

## 2022 PowerPlantSim

## **Table of Contents**

# January 9-13, 2022 The Bellagio Hotel & Casino Las Vegas, Nevada, USA

General Information	5
Welcome	6
Exhibitors Information	7-11
Nuclear & Fossil Agenda	13-16
Nuclear Training	17
Maps	19-22
Things to do in Las Vegas	23-25
Restaurants in Las Vegas	26-27

## **2022 PowerPlantSim**

#### **PROGRAM**

#### **General Chairs**

Michael Strawser (Nuclear Track) & William Talbot (Fossil Track)

#### **PPS 2022 Registration**

#### **Registration Desk 3**

Sunday, January 9, 2022: 4:00 pm to 6:00 pm Monday-Wednesday, January 10-12, 2022: 7:30 am to 5:00 pm Thursday, January 13, 2020: 8:30 am to 1:30 pm

#### PPS 2022 Exhibit Area

#### Da Vinci 1 & 2

Monday-Tuesday, January 10-11, 2022: 9:00 am to 5:00 pm Wednesday, January 12, 2022: 9:00 am to 12 pm

# **General Information**

#### PPS 2022 L3Harris & SCS Reception

Monday, January 10, 2022
Da Vinci 1 & 2
6:00 pm

#### **PPS 2022 Breakfasts**

Da Vinci 1 & 2

Breakfast: Monday-Tuesday 7:00 am to 8:30 am

#### PPS 2022 Breaks

Da Vinci 1 & 2

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

#### **USUG Information**

Da Vinci 3 & 4

USUG Meeting: Wednesday, January 12, 2022: 3:30 pm to 5:30 pm

#### **Training Information**

Da Vinci 3 & 4

Nuclear Training Day 1: Wednesday, January 12, 2022: 8:30 am to 10:30 am

Nuclear Training Day 2: Thursday, January 13, 2022: 8:00 am to 4:00 pm

## Welcome to PowerPlantSim'22

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 2022 Power Plant Simulation Conference (PowerPlantSim'22). 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'22 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 Fossil and Nuclear energy community.

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

Thank you
William Talbot, Talbot Simulation Associates
and Michael Strawser, Talen Energy

# **Exhibitors**

#### **CORYS Inc.**

CORYS Inc. is headquartered in Jacksonville Florida. The company has been supplying training and engineering simulators for more than 25 years to the Power, Transportation, Oil & Gas and Chemical industries using engineering grade modelling tools, virtual environments and control room replica and/or emulations. CORYS today is a leader of replica dynamic simulators with over 3700 simulators delivered worldwide. CORYS Inc. is by far the leader of the upgrade and maintenance of US nuclear plant full scope simulators in all technical areas: Simulator rehosts with T-REX, I/O upgrades, advanced thermal hydraulic modeling with THOR, severe accident models with MELCOR, flooding models and glass panel solutions. CORYS employs more than 70 highly experienced engineers and scientists.

(Booths 8 & 9)

CONTACT: Jody Ryan

Jody.ryan@corys.com 1351 Tradeport Dr. Jacksonville, FL 32218

www.corys.com



#### **GSE Solutions**

We are visionaries, and the solutions we create now will be at the forefront of the power industry. GSE Solutions leverages five decades of proven industry experience to provide unique and essential engineering and workforce solutions, services and products focused on performance optimization, regulatory compliance, simulation, training, and staffing for customers worldwide. As one of the largest independent companies serving the clean energy sector of nuclear power and adjacent industries, our solutions support the future of clean energy production and overall decarbonization initiatives of the power industry.

(Booth 2)

**CONTACT**: Gill Grady

gill.grady@gses.com

6940 Columbus Gateway Dr.

Columbia, MD 21046

www.gses.com



#### **L3Harris**

For more than 45 years, L3Harris (L3 MAPPS Inc.) has worked with leading utilities, plant designers and research organizations to create superior training simulator and engineering-assist simulators and has established itself as the world's pre-eminent manufacturer of power plant simulators for PHWR, PWR, BWR and gas-cooled reactors. L3Harris has vast experience in supporting New Build projects with its simulation solutions—resulting in significant error reduction in the plant designs.

L3Harris recently introduced disruptive display technology–Orchid® IX-bringing 3D visualizations of high-value nuclear assets to life – without head-mounted gear! Orchid® IX is also used for real-time monitoring, in which the user(s) can feel fully immersed in the remotely monitored area.

L3Harris' Power Systems and Simulation business got its start in the early 1970s developing its first full scope operator training simulator for Pickering A (PHWR). Today, L3Harris supplies simulation products and services to leading utilities worldwide for PHWRs, LWRs and GCRs.

(Booths 4 & 5)

**CONTACT:** Isabelle Derry

Isabelle.Derry@L3Harris.com 8565 Côte-de-Liesse Montréal, Québec

Canada H4T 1G5

L3Harris.com/MAPPS Tel: 1-514-787-5033



#### **SimGenics Simulation Systems**

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.

#### **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 Simulation Systems (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 is assistance is required during test situations.
- Instructorless 24/7 training is possible using VI's powerful scenario/procedure builder.

#### Office Locations:

United States (Home Office – Principal place of business): 744 Horizon Court
Suite 100
Grand Junction, CO 81506

South Africa Techno Link, Block I, 63 Regency Drive, Route 21 Corporate Park, Pretoria

Australia 16 McDougall Street Level 1 Milton, QLD, 4064

(Booth 1)

CONTACT: Francois Laubscher flaubscher@simgenics.com 405 Crystal Glen Drive Keller, TX 76248 www.simgenics.com



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# Agendas

#### Monday, 10 January 2022

Welcome and Introductions by Joe Yarbrough (Monticello)

8:30am - 8:45am

Da Vinci 3 & 4

**Automated Testing and Tools** 

8:45am - 10:00am

Da Vinci 3 & 4

Chair: Jim Florence (Cooper)

- Empowering Simulator Instructors with Next-Gen Tech by Bernard Gagnon (L3Harris)
- There's More in Store for THOR by Dave O'Farrell and Barney Panfil (CORYs)

#### 10:00 am—10:30 am COFFEE BREAK

**Simulator Upgrades** 

10:30am - 12:00pm

Da Vinci 3 & 4

Chair: Steve Jones (Ameren Missouri)

- *GSE Company and Simulator Project Update* by Gill Grady (GSE)
- Expansion in the Studsvik Software System and Real-Time Applications by Jeff Borkowski (Studsvik)
- *Major Modernization of Legacy Nuclear Plant Simulator* by Gregory Zakaib (L3Harris)

#### 12:00 pm—1:30 pm LUNCH

**Non-Operations Training Simulator Uses** 

1:30pm - 3:30pm

Da Vinci 3 & 4

Chair: Jeremy Jackson (Xcel Energy)

- Simulator Use in Steam Extraction Studies by Gill Grady (GSE)
- *Metroscope Digital Twins for Power Plant Diagnostics* by Eric Helm (Metroscope)
- Implementation of NRC Approved OLM Technology to Extend Calibration Intervals of Nuclear Plant Pressure Transmitters by Hash Hashemian (AMS Corp)
- Doing More with Simulators by Gill Grady (GSE)

#### 3:30 pm—4:00 pm COFFEE BREAK

**Knowledge Retention/Succession Planning** 

3:30pm - 5:00pm

Da Vinci 3 & 4

Chair: Mike Hill (Braidwood)

- *Three Nerd Monte (Find the Knowledge)* by Justin Hasner (Prairie Island)
- Braidwood Software Engineer/Analyst Turnover by Mike Hill (Braidwood)
- Palo Verde Knowledge Transfer by Shawn Seegmiller (Palo Verde)

#### Tuesday, 11 January 2022

#### **Tips and Tricks**

8:30am – 10:00am Da Vinci 3 & 4 Chair: Joe Yarbrough (Monticello)

- *Automated Recorder Clearing* by Joe Poisson (Palisades)
- Application of Ideas from Benchmarking by Joe Yarbrough (Monticello)
- *Palo Verde Innovations* by Shawn Seegmiller (Palo Verde)

#### 10:00 am—10:30 am COFFEE BREAK

#### **Simulator Modifications**

10:30am – 12:00pm Da Vinci 3 & 4 Chair: Travis Ouret (St. Lucie)

- *Surry Multi-phase Digital Modernization Project* by Jody Ryan and Chris Huth (CORYs)
- *Simulating a Small Modular Salt Reactor* by Michael Chatlani (L3Harris)
- *St. Lucie Upgrade Project* by Travis Ouret (St. Lucie)

#### 12:00 pm—1:30 pm LUNCH ON YOUR OWN

#### Simulator Oversight and Outage Management

1:30pm-3:00pm Da Vinci 3 & 4 Chair: Denver Walker (Entergy)

- Simulator Impacts Associated with a Plant Shutdown by Joe Poisson (Palisades)
- Simulator Oversite @ Xcel Energy by Joe Yarbrough (Monticello) and Justin Hasner (Prairie Island)
- Developing an Entergy Simulator Training Academy by Dave Williams (Entergy)

#### 3:00 pm—3:30 pm COFFEE BREAK

#### Regulations

3:30pm-5:00pm Da Vinci 3 & 4 Chair: Joe Yarbrough (Monticello)

- *ANSI-3.5.1 Update* by Joe Yarbrough (Monticello)
- *ANS-3.5-2018 Standard Update* by Jim Florence (Cooper)

#### Wednesday, 12 January 2022

**Nuclear Training—Re-Baselining Transient Benchmark** 

08:30am – 10:30am Da Vinci 3 & 4 Chair: Mike Hill (Braidwood)

10:30 am—11:00 am COFFEE BREAK

**Hardware Upgrades** 

11:00am – 12:00pm Da Vinci 3 & 4 Chair: Ken Just (Duke Energy)

• *Simulator Hardware Support Solutions* by George McCullough (EXITECH)

• Simulator Exam Security Door System by Larry Hawkins (Oconee)

12:00 pm—1:30 pm LUNCH ON YOUR OWN

Regulations

1:30pm – 3:00pm Da Vinci 3 & 4 Chair: Michael Strawser (Talen Energy)

• *NRC Regulatory Perspective* by Jesse Seymour (NRC)

3:00 pm—3:30 pm COFFEE BREAK

**USUG Meeting** 

3:30pm – 5:30pm Da Vinci 3 & 4 Chair: Michael Strawser (Talen Energy)

#### Thursday, 13 January 2022

**Nuclear Training - Simulator Testing** 

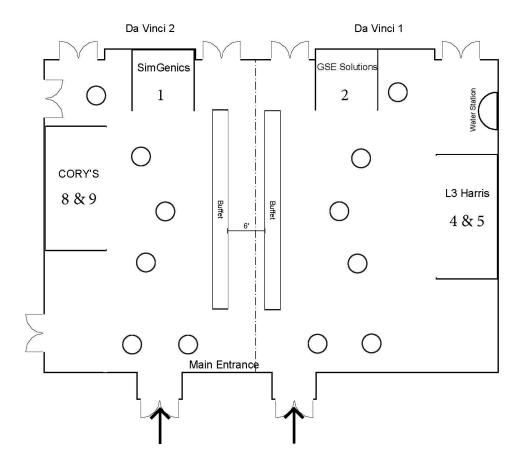
8:00am – 4:00pm Da Vinci 3 & 4 Chair: Jim Florence (Cooper)

• Training - Simulator Testing

# **Notes**

# **Maps**

# **Exhibitors Floor Plan**



Booth 1: SimGenics

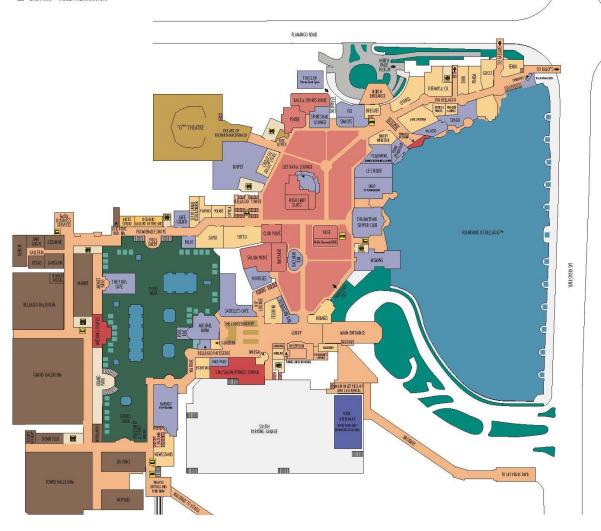
Booth 2: GSE Solutions

Booths 4 & 5: L3 Harris

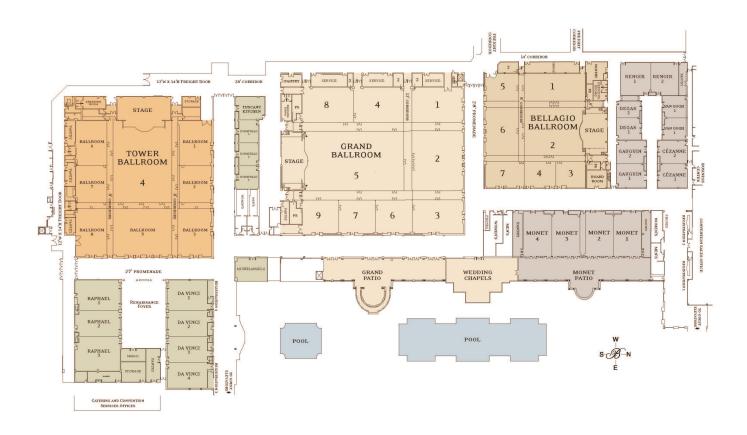
Booths 8 & 9: CORY's

# **Hotel Floor Plan**

- BALLROOMS AND CONVENTION AREA
- BELLAGIO GALLERY OF FINE ART
- CASINO AND SPORTS BOOK Must be 21 years of age to enter these areas.
- DINING, BARS AND LOUNGES
- **PUBLIC THOROUGHFARE**
- POOLS AND FOUNTAINS
- SHOPS AND BOUTIQUES
- SPA, SALON, FITNESS CENTER,
   WEDDING CHAPELS AND TERRAZZA DI SOGNO
- CONSERVATORY, "O"" THEATRE AND TICKET SALES
- **UBER RIDESHARE**



# **Hotel Floor Plan**



# The City of Las Vegas

#### Things to do in Las Vegas

#### **High Roller**

3545 Las Vegas Blvd South The Linq Promenade, Las Vegas, NV 89109-8978 +1 702-322-0593

https://www.caesars.com/ling/things-to-do/attractions/high-roller

Measuring 520 feet in diameter, the High Roller eclipses both the London Eye and Singapore Flyer. Facing north and south parallel to Las Vegas Boulevard, the wheel takes 30 minutes to complete one full revolution and features 28 glass-enclosed cabins with broad views of Las Vegas and the Strip. Each spherical cabin can hold up to 40 people, with benches on either side of the cabin and plenty of floor space in between-but we imagine you'll want to stand and admire the view. Sight-seeing isn't all that the High Roller has to offer. Take in the best views of Las Vegas from inside a High Roller Happy Half Hour cabin. Your ticket includes one 30-minute ride and an open bar inside the cabin! Allow your body and mind to soar 550 feet in the sky above the Las Vegas Strip in a unique and personalized yoga session with a professional instructor. Or experience a one-of-a-kind sky high chocolate tasting experience paired with your choice of wine!

#### The Strip

S Las Vegas Blvd, Las Vegas, NV 89109

The Las Vegas Strip is a stretch of Las Vegas Boulevard South in Clark County, Nevada, that is known for its concentration of resort hotels and casinos. The Strip, as it is known, is about 4.2 mi (6.8 km) long,[1] and is immediately south of the Las Vegas city limits in the unincorporated towns of Paradise and Winchester, but is often referred to simply as "Las Vegas".

#### **Fountains of Bellagio**

3600 Las Vegas Blvd S Bellagio Hotel & Casino, Las Vegas, NV 89109-4303 +1 866-259-111

https://bellagio.mgmresorts.com/en/entertainment/fountains-of-bellagio.html

There is nothing like seeing them in person. The Fountains of Bellagio were destined to romance your senses. It is the most ambitious, complex water feature ever conceived and it's absolutely free for any visitor to enjoy. Step back, or find a comfortable perch to sit, and watch against the backdrop of the Las Vegas lavender sky. Each performance is unique in expression and interpretation so no matter how many times you have seen the Fountains, they always have more in store to wow you with. Fall in love with this unprecedented aquatic accomplishment.

#### The Mob Museum

300 Stewart Avenue, Las Vegas, NV 89101-2956 +1 702-229-2734 https://themobmuseum.org/

The Mob Museum is a 501(c)3 nonprofit organization with a mission to advance the public understanding of organized crime's history and impact on American society. The Mob Museum offers a bold and authentic view of organized crime from vintage Las Vegas to the back alleys of American cities and—increasingly—across the borders and networks of the entire world. Explore the real stories and actual events of Mob history through interactive exhibits and one-of-a-kind Mob and law enforcement artifacts found inside our restored 1933 former courthouse and post office building located just minutes from Fremont Street.

#### Things to do in Las Vegas

#### **Eiffel Tower Viewing Deck**

3655 Las Vegas Blvd. South Paris Las Vegas, Las Vegas, NV 89109-4345

+1 702-946-7000

https://www.caesars.com/paris-las-vegas/things-to-do/eiffel-tower#.WL1jstIzVzM

An icon of the city skyline, this high-altitude attraction is located 46 stories up and is a half scale replica of the world-famous Paris, France landmark. Rise above the frenzy of the Strip at one of Las Vegas' premier attractions with amazing views.

#### Bellagio Conservatory & Botanical Garden

3600 Las Vegas Blvd. S Bellagio, Las Vegas, NV 89109

+1888-987-6667

https://bellagio.mgmresorts.com/en/entertainment/conservatory-botanical-garden.html?

icid=GMB\_Entertainment\_Conservatory

Brilliance abounds inside our breathtaking Conservatory & Botanical Gardens. The attention to detail is astounding. The passionate display of nature in all its awe-evoking glory - quite simply, sensational! Let your imagination wander as you assume a leisurely stroll amongst rare natural finds selected distinctively for Bellagio from all over the world. Admire the essence of every season recreated with exceptionally gorgeous plants, flowers and trees thoughtfully arranged to inspire full splendor.

#### **Hoover Dam Bypass**

Hoover Dam, Boulder City, NV 89005

+1702-494-2517

https://www.usbr.gov/lc/hooverdam/

Established in 1902, the Bureau of Reclamation is best known for the dams, powerplants, and canals it constructed in the 17 Western states throughout the 20th Century. These water projects led to homesteading and promoted the economic development of the West. Reclamation has constructed more than 600 dams and reservoirs, including Hoover Dam on the Colorado River and Grand Coulee on the Columbia River. The bureau is organized into six regions: Columbia-Pacific Northwest, California-Great Basin, Upper Colorado Basin, Lower Colorado Basin, Missouri Basin, and Arkansas-Rio Grande-Texas Gulf. Administratively, Hoover Dam is a part of the Lower Colorado Dams Office (LCDO) of the Lower Colorado Basin Region.

#### **Stratosphere Tower**

2000 Las Vegas Blvd S Stratosphere Casino Hotel & Tower, Las Vegas, NV 89104-2507

+1 702-380-7777

https://thestrat.com/

The Tower is a unique, iconic fixture in the Vegas skyline with a magnificent 360 degree view of the shimmering Las Vegas Strip and Valley.

#### Restaurants in Las Vegas

#### **Lobster ME**

3663 Las Vegas Blvd S Suite 435, Las Vegas, NV 89109-1920 +1 702-562-7837

https://www.lobsterme.com/welcome-to-lobster-me/

Located at the Planet Hollywood and at the Venetian Hotels, Lobster ME offers Cuisines of American, Seafood, Fast Food, Bar, and Pub food. Features include takeout, seating, wheelchair accessible, serves alcohol, free off-street parking, wine and beer, digital payments, family style, and non-smoking restaurants.

#### **Petrossian Bar**

3600 Las Vegas Blvd S, Las Vegas, NV 89109-4303 +1 702-693-7111

https://bellagio.mgmresorts.com/en/nightlife/petrossian-bar.html?icid=GMB\_Clubs\_PetrossianBar

Caviar Tacos and captivating cocktail pairings take center stage at Petrossian Bar's new epicurean experience at Bellagio Resort & Casino. Along with live piano sounds and views of Dale Chihuly's "Fiori di Como" over the resort's bustling lobby, the legendary bar's evolved menu blends signature components of Las Vegas' culinary scene with extravagant ingredients to create an approachable way to indulge in the world's finest spirits and caviar. Indulge in an elevated Afternoon Tea experience at Petrossian Bar. Enjoy savory tea accompaniments including freshly baked scones, decadent desserts and choice of tea.

#### Le Cirque

3600 Las Vegas Blvd S, Las Vegas, NV 89109-4303 +1 702-693-8100

http://www.bellagio.com/en/restaurants/le-cirque.html

The name is legendary. The experience unforgettable. Immerse yourself in the brilliant colors of this lakeside destination and prepare for a meal as bold and transcendent as your surroundings. Le Cirque's opulent dining room, designed by Adam D. Tihany, exudes celebration, setting the stage for an inimitable French menu that has drawn raves and accolades—including a perennial AAA Five Diamond Award rating and Forbes Travel Guide 5 Star Rating—since the restaurant's creation by Sirio Maccioni . A coveted wine list and attentive service complete an evening at Le Cirque—one that will remain in your memory for years to come. For ladies, the attire is elegant & dressy. For gentlemen, the attire is collared shirts or polos. Shorts, sports apparel, tank tops and open-toe shoes are not permitted.

#### Palio

3600 Las Vegas Blvd S Bellagio Hotel, Las Vegas, NV 89109-4303 +1 702-693-8160

https://bellagio.mgmresorts.com/en/restaurants/quick-eats.html?icid=GMB\_Restaurants\_Palio#/Palio

Need a quick bite? Palio, . In addition, Bellagio is pleased to offer Palio, and Snacks which is made without heat for maximum nutrition, taste and freshness. Start your day right or take a break for an espresso, pastry or a more substantial snack in this delightful café.

#### Restaurants in Las Vegas

#### Michael Mina

 $3600\ Las\ Vegas\ Blvd\ S\ Bellagio\ Hotel\ \&\ Casino,\ Las\ Vegas,\ NV\ 89109-4303+1\ 702-693-8865$ 

https://bellagio.mgmresorts.com/en/restaurants/michael-mina.html

Internationally acclaimed Chef Michael Mina invites you to experience the artistry of the seven seas at his award-winning eponymous restaurant. For those obsessed with flavor, freshness and precision, MICHAEL MINA Bellagio offers an unsurpassed variety of the finest seafood selections – expertly curated – and flown in by private plane daily. The chef-driven menu features innovative seafood preparation along with a range of fresh raw bar shellfish. Guests will be treated to five-star service, genuine hospitality, bold, and craveable cuisine that makes for an unforgettable and authentic experience. Enjoy unparalleled tableside preparation and engaging service every step of the way, along with expert wine pairings and craft cocktails that create a stunning culinary journey. Creatively prepared seafood. Globally inspired ingredients. Experience the extraordinary at MICHAEL MINA Bellagio. For ladies, the attire is elegant & dressy. For gentlemen, the attire is collared shirts or polos. Shorts, sports apparel, tank tops and open-toe shoes are not permitted.

#### Jasmine

Bellagio Hotel, Las Vegas, NV 89109-4303 +1 702-693-8166 https://bellagio.mgmresorts.com/en/restaurants/jasmine.html

Enter this exquisite garden and lake-view destination and breathe in the exotic aroma of Cantonese, Szechwan and Hunan cuisine. Welcome to a Chinese restaurant that exceeds all expectations. At Jasmine, Nouvelle Hong Kong cuisine is accompanied by authentic and replicated Chinese art to create a transcendent dining experience that will arouse all senses. For ladies, the attire is elegant & dressy. For gentlemen, the attire is collared shirts or polos. Shorts, sports apparel, tank tops and open-toe shoes are not permitted.

#### Prime Steakhouse

3600 Las Vegas Blvd S Bellagio Hotel and Casino, Las Vegas, NV 89109-4303 +1 702-693-8484

https://bellagio.mgmresorts.com/en/restaurants/prime-steakhouse.html

Award-winning, four-star celebrity chef and restaurateur Jean-Georges Vongerichten invites you to experience steakhouse dining at its finest. Savor prime steak, seafood and lamb accompanied by fabulous sauces, sides and meticulously selected wines. The setting for this most memorable culinary experience is a handsomely designed dining room by Michael DeSantis, dressed in deep chocolate brown and delicate Tiffany blue. Commissioned artwork by Carlo Maria Mariani, George Deem and Michael Gregory, as well as a water-themed canvas screen created by Joseph Raffael, adorn the walls and a garden patio provides the perfect outdoor setting for a serene dining experience.

#### **Bellagio Patisserie**

3600 Las Vegas Blvd S, Las Vegas, NV 89109-4303 +1 702-693-8865

https://bellagio.mgmresorts.com/en/restaurants/bellagio-patisserie.html

There's always time for tasty treats at Bellagio Patisserie. Rise and shine with breakfast pastries, omelets and freshly brewed coffee. Enjoy a refreshing midday sandwich paired with crepes for dessert. Give in to your late-night cravings with a rich and creamy gelato. Or sweeten your journey home with a box of macarons, chocolates and other savory souvenirs to go. Our pastry chefs are always crafting something wonderful.



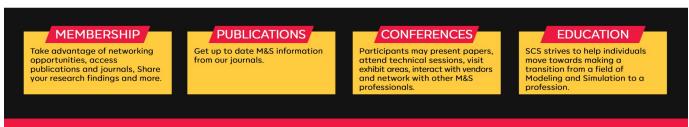
# WORLDWIDE LEADER IN MODELING & SIMULATION

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:



\*SCS is a 501(c)3 non-profit organization with four primary business areas: membership, publications, conferences and education.

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