



THE SOCIETY FOR
MODELING & SIMULATION
INTERNATIONAL

POWERPLANTSIM

Simulation Conference 2018

JANUARY 14-17, 2018

JW Marriott Houston Downtown, Houston, Texas



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

2018 PowerPlantSim

PROGRAM BOOK

January 14-17, 2018
Houston, Texas, USA

Sponsored by SCS

General Chairs

Joe Yarbrough (Nuclear Track)
&
William Talbot (Fossil Track)

General Information

PPS 2018 Registration

(Picasso Prefunction)

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 2018 L3 MAPPS & SCS Reception:

Sunday, January 14, 2018

(Flying Saucer Draught Emporium)

6:00 pm

PPS 2018 Exhibit Area:

(Picasso III and Picasso Prefunction)

Monday and Tuesday: 8:00 am to 5:00 pm

Wednesday: 8:30 am to 10:00 am

PPS 2018 Breakfasts & Breaks

Breakfast: Mon-Wed 8:00 am to 8:30 am (Monet)

AM Coffee Break: Mon-Thurs 10:00 am to 10:30 am (Picasso III & Picasso Prefunction)

PM Coffee Break: Mon-Thurs 3:00 pm to 3:30 pm (Picasso III & Picasso Prefunction)

USUG Information:

USUG Executive Session: Sunday, 5:00 pm to 6:00 pm (Room: Carter)

Annual Business Meeting USUG (members only): Thursday, 8:30 am to 10:00 am
(Room: Picasso I & II)

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

L3 MAPPS Information:

L3 MAPPS Owners Circle™ Conference - Day 1: Thursday (Room: Van Gogh)

L3 MAPPS Owners Circle™ Conference - Day 2: Friday (Room: Van Gogh)

*Please note the L3 events are to be attended by invitation only

Welcome to PowerPlantSim'18

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 2018 Power Plant Simulation Conference (PowerPlantSim'18). All attendees are welcome to attend all of the sessions and activities unless otherwise noted in the agenda.

PowerPlantSim'18 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 is held at the JW Marriott Houston Downtown Hotel in Houston, Texas.

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 Joe Yarbrough, Xcel Energy

Exhibitors

Exhibitors Information

CORYS Inc.

CORYS Inc. is the US subsidiary of CORYS, a French simulation company owned by AREVA NP (50%), EDF (25%) and IFP Training (25%). CORYS Inc. is headquartered in Jacksonville with offices in Houston and Eatontown. 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 full scope simulators in all technical areas: I/O upgrades, advanced thermal hydraulic modeling with THOR, severe accident with MELCOR or flooding models and glass panel solutions. CORYS has more than 70 engineers and scientists in the U.S.

(Booths 103 & 105)

CONTACT: Brittany Kasprak
Brittany.Kasprak@corys.com
1351 Tradeport Dr.
Jacksonville, FL 32218
www.corys.com

GSE Systems, Inc.

GSE Systems, Inc. (GSE) is a world leader in real-time simulation software, systems and services for the nuclear and fossil power generation industries. We also offer fully customizable training services and programs including fundamentals, plant systems, simulator scenario development, and "trainer training". With 40 years of experience and more than 1,100 simulation and training installations in 50 countries, GSE is well positioned as a global provider to serve the individual needs of each client in today's increasingly competitive business environment.

(Booth 109)

CONTACT: Deanne Bellin
deanne.bellin@gses.com
1332 Londontown Blvd.
Sykesville, MD 21784
www.gses.com

L3 MAPPS

When you are looking for increased reliability in your power plant's performance, you can count on L3 MAPPS simulation experience to get you there. Our dedication to true-to-life power plant simulators ensures that your personnel have the knowledge required to safely and efficiently operate your power plant.

Providing more than just training devices, our simulator solutions powered by L3 MAPPS unparalleled Orchid® suite of simulation products will elevate your engineering team to new heights in addressing plant design issues, procedural deficiencies and reliability improvements.

Exhibitors Information

L3 MAPPS (Continued)

L3 MAPPS simulators provide superior real-world power plant training. L3 MAPPS offers a variety of products and services, including full scope simulators, classroom simulators, engineering simulators, simulator retrofits and upgrades, severe accident simulation, Learning Simulators, Learning Modules and System Knowledge Modules. We provide design to completion turnkey systems, specific components, and simulator design tools as required by the customer. With a worldwide presence, a solid leadership position and the ability to provide any level of customer support through our Owners Circle™ program, L3 MAPPS ensures the success of your simulator projects. Our simulators offer the highest quality in simulation fidelity and training to provide trainees and instructors with user-friendly tools for learning, controlling and exploring complex power plant systems.

Visit us at PowerPlantSim 2018 to learn more.

(Booth 100)

CONTACT: Isabelle Derry
Isabelle.Derry@L3T.com
8565 Côte-de-Liesse
Montréal, Québec
Canada H4T 1G5
www.L-3com.com/MAPPS
LinkedIn: L3 MAPPS
Tel: 1-514-787-4999

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. Their solutions leverage existing software assets and greatly increase the return on investment for those assets. By incorporating the latest simulation and media software technologies, their 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 they offer include Full Scope Training Simulators, Reduced-Scope Training Simulators, Unit Process Simulators, 3D Pact, Off-the-Shelf Simulators, and Virtual Instructor. Office locations include the United States, South Africa, and Australia.

(Booth 106)

CONTACT: Francois Laubscher
flaubscher@simgenics.com
529 25 1/2 Road, Suite B210
Grand Junction, CO 81505
www.simgenics.com

Exhibitors Information

Simtronics Corporation-Systran

Simtronics Corporation provides Operator Training Simulators (OTS) for the Process Industries and the Educational Institutions that train Operators and Technicians. Training Simulators provide a realistic environment for operators, engineers, technicians, and students to practice real-life scenarios including start-ups, shutdowns, troubleshooting, and emergency response. This year, they will be accompanied by the organization Systran.

(Booth 102)

CONTACT: Thomas Judge
tjudge@simtronics.com
P.O. Box 38
Little Silver, NJ 07739
www.simtronics.com

Technical Laboratory Systems, Inc.

Tech-Labs.pro is a branch of Technical Laboratory Systems, Inc. that is dedicated to working with industries to support the innovation and training requirements. Tech-Labs is one of North America's leading suppliers of additive manufacturing systems and 3D scanners as well as industrial training in advanced manufacturing, industrial maintenance, mechatronics, and welding.

CONTACT: Lisa Saliba
l.saliba@tech-labs.com
P.O. Box 218609
Houston, TX 77218
www.tech-labs.com

Exhibitors Information

Tecnatom S.A.

Within the Digital Operation and Asset Management Division, the Simulation and Monitoring Area develops integrated and innovated solutions contributing to the excellent operation of the facilities.

(Booth 107)

CONTACT: Paula Mateos
pmateos@t-sertec.es
Avda. Montes de Oca, 1
Madrid, Spain 28703
www.tecnatom.es

Tobii Pro

We provide world-leading eye tracking solutions to academic institutions and commercial companies that want to better understand human behavior. Our solutions consist of hardware, software, training, and support. For the vast majority of physical movement tasks, visual behavior and human performance are closely linked. In the study of biomechanics, eye tracking is a valuable tool to gain insight into how different individuals gather cognitive information and perform tasks. Our eye tracking tools and services can help manufacturing and supply chain professionals in a variety of areas.

New to eye tracking? Tobii Pro Insight Research Services offers comprehensive eye tracking studies to help you understand your processes in a more efficient way. Our team of global researchers possesses the necessary eye tracking tools and expertise to bring you cutting-edge implicit visual behavior analysis without the time, knowledge, and resource commitments of developing in-house capabilities. Basically, Pro Insight is YOUR expert research team.

(Booth 108)

CONTACT: Toby Younis
toby.younis@tobii.com
510 N. Washington Street, Suite 200
Falls Church, VA 22046
www.tobiipro.com

Exhibitors Information

WSC, Inc.

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.

(Booths 110 & 111)

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

Agendas

Fossil Agenda

Monday, 15 January 2018

Welcome and Introductions by William Talbot (Talbot Simulation Associates)
8:30am – 8:45am **Picasso I & II**

Welcome and Introductions by William Talbot (Talbot Simulation Associates)
8:45am – 10:00am **Picasso I & II**

- *Joint Session with Nuclear Group*

10:00am—10:30am COFFEE BREAK

10:30am – 12:00pm **Picasso I & II**

- *Joint Session with Nuclear Group*

12:00pm—1:30pm LUNCH

Session 3
1:30pm – 3:00pm **Van Gogh**

- *ISA 77.20 Working Group, Reaffirmation Meeting* Bill Talbot & Alex Lekich, Co-Chairs

3:00pm—3:30pm COFFEE BREAK

Session 4
3:30pm – 5:00pm **Van Gogh**

- *ISA 77.20 Working Group* Bill Talbot & Alex Lekich, Co-Chairs
- *NRG Petra Nova Success Story* Ganesh Venkataramanan (Schneider Electric)
- *Plant Watson Units 4 & 5 Simulators—A Double Benefit* Nathaniel Wright (WSC Inc.)

Fossil Agenda

Tuesday, 16 January 2018

Session 5

8:30am – 10:00am

Van Gogh

- *Reload, Retune & Retest* Alex Lekich (GSE Systems)
- *Edwardsport IGCC Simulator—A Miracle in 15 months* Nathaniel Wright (WSC Inc.)

10:00am—10:30am COFFEE BREAK

Session 6

10:30am – 12:00pm

Van Gogh

- *Simulator Upgrades with Nuclear* William Talbot (Talbot Simulation)
- *ANO2 Services Water Upgrade and Mutual Exclusion* Denver Walker (ANO)
- *Containment Upgrades with MAAP* Mike Battaglia (GSE Systems)
- *Hope Creek Variable Frequency Drive Simulation* John Stone (Corys Inc.)

12:00pm—1:30pm LUNCH ON YOUR OWN

Session 7

1:30pm – 3:00pm

Van Gogh

- Utility only session

3:00pm—3:30pm COFFEE BREAK

Session 8

3:30pm – 5:00pm

Van Gogh

- *Wrap up– What about next year*

Nuclear Agenda

Monday, 15 January 2018

Welcome and Introductions by Chair Joe Yarbrough (Xcel Energy)
8:30am – 8:45am Picasso I & II

Session 1: Simulator Management

8:45:00am – 10:00am

Picasso I & II

Chair: Joe Yarbrough (Xcel Energy)

- *NPP Simulator Upgrades—"Phased" versus "Full" Approach* by Oussama Ashy and Mladen Udbinac (WSC, Inc.)
- *Simulator Oversight and Lessons Learned* by Gerald Wyatt (Columbia)

10:00am—10:30am COFFEE BREAK

Session 2: Non-Training Simulator Uses (Part I)

10:30am – 12:00pm

Picasso I & II

Chair: Kashmir Singh (EDF)

- *Using a Commissioning Simulator to Secure Plant Schedule* by Patrice Roth (Corys, Inc.)
- *Plant Modification Validation using the Plant-Referenced Simulator* by Jim Florence (Cooper)
- *Non-Traditional Simulator Use* by Scott Zepplin (GSE Systems)

12:00pm—1:30pm LUNCH

Session 3: Hardware Upgrades

1:30pm – 3:00pm

Picasso I & II

Chair: Ken Just (Oconee)

- *Plant Process Computer Virtualization* by Ken Just (Oconee)
- *RM-32A Upgrade* by Harry Young (Electronic Visions, Inc.)
- *Getting Another 20 Years from your Simulator Hardware* by Bernard Gagnon and Tung Nguyen (L3 MAPPS)

3:00pm—3:30pm COFFEE BREAK

Session 4: Simulator Modeling

3:30pm – 5:00pm

Picasso I & II

Chair: Rick Baker (Exelon)

- *Maintenance and Updating of the Simulator Core* by Jeff Borkowski (Studsvik)
- *Autoswitch: Smooth Transition from Standard Simulated Plant Operation to Severe Accident Conditions* by Vincent Gagnon and Yin Choy Lim (L3 MAPPS)
- *Challenges of Modeling the Fukushima Event on a Full Scope Simulator* by Robert Sanders (Corys, Inc.)

Nuclear Agenda

Tuesday, 16 January 2018

Session 5: Simulator Modifications

8:30am– 10:00am

Picasso I & II

Chair: Abdul Kadir (Diablo Canyon)

- *Education on Nuclear Fundamentals with iPWR Basic Principle Simulator* by Elena Gil (Tecnatom)
- *Replacing the St. Lucie Simulator Reactor Core and NSSS Models* by Vincent Gagnon and Benoit Guimont-Montpetit (L3 MAPPS)
- *Using RELAP5-HD for TH Modeling* by Scott Zeplin (GSE Systems)

10:00–10:30 COFFEE BREAK

Session 6: Simulator Upgrades

10:30am– 12:00pm

Picasso I & II

Chair: William Talbot (Talbot Simulation)

- *ANO2 Service Water Upgrade and Mutual Exclusion* by Denver Walker (ANO)
- *Containment Upgrades with MAAP* by Mike Battaglia (GSE Systems)
- *Hope Creek Variable Frequency Drive Simulation* by John Stone (Corys, Inc.)

12:00pm–1:30pm LUNCH ON YOUR OWN

Session 7: Tips, Tricks, and Lessons Learned

1:30pm– 3:00pm

Picasso I & II

Chair: Mike Petersen (Xcel Energy)

- *Excellence, DNP, and the Corporate View* by Gregg Ludlam (Exelon)
- *Instrument Obsolescence. Simple Solutions for Big Problems* by Elena Gil (Tecnatom)
- *Tips and Tricks* by Mike Petersen (Xcel Energy)

3:00pm–3:30pm COFFEE BREAK

Session 8: Simulator Life Cycle Management

3:30pm– 5:00pm

Picasso I & II

Chair: Aline Griffin (Grand Gulf)

- *Modernizing the Instructor Station for 2018 and Beyond* by Vincent and Bernard Gagnon (L3 MAPPS)
- *Wolf Creek Fire Panel* by Mark Terry and Lance Forrest (WSC, Inc.)
- *BOP Model Upgrade (Final Phase of 5 Year Rebuild)* by Tom Luniewski (Diablo Canyon)

Nuclear Agenda

Wednesday, 17 January 2018

Session 9: Non-Training Simulator Uses (Part II)

8:30am – 10:00am

Picasso I & II

Chair: Kashmir Singh (EDF)

- *Applications & Benefits of Engineering Simulators* by Michael Chatlani and Vincent Gagnon (L3 MAPPS)
- *Control System Validation using the Plant Reference Simulator* by Tim Vriezema (DC Cook)
- *Simulation Benefits Beyond Training: Engineering Activities Support* by Pablo Rey (Tecnatom)

10:00am–10:30am COFFEE BREAK

Session 10: New Simulators

10:30am – 12:00pm

Picasso I & II

Chair: Dan Tiberio (Beaver Valley)

- *New Tritium Removal Facility (TRF) Simulator* by Richard Ireland (OPG)
- *Southern Company Full Scope Simulator Build Update* by Mike Galle (Southern Company)

12:00pm–1:30pm LUNCH ON YOUR OWN

Session 11: Regulations

1:30pm – 3:00pm

Picasso I & II

Chair: Joe Yarbrough (Excel Energy)

- *NRC Regulatory Perspective/New Reactors Update* by Theresa Buchanan and Jim Kellum (NRC)
- *ANS-3.5 Standard Update* by Jim Florence (Cooper)

3:00pm–3:30pm COFFEE BREAK

Session 12: New (And Experienced) Personnel Panel

3:30pm – 5:00pm

Picasso I & II

Chair: Candice Clemmons (Farley)

- *Panel to Hiring Managers or New Sim Personnel to Discuss Hiring, Transition, Learning, etc.* by Scott Cupp (ANO), Joe Allison (Palo Verde), Michael Strawser (Oyster Creek), Dan Tiberio (Beaver Valley)

Nuclear Agenda

Thursday, 18 January 2018

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

8:30am – 10:00am

Picasso I & II

Chair: Joe Yarbrough (Xcel Energy)

Come with 2 minute synopsis of years events (OE, INPO, NRC, etc.)

10:00am—10:30am COFFEE BREAK

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

10:30am – 12:00pm

Picasso I & II

Chair: Joe Yarbrough (Xcel Energy)

12:00pm—1:30pm LUNCH

Session 15: Regional Workshops

1:30am – 3:00pm

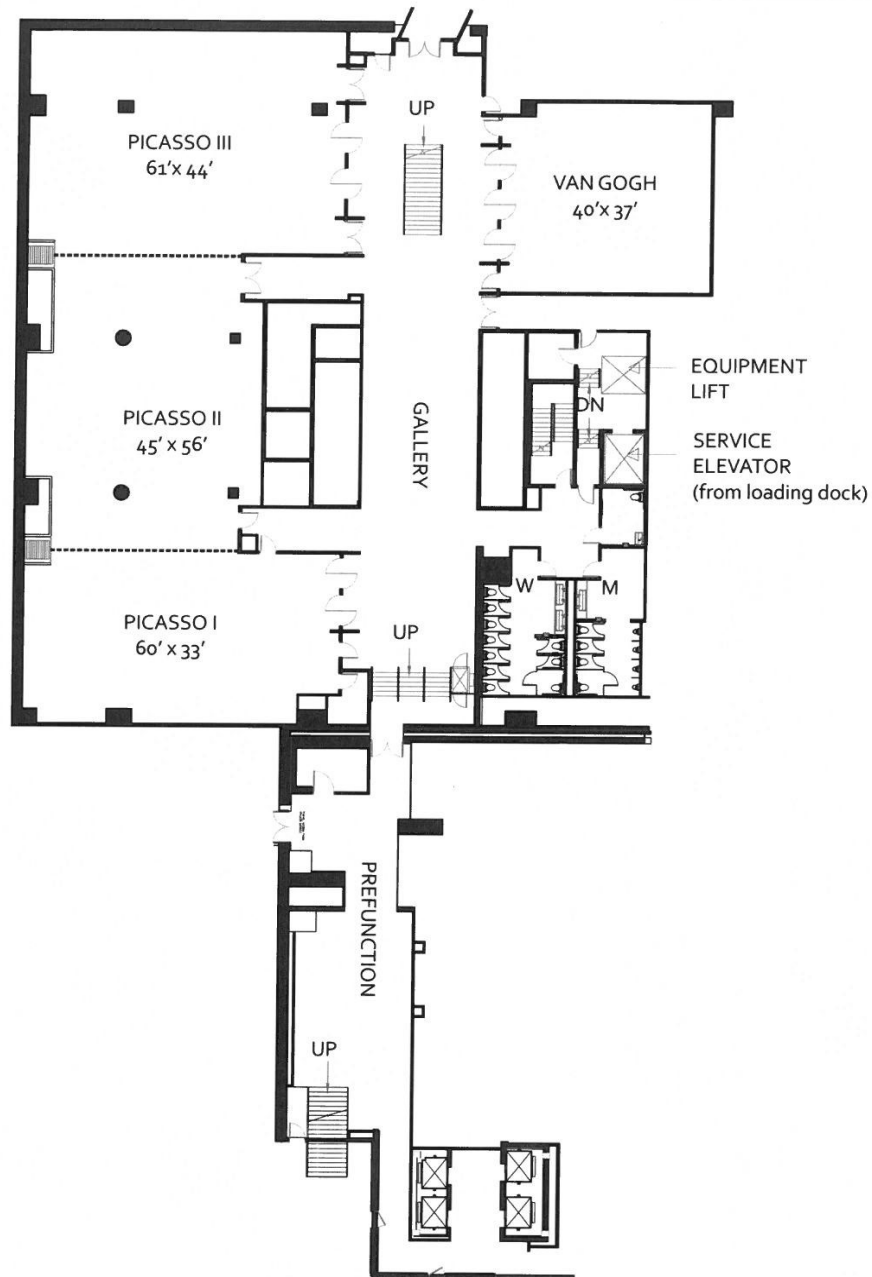
Picasso I & II

Notes

Maps

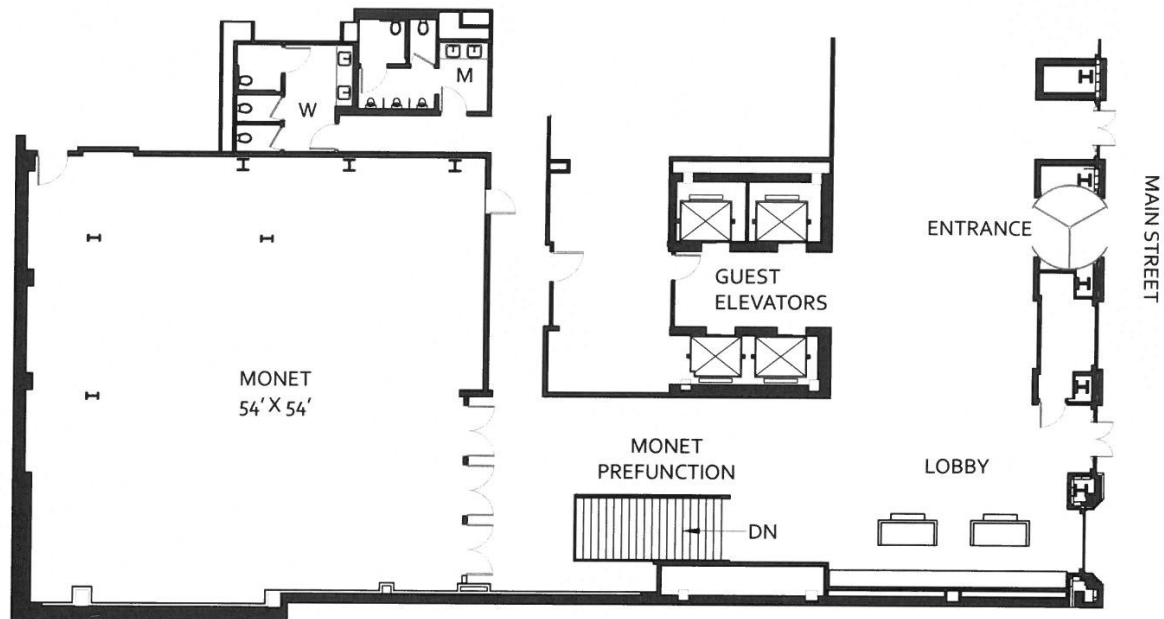
Hotel Floor Plan

Gallery Level



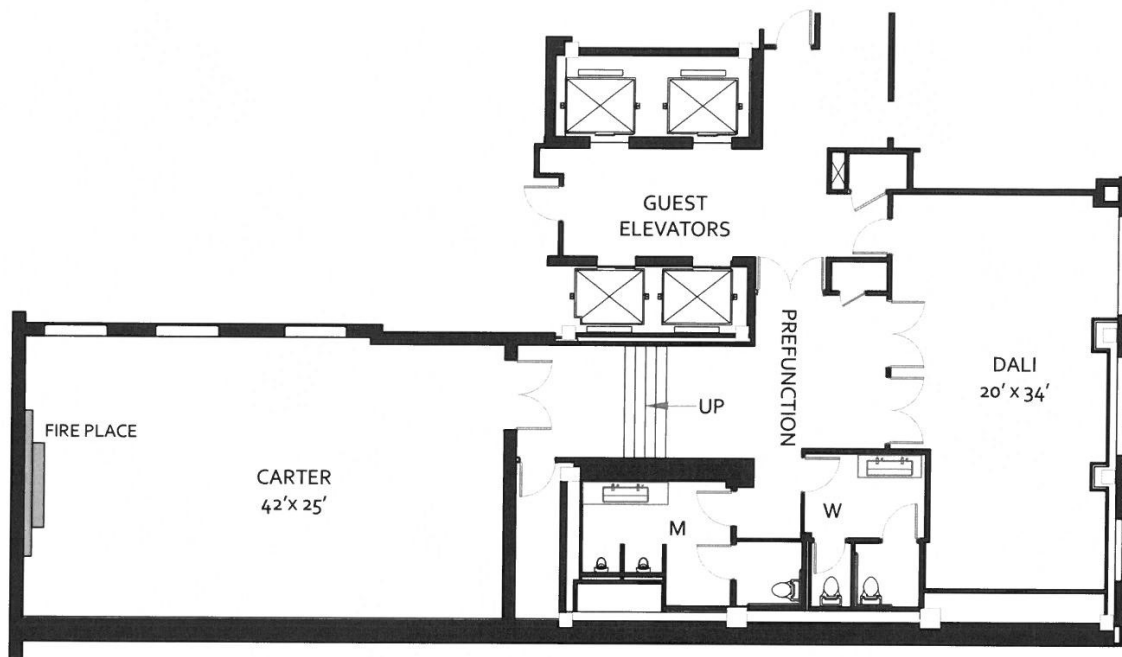
Hotel Floor Plan

Living Room Level



Hotel Floor Plan

Second Level



Exhibitors Floor Plan



Booth 100: L3 MAPPS

Booth 102: Simtronics Corporation

Booth 103: Corys, Inc.

Booth 105: Corys, Inc.

Booth 106: SimGenics Simulation Systems

Booth 107: Tecnatom

Booth 108: Tobii Pro

Booth 109: GSE Systems, Inc.

Booth 110: WSC, Inc.

Booth 111: WSC, Inc.

Restaurants in Houston

Batanga

908 Congress St, Travis, Houston, TX 77002-1710

Phone: +1 713-224-9500

<http://batangahouston.com/>

Batanga is a transformed 1880's saloon into a modern tapas restaurant with a vibrant, fun atmosphere reminiscent of Latin America. Featuring Latin American tapas dishes (small plates) that originate from places such as Peru, Brazil, Spain, Colombia, Mexico, Cuba, Argentina, and Portugal, they are open 7 days per week for lunch and dinner, with a Happy Hour that runs 3pm – 7pm M-F. They also feature exotic, handcrafted cocktails and extensive wine list..

Mezza Grille

6100 Westheimer Rd, Houston, TX 77057-4559

Phone: +1 713-334-2000

<http://mezzagrillehouston.com/>

Chef-owner Mike Tibi's vision for an upscale, yet relaxed, fine dining restaurant is a must-visit for locals and visitors looking for the best dining experience in Houston. Since opening our doors in 2005, Mezza Grille excels at pleasing guest's taste buds with a unique fusion of New American and Mediterranean flavors, steakhouse favorites, and fresh seafood. Whether enjoying lunch or dinner, guests always leave satisfied and craving more!

Bombay Pizza Company

914 Main St Unit 100, Houston, TX 77002-6209

Phone: +1 713-654-4444

<http://www.bombaypizzaco.com/>

Bombay Pizza Company is an Indian-Italian pizzeria. It serves Italian cuisine graced with Indian herbs and spices. They serve pizza, pasta, mini-burgers, soup, and salads. They also serve desserts and offer a diverse selection of beverages ranging from local & international beers to all-natural soda imported from India.

The Springbok

711 Main St, Houston, TX 77002-3310

Phone: +1 832-767-5574

<http://www.springbokhouston.com/>

Discover the many flavors of The Springbok, whose historical influences are derived from Africa, Europe, Holland, Malaysia and India. Their exceptional, Chef Seth's curated menu consists of exclusive pairings of meats, curries, sauces, and vegetables combinations in addition to our unmatched selection of wines and spirits.

Restaurants in Houston

Mia Bella

1201 Caroline St. Suite # 161 Houston, TX 77002

Phone: +1 832-319-6675

<http://www.miabellarestaurants.com/>

Mia Bella, which translates as “My Beautiful” Trattoria, is a delightful combination of Italian traditional dishes with an American regional flare. With multiple locations, the dining destinations are fun, intimate and moderately priced just like the traditional Trattorias in Italy where families gather for wine and delicious food.

The Grove

1611 Lamar St. Houston, TX 77010

Phone: +1 713-337-7321

<http://www.thegrovehouston.com/>

The Grove restaurant offers a modern and elegant urban dining experience unlike anything else in downtown Houston. Ideally located on the South end of Houston’s 11.8-acre urban park Discovery Green, the legendary Schiller Del Grande Restaurant Group’s latest offering is a one-of-a-kind setting for gatherings of all sizes and types. The Grove is the definitive see-and-be-seen culinary hotspot in Houston’s urban core and has redefined downtown dining since opening in January 2008.

Vic & Anthony’s

1510 Texas Ave, Houston, TX 77002

Phone: +1 713-228-1111

<http://www.vicandanthonys.com/locations/houston/index.asp>

Conveniently located in downtown Houston, Vic & Anthony’s award-winning menu delivers impeccable cuisine and service for fine steakhouse dining. Preparing only the highest quality, their menu features USDA Prime Midwest grain fed beef, savory appetizers, fresh seafood, decadent desserts and an exquisite wine list available lunch and dinner. Be sure to check our site often for our monthly wine dinners.

Brennan's of Houston

3300 Smith St, Houston, TX 77006-6692

Phone: +1 713-522-9711

<https://www.brennanshouston.com/>

Making great customer memories through fine dining in Houston, TX is their simple truth. It is the driving force behind every decision and the tiniest of details made at The Brennan’s of Houston Restaurant. From their welcoming greeting, throughout dining, to the Bananas Foster, and finally a fond farewell, they create a unique environment that sets the perfect backdrop for great memories to come to life. It’s no secret that there’s something truly magical about dining at Brennan’s of Houston, where great food and great memories are a lasting tradition.

Things to Do in Houston

Texas Medical Center

6550 Bertner Avenue, Executive Offices, Houston, TX, 77030

Phone: 713-791-6454 <http://www.tmc.edu/>

Texas Medical Center (TMC) — the largest medical complex in the world—is at the forefront of advancing life sciences. Home to the brightest minds in medicine, TMC nurtures cross-institutional collaboration, creativity, and innovation. It is the world's largest children's hospital & world's Largest Cancer Hospital. The TMC's member's institutions work together to promote the highest standards of patient care, research and education. From some of the world's leading hospitals to the world's largest steam and chilled water facility, our members institutions are making an impact on Houston.

The Hobby Center for the Performing Arts

800 Bagby Street, Ste. 300, Houston, TX 77002

Phone: 713-315-2400 <https://www.thehobbycenter.org/>

The Hobby Center Foundation is a nonprofit organization whose mission is to expand Houston's reputation as a world-class cultural center by providing a premier performing arts facility, fostering accessibility to the performing arts and promoting arts education, with an emphasis on musical theater.

NRG Stadium

One NRG Park, Houston, TX 77054

Phone: 832-667-1400 <http://www.nrgpark.com/nrg-park-facilities/nrg-stadium/>

NRG Stadium is the only rodeo and NFL indoor/outdoor retractable roof stadium that can be configured to utilize a 125,000 square foot space for general sessions, catered functions, exhibits, concerts, and much more. NRG Stadium sets the perfect stage for exhibits, concerts, and professional or amateur sporting events, and provides incredible club level meeting spaces for general sessions and catered functions. In addition, NRG Stadium offers four massive concourse levels for special events. The design of the stadium roof provides a very flexible rigging configuration for major *audio and visual* presentations. 196 suites complement NRG Stadium.

Space Center Houston

1610 NASA Road Parkway, Houston, TX 77058

Phone: +1 281-244-2100 <https://spacecenter.org/>

The Manned Space Flight Education Foundation is a 501(c)(3) nonprofit educational foundation offering extensive science education programs and a space museum. The cornerstone of its education mission is Space Center Houston, a leading science and space learning center. It is one of Houston's top attractions, the area's No. 1 attraction for international visitors, the Official Visitor Center of NASA Johnson Space Center and a Smithsonian Affiliate.

Things to Do in Houston

Houston Zoo

6200 Hermann Park Drive, Houston, TX 77030

Phone: 713-533-6500 <https://www.houstonzoo.org/>

The Houston Zoo is made up of many moving parts. We have over 6,000 permanent residents (our animals) for whom we provide housing, meals, medical care and, yes, even education! There are over 2 million guests each year who come to experience our incredible variety of animals and ecosystems, as well as attend special private and public events and entertainment. Our dedicated staff works around the clock to ensure that the Zoo is always running smoothly for the safety and well being of our residents and guests.

Minute Maid Park

501 Crawford Street, Houston, Texas, 77002

Phone: 713-259-8000 <http://houston.astros.mlb.com/hou/ballpark/>

A jewel in the crown of the majestic downtown Houston skyline, Minute Maid Park has become a welcome home for the Houston Astros and has ushered in a new era of Major League sports in the city. The downtown ballpark continues the proud tradition of visionary innovation in stadium construction, beginning with the club's previous home - the Astrodome. Minute Maid Park's retractable roof technology brought open-air baseball to Houston for the first time in 35 years, and the natural grass surface and classic architecture provided Minute Maid Park the atmosphere of the great ballparks of baseball's Golden age.

Bayou Place

520 Texas Avenue, Houston, TX 77002

Phone: 713-228-2109 <http://www.bayouplace.com/>

Bayou Place is a 130,000 square foot[1] entertainment complex that houses multiple theaters, bars, and restaurants located in Downtown Houston, Texas, United States. The complex was the former Albert Thomas convention center located in the Houston Theater District at 500 Texas Street (originally built in the late 1960s). Restaurants and entertainment included are the Hard Rock Café, Little Napoli Italian Cuisine, Revention Music Center, and many more.

The Menil Collection

1515 Sul Ross Street, Houston, TX 77006

Phone: 713-525-9400 <https://www.menil.org/>

The Menil Collection is an art museum located in Houston, Texas, USA, in a 30-acre neighborhood of art. The main building houses special exhibitions and the permanent collection, and it anchors a campus with three other museum buildings: two are dedicated to single artists (Cy Twombly and Dan Flavin) and another to year-long installation projects; a fourth building is under construction for a drawing institute. Known for displays that allow the objects and works of art to speak for themselves—there are no “didactics” on the wall or media in the galleries—the Menil philosophy is to foster each individual’s direct, personal encounter with works of art. The display of carefully chosen artworks in sympathetic settings are Menil hallmarks.

Upcoming SCS Conferences

2018 Spring Simulation Multi-conference (SpringSim'18)

April 15-18, 2018

The Embassy Suites & The Grand Historic Venue, Baltimore, Maryland, USA

The Spring Simulation Multi-Conference 2018 (SpringSim'18) brings leading experts in various domains of Modeling and Simulation together.

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'18 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.

SpringSim'18 symposia currently scheduled include (but are not limited to):

- Annual Simulation Symposium (ANSS)
- Symposium on Theory of Modeling and Simulation (TMS/DEVS)
- High Performance Computing Symposia (HPC)
- Agent-Directed Simulation (ADS)
- Communications and Networking Symposium (CNS)
- Modeling and Simulation in Medicine (MSM)
- Tutorials & Tools, Student M&S Demo Session

And many more!

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



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Upcoming SCS Conferences

2018 Summer Simulation Multi-conference (SummerSim'18)

July 9—July 12, 2018

University of Bordeaux, Bordeaux, France

The Summer Simulation Multi-Conference 2018 (SummerSim'18) is a combination of the 50th Summer Computer Simulation Conference (SCSC), the 21st International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS) and the 13th International Conference on Bond Graph Modeling (ICBGM). SummerSim 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. 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'18 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.

The following symposia are scheduled:

- International Symposium on Performance Evaluation of Computer and Telecommunication Systems 2018 (SPECTS'18)
- Summer Computer Simulation Conference 2018 (SCSC'18) - See website for a full list of sub-tracks in this symposium.
- International Conference on Bond Graph Modeling (ICBGM'18)

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



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