUR CAMERA! The times it picks up from the hotel are 8:30am, 10:30am, and 12:00pm.

## **Haunted History Ghost Tour**

A fantastic tour would be the Haunted History GHOST TOUR! It's NOT a halloween spook house. It does take you to documented haunted buildings in the city and it talks about the dark side of this city's history. There is a break in the middle of the tour. It is a bar break and it takes you to a haunted bar.

*Please contact the hotel concierge for all tour dates and times and he will have your tickets and confirmation waiting at the desk for your arrival. You are welcome to book the tours as far in advance as you like.*

Federico

Chief Concierge

Astor Crowne Plaza

Desk: 504-962-0570

Cell: 504-432-2062

# Upcoming SCS Conferences

## 2014 Spring Simulation Multi-conference (SpringSim'14)

April 13 - 16, 2014

Grand Hyatt Tampa Bay, Tampa, FL, USA

The Spring Simulation Multi-Conference 2014 (SpringSim'14) brings leading experts in various domains of Modeling and Simulation together. The Theory of Modeling and Simulation (TMS/DEVS 2014) will be a sub-conference of SpringSim.

The conference includes keynote speeches presented by technology and industry leaders, technical sessions, professional development courses and seminars, as well as vendor exhibits. Scientists, engineers, managers, educators, and business professionals who develop or use simulation tools are invited to participate and present original papers. Proposals are solicited for papers, panels, tutorials, workshops, seminars, exhibits, social activities and for other presentation, discussion and sponsorship formats. People are always welcome to benefit by taking an organizing role. SpringSim'14 offers many ways to promote simulation products and to enhance corporate images. You are invited to use the Spring Simulation Multi-conference in ways that best serve your interests.

The following symposia are scheduled:

- Annual Simulation Symposium (ANSS)
- Symposium on Theory of Modeling and Simulation (TMS/DEVS)
- Agent-Directed Simulation (ADS)
- Communications and Networking Symposium (CNS)
- High Performance Computing Symposia (HPC)
- Symposium on Simulation for Architecture and Urban Design (SimAUD)
- Posters session and Student Colloquium

Please visit [www.scs.org](http://www.scs.org) for key dates and deadlines, or call the SCS office at (858) 277-3888



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# Upcoming SCS Conferences

## 2014 Summer Simulation Multi-conference (SummerSim'14)

July 6 - 10, 2014

The Hyatt Regency Monterey, Monterey, CA, USA

The Summer Simulation Conference 2014 (SummerSim'14) is SCS's premier international conference in cooperation with ACM SIGSIM. The conference focuses on modeling and simulation, tools, theory, methodologies and applications and provides a forum for the latest R&D results in academia and industry. This year's focus is on hybrid, discrete and continuous systems, and advanced modern applications thereof. We encourage you to take this opportunity to experience the tutorials, tracks, and workshops that will be available.

The conference includes keynote speeches presented by technology and industry leaders, technical sessions, professional development courses and seminars, as well as vendor exhibits. Scientists, engineers, managers, educators, and business professionals who develop or use simulation tools are invited to participate and present original papers. Proposals are solicited for papers, panels, tutorials, workshops, seminars, exhibits, social activities and for other presentation, discussion and sponsorship formats. People are always welcome to benefit by taking an organizing role. SummerSim'14 offers many ways to promote simulation products and to enhance corporate images. You are invited to use the Summer Simulation Multi-conference in ways that best serve your interests.

SummerSim'14 will include invited speakers, quality refereed papers, timely topical workshops, joint plenary sessions, consolidated registration, and access for registrants to all Multi-conference activities.

The following symposia are scheduled:

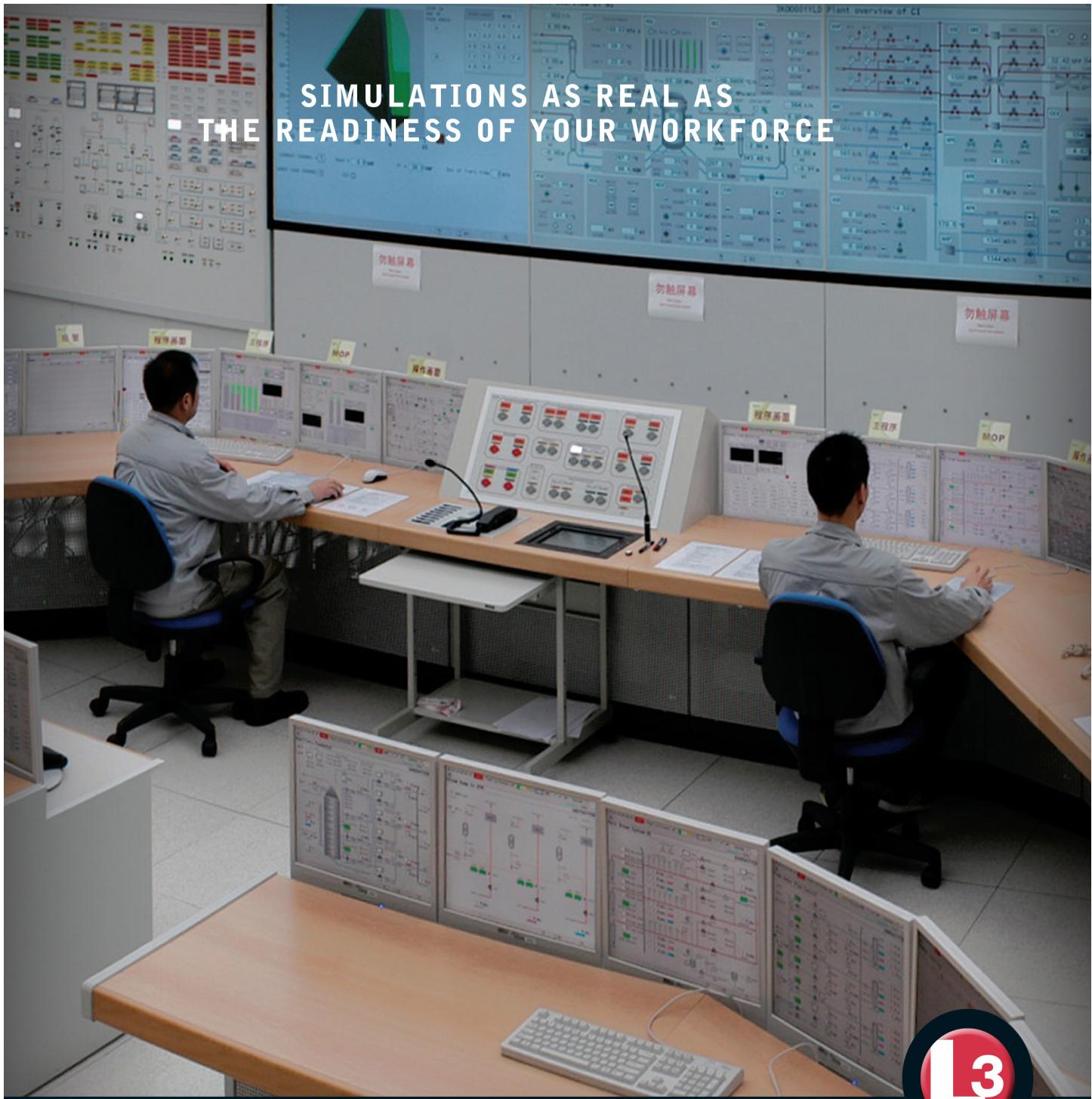
- International Conference on Bond Graph Modeling 2014 (ICBGM'14)
- International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2014 (SPECTS'14)
- Summer Computer Simulation Conference 2014 (SCSC'14)

Please visit [www.scs.org](http://www.scs.org) for key dates and deadlines, or call the SCS office at (858) 277-3888



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# Notes



L-3's superior training environments use Orchid® simulation products to give plant operators the skills to handle any emergency response situation. No matter how complex or dangerous, any scenario can be reproduced, monitored and varied — realistically and in real time. To see how over 40 years of expertise in advanced simulation can make a very real difference to you today and tomorrow, visit [www.L-3com.com/MAPPS](http://www.L-3com.com/MAPPS).

