

POWERPLANTSIM

Power Plant Simulation Conference 2024

FEBRUARY 11-15, 2024

Hilton Myrtle Beach Resort, Myrtle Beach, South Carolina, USA

2024 PowerPlantSim

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February 11-15, 2024 The Hilton Myrtle Beach Resort 10000 Beach Club Dr., Myrtle Beach, SC 29572

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General Information

General Chair

Michael Strawser

Registration

Mezzanine

Sunday, February 11, 2024: 4:00 pm to 6:00 pm Monday-Wednesday, February 12-14, 2024: 8:00 am to 5:00 pm Thursday, February 15, 2024: 8:30 am to 1:30 pm

General Session

West Ballroom Monday, February 12, 2024: 8:30 am

Exhibit Area

Center Ballroom

Monday-Tuesday, February 12-13, 2024: 9:00 am to 5:00 pm Wednesday, February 14, 2024: 9:00 am to 12:00 pm

Breakfasts

Center Ballroom

Breakfast: Monday-Wednesday 8:00 am to 9:30 am Coffee Only: Thursday 8:00 am to 8:30 am

Breaks

Center Ballroom

AM Coffee Only Break: Monday-Thursday 10:00 am to 10:30 am PM Coffee & Pastry Break: Monday-Wednesday 3:00 pm to 3:30 pm

Training Information

West Ballroom Nuclear Training: Thursday, February 15, 2024: 8:30 am to 3:00 pm

General Information

USUG Meetings*

West Ballroom USUG Meeting:

Sunday, February 11, 2024 5:00 pm to 6:00 pm

Wednesday, February 14, 2024 3:30 pm to 5:30 pm

L3Harris MAPPS Inc.**

Super Bowl, Hors d'oeuvres, and Cocktails Clearwater Oyster Bar & Grill 9717 N Kings Hwy, Myrtle Beach, SC 29572

> Sunday, February 11, 2024 6:00 pm to 8:00 pm

CORYS Reception**

Black Drum Brewing – 2nd Floor 9750 Queensway Blvd, Myrtle Beach, SC 29572

> Monday, February 12, 2024 7:00 pm to 10:00 pm

WSC Reception** The Hilton Myrtle Beach Resort—Atlantic View 2

> Tuesday, February 13, 2024 7:00 pm to 10:00 pm

WIFI and Shuttle Information

WIFI is included in the conference meeting space.

The hotel provides a shuttle that can take guests to places within a 2-mile radius. Wait times can take about 12-15 minutes at a time.

*USUG members only **All conference attendees are invited

Welcome to PowerPlantSim'24

On behalf of The Society for Modeling and Simulation International, (SCS), we wish to express our warmest welcome to all participants, organizers and exhibitors of the 2024 Power Plant Simulation Conference (PowerPlantSim'24). Thank you for traveling to our event during these trying times. All attendees are welcome to attend all of the sessions and activities unless otherwise noted in the agenda.

PowerPlantSim'24 offers a great forum for worldwide researchers and practitioners from Academia, Industry, Business, and Government to share their expertise, results, learn training methods and share research findings relating to the Support Simulation and Nuclear energy community.

We wish to thank the many individuals, whose dedicated effort contributed to the success of the event.

Thank you Michael Strawser, Talen Energy

Exhibitors

L3Harris MAPPS Inc.

2024 Powerplant Conference Sponsor

HIGH REALISM SIMULATION & TRAINING

For over five decades, L3Harris (L3Harris MAPPS Inc.) has worked with leading utilities, plant designers and research organizations to create superior operator training simulators and simulators to assist in and de-risk plant builds. We have established ourselves as the world's pre-eminent manufacturer of high-realism power plant simulators, powered by the second-to-none Orchid® simulation environment. In addition, L3Harris' 2D and 3D interactive Learning Technologies are sure to increase your students' understanding and retention of power plant fundamentals and systems. Our 3D Digital Twins with unmatched immersion support Operations, Training, Engineering, Work Management/Outage Planning, Security, Radiation Protection, Maintenance and many other functions.

L3Harris has deployed the world's highest fidelity operator training simulators for HWR, GCR, BWR and PWR nuclear plants. Our simulators are also used to support operator training at coal, oil & gas, GT and CCGT plants.

We have vast experience in supporting New Build projects with our simulation solutions—resulting in significant error reduction in plant designs. Most recently, our technology has been applied to the simulation of a first-of-a-kind Molten Salt Reactor, resulting in significant industry recognition.

With our Learning Technologies (Learning Modules, System Knowledge Modules and Learning Simulators), we capitalize on the use of interactive visualization to further the objectives of power plant training programs by improving or augmenting the learning experience with a higher degree of efficiency, retention and accessibility.

Orchid® IX is the most realistic, fully immersive display technology available today. Whether troubleshooting complex plant equipment, enhancing worker knowledge, conceptualizing and designing new large-scale reactors or SMRs, planning plant outages, monitoring and managing fleet operations, or decommissioning end-of-life plants, Orchid® IX provides a safe and highly realistic virtual world to get it done right. It is also provides significant value to visitor centers to virtually showcase high-value assets and improve the learning experience for the public and other stakeholders.

L3Harris' superior learning and training environments provide clear advantages for obtaining operator licenses/certification, optimizing plant operating procedures, accelerating learning and reducing costs. Personnel trained with our technology acquire the skills necessary to increase plant performance, minimize downtime, and provide confident emergency response.

(Booths 3 & 4)

CONTACT: Isabelle Derry Isabelle.Derry@L3Harris.com 8565 Côte-de-Liesse Montréal, Québec Canada H4T 1G5 https://www.l3harris.com/



<u>CORYS</u>

CORYS is a world leader in high fidelity simulation for training and engineering design. We create sophisticated models of complex systems for the nuclear power industry, including fluid (single and multi-phase), gaseous, electrical and I&C systems. Building on more than 30 years of experience developing simulations for multiple plant types, including both PWR and BWR, CORYS has developed a mature, well-proven toolset which creates highly accurate models capable of supporting engineering design and analysis as well as operator training. We offer innovative and high-tech solutions including digital twins and cloud delivery of solutions. CORYS technology powers more simulators than any other simulator vendor in the world

(Booths 9 & 10)

CONTACT: Jody Ryan Jody.ryan@corys.com 1351 Tradeport Dr. Jacksonville, FL 32218 www.corys.com



GSE Solutions

Since building the first commercial full-scope nuclear reactor simulator in 1971, we have delivered more full-scope simulators than all our competitors combined. GSE Engineering, Systems & Simulations, a division of GSE Solutions, offers simulation applications beyond training to provide a deeper understanding of plant design issues, procedural deficiencies, and reliability improvements. With a large staff dedicated to power plant simulation, we bring the size, expertise, management skills, and experience to ensure that every project is done right, on time, and within budget.

(Booth 7)

CONTACT: Sunny DeMattio sunny.demattio@gses.com 6940 Columbia Gateway Dr. Columbia, MD 21046 www.gses.com



<u>SimGenics</u>

1. Overview

SimGenics offers software solutions to enhance the quality and efficiency of technical training, and to streamline day-to-day operations at industrial facilities. Our solutions leverage existing software assets and greatly increase the return on investment for those assets. By incorporating the latest simulation and media software technologies, our SimuPact software framework is unrivalled and features a user-friendly, next-generation interface for our clients to customize the software for their needs.

2. Products and Services

Full Scope Training Simulators:

We offer High Fidelity, Full Scope Training Simulators that are custom-built for all types of fossil/ nuclear power plants and process plants. Our full-scope simulators support Simulated, Emulated and Virtual DCS/HMI integration with all major I&C vendors.

Reduced-Scope Training Simulators:

The target market of these products is the same as for Full-Scope Training Simulators, the only difference being that it is stripped of most secondary elements and only focus on the primary processes and engineering principles involved. This results in a lower cost product with much of the advantages of the Full-Scope product.

Unit Process Simulators:

Unit processes are focused training modules that teach specific power plant principles, operating philosophies, and control fundamentals. In addition to being substantially lower priced than a full scope simulator, a unit process simulation emulated only processes and controls important to training. This enables the trainee to easily identify and isolate cause-and-effect phenomena.

3D PACT:

3D PACT is a revolutionary suite of real-time 3D Training and Production Support Tools. It is based on video gaming technology and adds the ability to create or use existing 3D CAD models of industrial facilities and integrate them with 3rd party software tools such as Plant Information Databases, ERP systems, or existing Training Simulators.

Off-the-Shelf Simulators:

SimGenics offers several off-the-shelf simulator packages to schools, colleges, universities, and technical training centers. These products target both students and highly experienced professionals at all levels of the industry. They run on a standard Windows XP/Vista/7/10 PC and features colorful, user-friendly HMI screens.

SimGenics (Continued)

Virtual Instructor:

Easily create interactive training modules that guide trainees through operating procedures. It optimizes knowledge from experienced staff. Unrivaled Trainee Performance Measurement (TPR) options are provided:

- Instructors can compile elaborate performance requirements for trainees to comply with while executing procedures/scenarios.

- Out of Bounds (OBB) Monitor to ensure trainees never receive negative training.

- Tutorial (TUT) messages to assist trainees during training sessions, with flexible scoring penalties are assistance is required during test situations.

- Instructorless 24/7 training is possible using VI's powerful scenario/procedure builder.

PowerOPS HMI:

The NUREG-0700 requirements for nuclear power plants contain the guidelines for reviewing seven Human-Machine-Interface (HMI) systems: alarm system, safety parameter display system, group-view display system, soft control system, computer-based procedure system, automation system, and communication system. The guidelines include the functional aspects of the system, as well as any unique considerations for display, user-system interaction, and control that may be needed to review the system.

The SimGenics PowerOPS is used for HMIs that should be NUREG-0700 compliant.

3. Office Locations:

Colorado, United States: 627 24 ½ Road, Suite B Grand Junction, Colorado, 81505 Texas, United States:

558 Silicon Dr, Unit 101 Southlake, Texas, 76092

South Africa:

169 Corobay Avenue, Unit A-3003 Waterkloof Glen, Pretoria, South Africa

Australia:

16 McDougall Street, Level 1 Milton, Queensland, 4064

CONTACT: Francois Laubscher flaubscher@simgenics.com 558 Silicon Dr, Unit 101 Keller, Texas, 76092 www.simgenics.com



(Booths 1 & 2)

Studsvik Scandpower, Inc.

Studsvik Scandpower is the global leader in the development and support of fuel vendor-independent reactor analysis software for PWRs, BWRs, VVERs, SMRs and Advanced Reactors. Studsvik offers a full suite of licensing-grade software and consulting services to support operating plants, fuel vendors, safety authorities, next-generation reactor developers and research organizations. Studsvik's products are used throughout the world for reactor fuel and core design, analysis, and operational support.

(Booth 6)

CONTACT: Melanie Joseph melanie.joseph@studsvik.com 101 N. 3rd Street, Suite 202 Wilmington, NC 28401 https://www.studsvik.com/

Studsvik

Westinghouse Operating Plant Services

At Westinghouse, we have been advancing nuclear power plant design and operations for more than 60 years. That experience informs and enhances our ability to provide complete turnkey management services to any nuclear power plant in the world, from the essential task of meeting operating, regulatory and manufacturing mandates, to the critical challenge of maximizing operating margins, increasing power output and extending plant life.

We're experts in the everyday tasks of delivering, storing and disposing of nuclear fuel; designing and manufacturing fuel-handling equipment; executing plant outages with minimal downtime; supplying, repairing and replacing nuclear components; and providing complete training, engineering and automation services.

Safety, predictability, reliability and efficient, worry-free performance - you can count on Westinghouse to deliver on all these promises to maximize your plant's operation.

(Booth 8)

CONTACT: Paula Eugenia Mateos Mangas paulaeugenia.mateosmangas@westinghouse.com Avda. Montes de Oca, 1 Madrid, Spain 28703 www.tecnatom.es



<u>WSC, Inc.</u>

WSC, Inc. is a privately held, global simulation and services company headquartered in Frederick, Maryland, USA. WSC's vision is to provide innovative, state-of-the-art, simulation products and services that add value in the design, commissioning, and safe and reliable operation of power generating or process plant assets. This is achieved through the use of the technology in engineering design and training.

WSC's 3KEYSOFTWARE products provide a wide range of simulation technology to clients worldwide. Our 3KEYMASTER based Simulation Assisted Engineering processes is used by leading engineering firms for systems and controls design and verification. WSC also offers web-based simulation technology, making simulator development and training available to engineers and students through the internet worldwide.

- 3KEYMASTER[™] comprehensive simulation platform for model development, integration, execution, testing, visualization, and analysis. Efficient, high-fidelity, object-oriented graphical modeling tools to simulate all types of components and systems found in power or process plants.
- This environment complemented with engineering grade models such as RELAP5 advanced-thermal hydraulic code has become a tool used throughout the world to analyze transients in light water nuclear reactors. This environment allows for predictive simulation of nuclear reactors and sets the standard for thermal hydraulic modeling,
- The 3KEYMASTER includes an Instructor Station, a full-featured Windows-based graphical product for the control and monitoring of simulators and support of instructors in conducting training exercises. Including normal and abnormal operations of a complex asset.
- The simulators include the process modeling as well as a replication of the distributed digital control systems found in modern process and power plants. A full range of Distributed Control Systems (DCS) implementation and verification is provided as part of the solution.
- WSC has also introduced the Intelligent Tutoring System 3KEYITS educational software to support the industry in training of engineers and operators through scripting of lesson plans and allowing students to use these with or without an instructor lead classroom.
- Through Web-based Simulation delivery the simulator's training is now available on a student's personal computer through the internet. Cloud-based Simulation technology makes classroom training and group exercises available to students worldwide.

WSC has installed more than 250 simulators for nuclear, thermal, combined cycle, hydro, renewable, grid, oil & gas, desalination, marine and other applications. Our customer base has grown to over 120 companies and organizations including public and private utilities, architect engineers, colleges and universities, and major national and international institutes.

WSC is committed to the simulation marketplace and continues to invest in the development of advanced simulation technology for engineering and educational applications. WSC provides our customers with a corporate commitment to excellence from a stable, high technology engineering firm.

(Booth 5)

CONTACT: Debbie Van de Poll deborah@ws-corp.com 7196 Crestwood Blvd. #300 Frederick, MD 21703 www.ws-corp.com



Exhibitors Reception's

poverplantGin 2024 idelcome

JOIN US FOR OYSTERS, DRINKS, AND THE SUPERBOWL!

L3HARRIS MAPPS INC.

SUNDAY, FEBRUARY 11, AT 6:00 PM TO 10:00 PM

CLEARWATER OYSTER BAR & GRILL 9717 N KINGS HWY, MYRTLE BEACH, SC 29572



For questions, contact the SCS Office at 858-277-3888 or at scs@scs.org

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Training



Training will take place on Thursday, February 15, 2024 from 8:30 am to 3:00 pm. Training is included in the PowerPlantSim registration. It will be presented by Jim Florence from NPPSim Consulting.

1 Workshop Objectives

Be familiar with the functional/physical and testing requirements of a nuclear power plant simulator used for operator training and examination following ANS-3.5.

2 Who Should Attend?

Target audience includes simulator test operators and management associated with the administration of a simulator testing program in accordance with ANS-3.5. All PowerPlantSim attendees are invited.

3 What Will You Gain From This Training

This workshop will address the functional/physical and testing requirements for full-scope nuclear power plant control room simulators for use in operator training and examination.

(858) 277-3888 | <u>https://scs.org/power-plant/</u> | scs@scs.org

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<u>Agenda</u>

PowerPlantSim Agenda

Monday, 12 February 2024

Welcome and Introductions by Michael Strawser

8:30 am – 8:45 am West Ballroom

Simulator Modifications

8:45 am – 10:00 am West Ballroom Chair: Michael Strawser

- Generator Protection System Plant Modification by Gerald Wyatt (Columbia)
- *Maximizing Value: The Unrivalled Benefits of a Full-scope Crew Training Simulator* by Abrie Venter (SimGenics)

10:00 am—10:30 am Coffee Only Break

Advanced Simulator Technologies

10:30 am – 12:00 pm West Ballroom Chair: Scott Cupp

- *SNAP. Artificial Intelligence Applied to Simulator's Maintenance* by Fernando Raigoso (Westinghouse)
- GSE Solutions Company Update by Ravi Khanna (GSE)

12:00 pm—1:30 pm Lunch On Your Own

Unique Simulator Applications

1:30 pm – 3:00 pm West Ballroom Chair: Michael Strawser

- *Beyond Training, Simulation Assisted Engineering, with TerraPower NATRIUM SMR* by Sam Browning (TerraPower), Oussama Ashy, and Mark Terry (WSC)
- Nuclear Power Plants Performance Improvement Let Us Fly with Digital Twins by Kashmir Singh (EDF)
- Application of Digital Twin Framework for 3D Nuclear Plant Visualization by Michael Chatlani (L3Harris)

3:00 pm—3:30 pm Coffee & Pastry Break

Simulator Upgrades

3:30 pm – 5:00 pm West Ballroom Chair: Larry Hawkins

- Upgrading the Darlington Simulators by Michael Chatlani and Evangelia Papadopoulos (L3Harris)
- *EDF Fleet Maintenance Projects.* by Isaac Gonzalez (Westinghouse)
- Dresden Computer Room and HMI Upgrades by Joe Serio (Dresden)

PowerPlantSim Agenda

Tuesday, 13 February 2024

Progress in Simulator Capabilities

8:30 am– 10:00 am West Ballroom Chair: Scott Cupp

- *Classroom and Web-Based Simulators Latest Deliveries* by Majid Mirshah, Oussama Ashy, and Mark Terry (WSC)
- *Qualification of a Glass Panel Simulator for Training and HFE* by George McCullough (Dominion)
- *I inherited the Two Worst Simulators* in the U.S. by Joe Poisson (CORYS)

10:00 am—10:30 am Coffee Only Break

Simulator Training Uses

10:30 am– 12:00 pm West Ballroom Chair: Andy Antolik

- Using Cloud-based Technology for More Accessible and Flexible Operations Training by Ravi Khanna (GSE)
- Use of Simulation Technology in the Classroom by Hal Paris (L3Harris)
- Integrated Training with NLOs by Michael Strawser (Susquehanna)

12:00 pm—1:30 pm Lunch On Your Own

Tips and Tricks

1:30 pm- 3:00 pm	West Ballroom	Chair: Skyler Brandt
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- Replacing NUMAC Radiation Displays by Skyler Brandt (Cooper)
- Living the Vision IO Power Supplies by Jared Shaver (Palo Verde)
- Leveraging GIT's Strengths in Redefining our Simulator Work Process by Enrique Benedicto (Nine Mile Point)

3:00 pm—3:30 pm Coffee & Pastry Break

Industry Events Benchmarking Results Panel

3:30 pm – 5:30 pm West Ballroom Chair: Jeremy Jackson

PowerPlantSim Agenda

Wednesday, 14 February 2024

Regulations

08:30 am - 10:00 am

West Ballroom

Chair: Michael Strawser

- *Development of a Simulator Standard from Nuts and Bolts to Regulatory Guidance* by George McCullough (Dominion)
- ANS-3.5.1-202X Creation of new Simulator Standard Update Nuclear Power Plant Simulators for Use in Simulation-Assisted Engineering and Non-Operator Training by Kashmir Singh (EDF)
- Inspection Approach of the Nuclear Safety Council for Control Room Full Scope Simulators of NPPs in Spain by Ana Artigao (CSN)

10:00 am—10:30 am Coffee Only Break

Regulations

10:30 am – 12:00 pm West Ballroom	Chair:	Michael Strawser
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- *NRC Update* by Jesse Seymour (NRC)
- *ANS-3.5-2018 Update* by Jim Florence (NPPSim Consulting)

12:00 pm—1:30 pm Lunch On Your Own

Simulator Potpourri

1:30 pm – 3:00 pm West Ballroom Chair: Joe Yarbrough

- *Rising from the Ashes: The Palisades Simulator Story* by Dave O'Farrell (CORYS) and Mike Armistead (Exitech)
- Looking Back on a Career in Simulation by Jim Florence (NPPSim Consulting)
- Monticello Simulator AV Story by Joe Yarbrough (Monticello)

3:00 pm—3:30 pm Lunch On Your Own

USUG Meeting

3:30 pm – 5:30 pm	West Ballroom	Chair: Michael Strawser

Nuclear Training

Thursday, 15 February 2024

8:00 am-8:30 am Coffee Only

10:00 am—10:30 am Coffee Only

Nuclear Training

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8:30am – 12:30pm	West Ballroom	Chair: Jim Florence	(NPPSim Consulting)

• Training—ANS 3.5 Regulatory Compliance and Performance Testing Workshop

12:30 pm—1:00 pm Lunch Provided

Nuclear Training

1:00pm - 3:00pmWest BallroomChair: Jim Florence (NPPSim Consulting)

• Training—ANS 3.5 Regulatory Compliance and Performance Testing Workshop

SIMULATION SOLUTIONS FOR ENGINEERING DESIGN, **OPERATION, MAINTENANCE AND TRAINING**

ິດໃນກີ່ເດກາ

NUCLEAR



FOSSIL



COMBINED / SIMPLE CYCLE



UNLOCK THE POWER OF SIMULATION



HYDRO, SOLAR, WIND & GRID PROCESS & OIL & GAS





MARINE

FULL SCOPE REPLICA SIMULATORS SIMULATION ASSISTED ENGINEERING WEB BASED SIMULATION DELIVERY PART TASK AND CLASSROOM FOR TRAINERS

<u>Maps</u>

Exhibitors Floor Plan



Exhibitor Booths)

Booths 1 & 2: SimGenics	Booth 7: GSE Solutions
Booths 3 & 4: L3Harris MAPPS Inc	. Booth 8: Westinghouse
Booth 5: WSC	Booths 9 & 10: CORYS

Booth 6: Studsvik

Hotel Floor Plan



Hotel Floor Plan



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COMPLETE POWER PLANT SIMULATION SOLUTIONS

When only the most comprehensive, user-friendly simulation environment will do

From full scope operator and classroom training to assisting engineers with the design and validation of new power plants, L3Harris' award-winning simulation solutions — powered by Orchid® — are the right fit to meet your most challenging needs. Whether you are looking for the highest realism for your training, want to add severe accident capabilities to your simulator, or need a robust simulation environment to de-risk plant engineering projects, L3Harris has the technology and people to ensure your success. Our Orchid simulators are used by the most discerning customers in North and South America, Europe, Africa and Asia, and we're ready to support you.

For more information on L3Harris' power plant simulation solutions, visit our website or email us at power.mapps@L3Harris.com.

L3HARRIS.COM



<u>The City of Myrtle</u> <u>Beach</u>

Restaurants in Myrtle Beach

Chestnut Hill Restaurant

9922 N Kings Hwy, Myrtle Beach, SC 29572 (843) 449-3984 https://www.chestnuthilldining.com/ Upscale American steak-&-seafood-centric dining in a formal setting built out over the water.

Flip Flops Bar and Grill

9619 Shore Dr, Myrtle Beach, SC 29572 (843) 712-2834 https://www.flipflopsbarandgrillsc.com/ Brews & American pub grub in an easygoing, beach-themed locale with an outdoor deck & sports on TV.

Coastal Grill and Bar

9800 Queensway Blvd, Myrtle Beach, SC 29572 (843) 497-7400 https://www.kingstonresorts.com/ Laid-back restaurant for burgers & crab cakes, plus seaside vistas, at the Embassy Suites Hotel. .

Hot Stacks Pancake House Myrtle Beach

1501 N Kings Hwy, Myrtle Beach, SC 29577(843) 448-4668https://hotstackscafe.com/Part of a local chain, this diner serves breakfast & lunch classics including specialty pancakes.

Calli Baker's Firehouse & Grill

910 Lake Arrowhead Rd, Myrtle Beach, SC 29572(843) 692-0788https://www.callibakersfirehouse.com/Low-key spot with a patio offering a pub menu with local flair, plus craft beer & unique cocktails.

Margaritas Mexican Restaurant Myrtle Beach

9906 N Kings Hwy, Myrtle Beach, SC 29572 (843) 497-5960 http://www.margaritasmexrestaurant.com/ A lengthy menu of Mexican & Tex-Mex family recipes served in casual, brightly colored quarters.

Miyabi Japanese Restaurant

9732 N Kings Hwy, Myrtle Beach, SC 29572(843) 449-9294Miyabi Japanese Steak & Seafood - Myrtle Beach locationChefs prep & grill orders in lively tableside shows in a traditional Japanese-themed setting.

The Office an Italian Pub

960 Lake Arrowhead Rd #5517, Myrtle Beach, SC 29572 (843) 839-9190 https://www.tripadvisor.ca/Restaurant_Review-g54359-d2407117-Reviews-The_Office_Italian_Pub-Myrtle_Beach_South_Carolina.html Snug neighborhood joint featuring pizzas, pasta dishes & sandwiches, along with a full bar.

Things to do in Myrtle Beach

Broadway at the Beach

1325 Celebrity Cir, Myrtle Beach, SC 29577(843) 444-3200https://www.broadwayatthebeach.com/Broadway at the Beach is a shopping center and entertainment complex located in Myrtle Beach, South Carolina.

SkyWheel Myrtle Beach

1110 N Ocean Blvd, Myrtle Beach, SC 29577
(843) 839-9200
https://skywheelmb.com/
The Myrtle Beach Skywheel is a 187-foot tall observation wheel located in Myrtle Beach, South Carolina, that opened May 20, 2011.

Ripley's Aquarium of Myrtle Beach

1110 Celebrity Cir, Myrtle Beach, SC 29577(843) 916-0888https://www.ripleyaquariums.com/myrtlebeach/Marine life attraction with kid-friendly exhibits & dive tours, plus live shows & a gift shop.

Hollywood Wax Museum

1808 21st Ave N unit a, Myrtle Beach, SC 29577
(843) 444-0091
https://www.hollywoodwaxentertainment.com/myrtle-beach-sc-attractions/
The Hollywood Wax Museum in Myrtle Beach, South Carolina is the fourth wax museum owned and operated by descendants of Spoony Singh.

Pirates Voyage Dinner & Show

8907 N Kings Hwy, Myrtle Beach, SC 29572
(843) 497-9700
https://piratesvoyage.com/
Swashbuckling, Blackbeard-themed pirate performances with stunts, plus a 4-course dinner.

WonderWorks Myrtle Beach

1313 Celebrity Cir, Myrtle Beach, SC 29577
(843) 626-9962
https://www.wonderworksonline.com/myrtle-beach/
Attraction with 100+ hands-on science exhibits plus laser tag, a ropes course & a 6D motion ride.

Brookgreen Gardens

Murrells Inlet, SC 29576 (843) 235-6000 https://www.brookgreen.org/ Brookgreen Gardens is a sculpture garden and wildlife preserve, located just south of Murrells Inlet, in the U.S. state of South Carolina.

The Carolina Opry Theater

8901 N Kings Hwy, Myrtle Beach, SC 29572
(800) 843-6779
https://thecarolinaopry.com/
The Carolina Opry is a musical variety show located in Myrtle Beach, South Carolina.

Notes

Notes



WORLDWIDE LEADER IN MODELING & SIMULATION Serving individuals and organizations in more than 150 countries.

For over 70 years, SCS has set the standard as the first society devoted solely to the advancement of modeling and simulation. Our objective is to promote M&S as a discipline and profession through continuous research and education. We provide M&S professionals with a dynamic community and forum to publish, present, and discuss new results, developments, applications, and lessons learned, enabling the exchange between and mutual support of industry, government, and academia.

SCS serves engineers, scientists, managers, educators, business professionals and students from all around the world.

Opportunities for skill development and advancement include:

