

**The Masonry Society**  
105 South Sunset Street, Suite Q  
Longmont, CO 80501-6172

Attention: Designers, Contractors, Material Suppliers and others interested in  
Masonry Design, Construction, and Preservation

## 2017 TMS Annual Meeting

*Advancing the Knowledge of Masonry*

### Meeting Highlights

The Annual Meeting and 40th Anniversary Celebration of The Masonry Society (TMS) will be held November 3-7 in La Jolla, California. This meeting will feature committee meetings, technical sessions, and plenty of social activities. Come celebrate our Ruby Anniversary with us! We will share highlights and stories from our 40 years as a Society at a very special Awards Luncheon on Saturday, November 4th. A commemorative edition of the Awards Lunch program will be given to all attendees.



*Come meet us in beautiful southern California for the TMS Annual Meeting and take time to enjoy San Diego Bay and other sites in the area.*

**The Masonry Society's 2017 Annual Meeting**  
*Advancing the Knowledge of Masonry*  
La Jolla, California November 3-7, 2017

Presentations include:

- **A Brief History of The Masonry Society** by Daniel P. Abrams
- **The History of Structural Masonry Standards Development** by John G. Tawresey
- **ASCE 7-16 Changes and Impacts on Masonry Design** by Ronald O. Hamburger
- **The 2018 I-Codes - Changes That Will Affect Masonry** by Jason J. Thompson
- **Evaluating the Energy Impacts of Concrete Masonry Wall Constructions in the Pacific Northwest** by Thomas C. Young
- **Analysis of Masonry Shear Walls Using Strut-and-Ties Models** by Patrick B. Dillon & Fernando S. Fonseca
- **Self-Consolidating Grout Research** by Craig V. Baltimore
- **3D Visualization Tools for Documenting Masonry** by Michael P. Schuller
- **Recent Collapses of Historic Masonry Structures** by Craig M. Bennett, Jr.
- **The Genealogy of Masonry Facade Repairs: The Next Generation** by Edward A. Gerns & Rachel L. Will
- **Post-Installed Masonry Veneer Anchors** by Bryan Rouse & Rachel L. Will
- **Adhered Masonry Veneer Systems: Old Problems and New Challenges** by Robert C. Haukohl
- **Nonlinear Analysis of Reinforced Masonry Shear Walls with ASCE 41** by P. Benson Shing

See inside of brochure for details on meetings and events designed for your education and enjoyment.

# The Masonry Society's 2017 Annual Meeting

## Advancing the Knowledge of Masonry



The Masonry Society's 2017 Annual Meeting is filled with numerous educational opportunities in addition to our Committee (Business) Meetings, Member/Guest Reception, Awards Luncheon, and social events. The following topics will be presented during the General Sessions on Saturday, November 4, 2017. These presentations are typically 20 minutes in length and provide informative background on a variety of design, construction, and evaluation topics related to masonry. Certificates of Continuing Education are available to those attending.

### TMS Turns 40! - A Brief History of The Masonry Society

*Presented by Daniel P. Abrams*

Honorary Member and Past President Daniel Abrams will reflect back on the early beginnings, struggles and achievements of The Masonry Society. Come hear this interesting and entertaining history of OUR Society from one of our honored members.

### The History of Structural Masonry Standards Development

*Presented by John G. Tawresey*

Have you even wondered why TMS 402 is 402 and not 401, or simply 1? Are you confused as to why the masonry standard is no longer ACI 530? John Tawresey, TMS Honorary Member, Past President, and Founding Member, will review the history of how TMS 402 came to be after an earlier TMS Standard (TMS 401), and the struggle to first create a joint committee and then to have the standard solely developed by TMS.

### ASCE 7-16 Changes and Impacts on Masonry Design

*Presented by Ronald O. Hamburger*

The 2016 edition of ASCE 7, Minimum Design Loads and Associated Criteria for Buildings and Other Structures includes a number of important revisions including the introduction of new hazard maps for atmospheric icing, snow, seismic and wind loading, improved Rain Loading provisions, a complete rewrite of Chapter 16 on non-linear seismic analysis, a new Chapter on Tsunami-resistant design, as well as many other changes. These provisions will serve as the basis for design loads in the 2018 International Building Code and will affect the design loads on masonry buildings. Ronald O. Hamburger, S.E., Senior Principal at Simpson Gumpertz & Heger, who served as Chair of ASCE 7-16, will summarize the most important changes to ASCE 7-16 and will note changes that will affect the design of masonry structures. Time permitting, he will also note how these changes will be incorporated into IBC Chapter 16.

### The 2018 I-Codes - Changes That Will Affect Masonry

*Presented by Jason J. Thompson*

The 2018 Editions of the International Codes which include the International Building Code (IBC), International Residential Code (IRC), International Existing Building Code (IEBC), International Energy Code, and other model codes will soon be released and will start to be adopted in various locations in the coming months. Jason Thompson, Vice President at the national Concrete Masonry Association and Chairman of the Masonry Alliance for Codes and Standards will provide an update on major changes to expect related to masonry design, construction and repair.

### Evaluating the Energy Impacts of Concrete Masonry Wall Constructions in the Pacific Northwest

*Presented by Thomas C. Young*

Concrete masonry walls are often selected for their durability and impact resistance. As energy codes become more stringent, additional insulation is required to show prescriptive code compliance, increasing first costs, and reducing the durability of the wall. A study was conducted to evaluate the impacts of wall constructions with high thermal mass in ASHRAE climate zone 4C as it relates to design performance, code compliance, and life cycle cost effectiveness.

The life cycle cost results suggest that prescriptive code compliance for mass walls is not adequate for optimizing owner investment. Design teams may find that improving building HVAC or lighting systems may be more cost effective than adapting mass walls to comply with prescriptive code requirements.

### Analysis of Masonry Shear Walls Using Strut-and-Ties Models

*Presented by Patrick B. Dillon & Fernando S. Fonseca*

Mechanical models provide a good combination of efficiency, reliability, and practicality for most masonry analysis and design scenarios. The use of stress fields, which are based on the lower-bound theorem of the theory of plasticity, has been shown to be efficient and reliable. Stress fields have been combined with the truss analogy to produce what is known as the strut-and-tie modeling procedure. This method makes it easy to visualize complicated stress paths and enables designers of reinforced quasi-brittle materials to optimize the amount and location of the reinforcement. Strut-and-tie modeling can be a practical tool for designing masonry structures, but unfortunately, there are no guiding principles for implementing the method in masonry design. This presentation will introduce ongoing research to develop strut-and-tie modeling procedures for masonry.

### Self-Consolidating Grout Research

*Presented by Craig V. Baltimore*

Self-consolidating grout that does not rely on chemical admixtures and simultaneously includes a high percentage replacement of Portland cement (a sustainable feature) have the potential for a robust solution. Research to date shows potential under laboratory conditions. This presentation reports on the continued research of repeatability of grout strength (cube compression testing at 28, 56, 100 days) and initial testing protocol under commercial conditions.

### Advertise in the Commemorative 40th Anniversary Awards Luncheon Program

To purchase an advertisement or place a commemoration message in the program contact TMS by [August 31, 2017](mailto:info@masonrysociety.org). Email inquiries to [info@masonrysociety.org](mailto:info@masonrysociety.org) with the following information:

- Name
- Company
- Desired ad size and/or measurements
- High resolution image file (tiff/jpg) or text

### 3D Visualization Tools for Documenting Masonry

*Presented by Michael P. Schuller*

Photogrammetry and laser scanning methods can capture surface conditions in great detail, and recent improvements in both hardware and computing power are bringing the methods into mainstream usage. Surface models developed using the techniques are used for documenting and visualizing conditions, as input into modeling software, and to provide models for stone fabricators tasked with carving replacement pieces. The presentation will provide an overview of photogrammetry and laser scanning methods illustrated with examples from projects, along with recommendations for capturing data to properly develop accurate models.

### Recent Collapses of Historic Masonry Structures

*Presented by Craig M. Bennett, Jr.*

The city of Charleston, South Carolina is filled with historic structures, the majority of them masonry. Unfortunately, the city has seen headline-grabbing partial structural collapses of several historic structures recently, and we have found ourselves called in, after the fact, on failures of at least six historic masonry buildings in Charleston alone and several others around the southeast. In this talk, Bennett examines the factors common to these failures and makes recommendations on ways in which owners of historic masonry structures can significantly reduce the likelihood of a very serious structural problem.

### Adhered Masonry Veneer Systems: Old Problems and New Challenges

*Presented by Robert C. Haukoht*

Adhered masonry veneer systems have continued to evolve since becoming popular in the 1950's, with standards and installation guides trailing but eventually catching up. Now, energy codes and drainage plane requirements present new challenges for designers and installers, with old (yet still very relevant) concerns about durability and construction practices continuing to haunt the industry. This presentation will cover the basics about adhered masonry veneer, its comparative advantages and disadvantages, and ways in which the industry is trying to cope with old problems and new challenges.

### The Genealogy of Masonry Facade Repairs: The Next Generation

*Presented by Edward A. Gerns & Rachel L. Will*

The majority of historic masonry high-rise buildings were constructed between 1890 and 1930. Over the decades the approach for maintenance and repair had changed. In the 1950s many of these buildings were raised or the facades were modified to remove fall hazards. Beginning in the 1980s and continuing today, many cities have adopted code mandated inspection programs for building facades. Since the inspections were to be performed by architects and engineers, design professionals were becoming more involved in the repair and maintenance process. New issues have begun to develop in the past five years. The conditions now being addressed in many ways is much more concerning for design professionals than previous decades. Specifically, distress is often related to improper previous maintenance and/or concealed distress that is to date not detectable until failure occurs.

This presentation will provide an overview of the repair and evolution of the repair of historic masonry high-rise buildings with specific examples of the distress being encountered by the authors on buildings that have been maintained or exhibit little or no indications of potential deficiencies.

### Post-Installed Masonry Veneer Anchors

*Presented by Bryan Rouse & Rachel L. Will*

There are numerous situations where post-installed masonry veneer anchors are needed. Many applications present straightforward conditions that anchor manufacturers have anticipated and have test data to support the designer's decisions regarding retro-fitting the veneer's lateral restraint system. However, there are times when the as-built wall system presents unique circumstances that cannot be dealt with in a traditional manner or where not test data exists for evaluating the potential use of available post-installed anchors. The presentation will focus on case studies of unique conditions where in-situ testing and evaluation was necessary to validate the anchor performance before the project proceeded. It will also address the decision-making process in assessing the appropriate anchor(s) for a given situation.

### Nonlinear Analysis of Reinforced Masonry Shear Walls with ASCE 41

*Presented by P. Benson Shing*

ASCE 41 provides guidelines for assessing the seismic performance of masonry structures using nonlinear analysis. However, the backbone curves provided to describe the nonlinear behavior of reinforced masonry shear walls were based on limited experimental data. A study was recently conducted under the ATC 114 project to examine available experimental data, evaluate the adequacy of these backbone curves, and develop improved guidelines and nonlinear models for the performance assessment of reinforced masonry wall structures. Both flexure-dominated and shear-dominated wall components were considered. The study has shown that the backbone curves recommended in current guidelines significantly under-estimate the deformation capability of reinforced masonry shear walls. A rational modeling method has been proposed in the study for flexure-dominated walls. The method has been validated by experimental data, and used to generate improved backbone curves for fully-grouted rectangular wall sections. Based on experimental data, improved backbone curves have been developed for shear-dominated walls. This presentation will provide a summary of that study and the proposed analysis methods.

#### TMS Research Committee Special Technical Session Masonry Giants Research Honoring M. J. Nigel Priestley Sunday, November 5, 2017, Noon to 3:00 PM

The Research Committee of The Masonry Society is hosting a special Technical Session to honor Dr. M. J. Nigel Priestley, Emeritus Professor of Structural Engineering at the University of California at San Diego for his significant and lasting contributions to masonry research. Dr. Priestley's research focused on the seismic design of concrete and masonry structures, and on seismic design philosophy. He is credited with developing the first method for displacement-based design, an approach that has been described as revolutionary. His work on the modeling of fundamental masonry characteristics, such as the stress-strain relation, and the enhancement of fundamental masonry properties, such as confinement in compression regions, is regularly cited by masonry researchers worldwide.

During this Technical Session, members of TMS's Research Committee and invited speakers will review a variety of masonry topics in honor of Dr. Priestley's contributions to masonry research. Watch TMS's Website for more information on this session.

## Meeting Events

### Arrival Day Event

**Thursday, November 2, 6:00 to 9:00 PM**

After you check into the Sheraton La Jolla, join your fellow TMS meeting attendees in Shooters Bar & Grill located just off the lobby of the Hotel. Known not only as one of the best, but also the friendliest bar in La Jolla, it is a favorite haunt of locals. Enjoy Happy Hour specials and live entertainment with the wonderful John Cain on piano. Although this is an informal gathering where everyone is encouraged to attend at their convenience, we'd appreciate knowing if you plan to join the group so we can plan accordingly. Please note that individual costs are borne by attendees.

### Town Hall Meeting

**Friday, November 3, 6:00 to 7:00 PM**

During this Town Hall Meeting we will be discussing the 40th birthday of TMS and plans for the next 40 years! All Members and interested parties are encouraged to attend the Town Hall Meeting.

### TMS Member / Guest Reception

**Friday, November 3, 7:00 to 9:00 PM**

Join TMS Members and Guests for a reception and birthday cake as we celebrate the first 40 years of the Society. Photographs and mementos of past TMS events will be on display as we reminisce and make new memories. Always enjoyable, the Reception offers everyone a chance to relax, catch up, and network with fellow TMS Members and their Guests in an informal setting. This event is included in the Meeting Registration fee and is complimentary for Guests.



*Surfers gather at Crystal Pier on Pacific Beach in San Diego.  
Photo Courtesy of SanDiego.org*

### "Younger" Member Get Together

**Friday, November 3, 9:00 to 10:00 PM**

TMS's "young" and "young at heart" Members will continue the fun at Shooter's Bar & Grill after the TMS Member/Guest Reception. Shooter's music for the evening will be Elliot Lawrence on guitar. Individual costs borne by attendees.

### TMS Awards Luncheon

**Saturday, November 4, 11:45 AM to 1:30 PM**

Come enjoy a wonderful meal with your friends and colleagues as we celebrate 40 years as a Society. The Awards program will be listed in a very special 40th anniversary commemorative edition. TMS will announce the 2017 recipients of many awards including the President's Award, Theses Awards, and Service Awards. Kurtis K. Siggard will also be honored as the newest TMS Fellow Member. Acknowledgement will be given to outgoing Directors of the Board and past Committee Chairs. Come join us in congratulating and thanking these special Members for their contributions to TMS and the masonry technical community! This event is included in the Full Meeting Registration or One Day Saturday Only fee for attendees. \$55 per person fee for additional Guests.

### San Diego Bay Full Moon Dinner Cruise

**Saturday, November 4, 6:00 – 10:15 PM**

We continue celebrating 40 years of the Society with our San Diego Bay Dinner Cruise. Few places are as beautiful as the deck of a Hornblower yacht on the night of full moon over San Diego. Enjoy champagne, an elegant dinner, and plenty of time to stargaze on the outdoor deck. See details on the next page.

### Optional Sunday Morning Events

**Sunday, November 5**

See event details on pages 5 & 6.

### Pizza and Beer Party

**Sunday, November 5, Immediately Following TMS 402/602 Meeting**

This event is included in the Full Meeting Registration, TMS 402/602 Multiple Day, or One Day Sunday Only fee for attendees. Complimentary for Guests.



*Sunset at Pacific Beach in San Diego.  
Photo Courtesy of SanDiego.org*

## Hotel Information



The 2017 Annual Meeting will be held at the **Sheraton La Jolla Hotel**, offering 7.5 acres of Tropical beauty in the middle of La Jolla. Guest room reservations can be made by calling **(888) 627-8445** and identifying yourself as a TMS 2017 Annual Meeting attendee. Registrations can also be made online. Use the link below to receive the special group rate of \$155 per night. This special rate closes **October 11, 2017** or when the TMS room block is sold out.

[starwoodmeeting.com/events/start.action?id=1705048324&key=2BDD0396](http://starwoodmeeting.com/events/start.action?id=1705048324&key=2BDD0396)

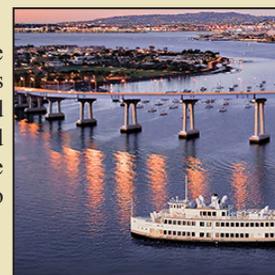
**Sheraton La Jolla Hotel**  
3299 Holiday Court  
La Jolla, CA 92037

**Reservations: (888) 627-8445**  
Main Phone: (858) 453-5500

## San Diego Bay Full Moon Dinner Cruise (\$85 per person\*)

Saturday, November 4, 6:00 – 10:15 PM

Experience a magical, unforgettable evening cruising San Diego Bay from the comfort of a spacious yacht under the full moon with your TMS friends. You will be greeted upon boarding with a glass of chilled champagne. A delicious three-course gourmet dinner will be served at your table, made on board from local, seasonal ingredients and served by award-winning stewards. After dinner, head up for a spin on the dance floor or stroll the decks under the stars and the full moon. Enjoy breathtaking views of San Diego's most famous sights, including the Coronado Bay Bridge, the Star of India, the North Island Naval station, and the USS Midway aircraft carrier. Meet in the Hotel lobby at 6 PM to board our chartered bus.



Attendees receive:

- Round trip transportation between the Hotel and Grape Street Pier on a Deluxe Chartered Bus
- 3-hour Cruise Aboard a Yacht on San Diego Bay
- Private Tables for TMS Guests
- Boarding Glass of Chilled Champagne or Sparkling Cider
- Complimentary Coffee & Tea
- Full Cash Bar
- Choice of 4 entrees from the 3-course Dinner Menu prepared fresh onboard the ship. Chefs are happy to customize your meal to accommodate dietary restrictions.
- A Professional DJ for Music and Dancing
- Views of San Diego that change with the Courses
- FREE Wi-fi so you can post your photos while you cruise!

**Meal Choices** - Meals are prepared with seasonal, natural, preservative free, organic, and local ingredients whenever possible. Meal choice(s) must be submitted at time of purchase.

- **Braised Beef Short Rib** - USDA Choice short rib, braised with rich veal demi-glace, perfumed with port wine. Accompanied with herb roasted fingerling potatoes and seasonal vegetables.
- **Roasted Atlantic Salmon with Chipotle Glaze** - Sustainably farmed Atlantic salmon, oven-roasted and lacquered with a chipotle BBQ glaze. Finished with a savory mango relish, a creamy risotto cake, and fresh vegetables.
- **Maple Brined, Pan Seared Chicken Breast** - All natural, antibiotic free breast of chicken pan seared to perfection. Served with a tri-colored blend of Quinoa and a collage of garden vegetables and kale.
- **Chef Elmer's Baked Vegetable Timpano** - Our house made tower of roasted vegetables is wildly popular. Grilled zucchini, eggplant, squash, and red peppers layered with penne pasta and baked in a classic béchamel sauce. Resting on a garland of wilted spinach, leeks, and fennel and topped with zesty pomodoro sauce.

*\*Tickets must be purchased no later than October 20, 2017 at 5 pm ET. No on site purchases will be available.*

## Sunday Morning Things to Do

### Walking Tours of Historic La Jolla

The La Jolla Historical Society has several self-guided walking tours of the area that we may use to explore the history and architecture of La Jolla. From the early Craftsman-style beach cottages and farmhouses that dotted the landscape, buildings during the Arts and Crafts movement, Irving Gill designs (Gill is regarded as a pioneer in the early modern movement), Frank Lloyd Wright's students work, to mid-century modern, La Jolla architecture offers something for everyone's taste. Groups will organize in the Hotel lobby at 8:30 AM and share rides to historic La Jolla to begin the walking tours. Attendees can return to the Hotel for the noon meetings or continue their exploration of La Jolla, returning to the Hotel at their leisure. Individual costs for transportation, etc., are borne by attendees. There is no charge for the walking tours.



Left: Courtyard of the Salk Institute for Biological Studies in La Jolla, a stop on the mid-century architecture tour.

By: Saint Etienne via Wikimedia Commons

Below: Torrey Pines Beach  
Photo Courtesy of SanDiego.org



### Torrey Pines State Natural Reserve

Torrey Pines State Natural Reserve® is located within San Diego city limits and yet remains one of the wildest stretches of land on the Southern California coast. Because of the efforts and foresight of the people in this area, 1,500 acres of land are as they were before San Diego was developed — including the maritime chaparral, the rare Torrey pine, miles of unspoiled beaches, and a lagoon that is vital to migrating seabirds. Whether easy, moderate or challenging, [the trails](#) offer natural beauty and peace in the midst of metropolitan San Diego. Explore this haven from the mesa top through groves of Torrey pine trees, wildflowers, and rugged 300 ft. sandstone cliffs down to the unspoiled beach (Sunday AM will be high tide so much of the beach will be inaccessible). Free public guided walks for those interested are at 10 AM on Sundays. Most trails start at the Historic Torrey Pines Lodge. Designed by noted architects Richard Requa and Herbert Jackson, and built between 1922-1923, this gracious Pueblo Revival structure was the gift of philanthropist Ellen Browning Scripps. It is built of adobe bricks which were manufactured from local materials on site. There is a facility use fee for any vehicle entering Torrey Pines State Natural Reserve. Fees vary for both the North and South lots from \$6.00 per hour to \$15 per day on Sundays. Please keep in mind that a reserve is not a park. A natural reserve status is assigned to an area of importance, and typically is one that contains threatened plants, animals, habitats, or unique geological formations. Therefore, adopt a “Pack it in-pack it out” policy (trash disposal is only available in the parking lots) and note that no food or drink (except for water) is allowed anywhere in the Reserve, including the parking lots. A complete list of rules and info, including videos, is [available here](#). Groups will organize in the Hotel lobby at 8:30AM and share rides. Individual costs for transportation, etc., are borne by attendees.

## More Sunday Morning Things to Do (continued from previous page)

### Golf at Torrey Pines

Torrey Pines Golf Course sits on the coastal cliffs overlooking the Pacific Ocean and is recognized as the premier municipal golf course owned and operated by a city. It is named after the Torrey Pine, a rare tree that grows in the wild only along this local stretch of the coastline in San Diego County and on Santa Rosa Island. It offers two picturesque and, due to its yearly hosting of the PGA TOUR's Farmers Insurance Open event, widely recognizable championship 18-hole golf courses. It is surely the most accessible public facility for the die-hard enthusiast wishing to play at a world-renown facility that nearly all golfers know by name. Some meeting attendees will be golfing early Sunday morning before our meetings start at noon and possibly other times. Contact the TMS office at [tmsmeetings@masonrysociety.org](mailto:tmsmeetings@masonrysociety.org) if you would like to join in on the fun and we will put you in contact with those who share your interest in golfing. Individual costs borne by attendees.

## Things to Do in San Diego

The San Diego area has so many interesting things to do, it is Impossible to list them all. Below are just some of the highlights that may be of interest to TMS meeting attendees. San Diego Visitor Guides will be available at the TMS registration desk.



*Buildings in Downtown San Diego's historic Gaslamp Quarter.  
Photo Courtesy of SanDiego.org*

*The iconic California Building and Tower at Balboa Park.  
Photo Courtesy of Museum of Man*



The earliest indications of people living in San Diego date back 9,000 years. Juan Rodriguez Cabrillo led the first European expedition to explore what is now the west coast of the United States, departing from Navidad, Mexico. On Sept. 28, 1542 (103 days later), Cabrillo's ships entered a bay he described as "a closed and very good port," which he called San Miguel, and claimed the land for Spain. It is believed that he anchored his flagship on Point Loma's east shore. The name San Miguel was changed to San Diego 60 years later as the Spanish used the word Diegueño to identify the native people in the area. **Cabrillo National Monument**, established in 1913, commemorates Cabrillo's voyage of discovery, preserves the delicate ecosystem, and includes the Point Loma Lighthouses, and Fort Rosecrans. Check at the Visitor Center to see what guided programs may be offered during your visit.

**Old Town San Diego** is considered the "birthplace" of California. San Diego is the site of the first permanent Spanish settlement in California. It was here in 1769, that Father Junipero Serra established the very first mission in a chain of 21 missions that were the cornerstone of California's colonization. The mission and Presidio were built on a hillside overlooking what is known as Old Town San Diego. At the base of the hill in 1820's, a small Mexican community of adobe buildings was formed and by 1835 had attained the status of El Pueblo de San Diego. In 1846, the American flag was raised in the Plaza. Old Town is a cultural and historic area which has become a virtual mecca for history buffs, shopping, and fine dining. Highlights include: over 15 historic sites, Old Town San Diego State Historic Park (which includes Fiesta de Reyes with traditional Mexican cuisine and music), a working blacksmith shop, the park's burros, and museums. Also in Old Town is the **Whaley House Museum**. According to the Travel Channel's America's Most Haunted, the Whaley House is the **number one most haunted house** in the United States.

**Balboa Park** is where the arts, culture, and history of San Diego come together to create a 1,200 acre wonderland filled with unforgettable experiences for everyone. Balboa Park contains 19 thriving gardens, 17 museums, 13 recreation venues, 9 performing arts arenas, 9 attractions, dog parks and trails, fabulous restaurants, upscale shopping, the **San Diego Zoo**, and exquisite Spanish Moor architecture and is known as America's largest urban cultural park. Beginning in 1868 as City Park, the land sat idle for more than two decades before the first beautification projects began. Known as the Mother of Balboa Park, Kate Sessions offered to plant 100 trees a year and donate foliage within the park's boundaries in exchange for a small portion of land to be used as her nursery. Beginning officially in 1903, beautification plans finally went into full effect. To honor the exploration success of the Spanish-born Vasco Nuñez de Balboa, Balboa Park took its official name in 1915. With the commemoration of the opening of the Panama Canal and the Panama-California Exposition from 1915 to 1916, Balboa Park became the focal point of San Diego.

**Gaslamp Quarter**. As the West Coast's premier entertainment district, guests can immerse themselves in the rich Victorian architecture and history, visit the many galleries, dine with world-renowned chefs, and dance the night away at nightlife venues. Tucked tightly into 16 ½ blocks, the Gaslamp Quarter is a walkable urban playground located in Downtown San Diego. Trolley tours are available during the day and at night.

**USS Midway Museum**. Experience life at sea aboard one of America's longest-serving aircraft carriers. Visitors to the USS Midway Museum enter a floating city at sea and walk in the footsteps of 225,000 Midway sailors who served our country. Guests can spend the day exploring more than 60 exhibits with a collection of 29 restored aircraft. The self-guided audio tour, narrated by Midway sailors, brings the carrier's history to life. Those who dare can "take to the sky" aboard one of two flight simulators.

*The USS Midway sits alongside Navy Pier in San Diego Bay.  
Photo Courtesy of SanDiego.org*



*The Old Town Trolley's route takes it through San Diego's quaint Little Italy neighborhood.  
Photo Courtesy of SanDiego.org*

# TMS 2017 Annual Meeting Registration Form

## Registration and Name Tag Information

Last Name \_\_\_\_\_ First/Middle Name \_\_\_\_\_ Badge Name \_\_\_\_\_  
 Guest Name(s) \_\_\_\_\_  
 Company \_\_\_\_\_ Address \_\_\_\_\_  
 City/State/Country/Zip Code \_\_\_\_\_ Phone/Fax Number \_\_\_\_\_  
 Email (required) \_\_\_\_\_ AIA Number (for AIA CES credits) \_\_\_\_\_

## Events You Will Attend

A variety of educational and social events are planned for your education and enjoyment. Full Annual Meeting registration fees cover the General Sessions, the TMS Member / Guest Reception, the Awards Luncheon, Committee Meetings, and the TMS 402 Lunch, along with the refreshment breaks between sessions.

	<u>TMS Members</u>	<u>Non-Members</u>	<u>Students<sup>†</sup></u>	<u>Registration Fee</u>
	Early* (Late)	Early* (Late)	Early* (Late)	
<input type="checkbox"/> Full Meeting	\$345 (\$390)	\$460 (\$520)	\$230 (\$260)	\$ _____
<input type="checkbox"/> TMS 402/602 Only (Multiple Days)	\$240 (\$270)	\$320 (\$360)	\$160 (\$180)	\$ _____
<input type="checkbox"/> One Day**	\$180 (\$210)	\$240 (\$280)	\$120 (\$140)	\$ _____

Please specify which additional events you plan on attending:

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Arrival Day Event             | <input type="checkbox"/> "Masonry Giant" Research Session | <b>Sunday Morning Activities</b>                            |
| <input type="checkbox"/> Town Hall Meeting             | <input type="checkbox"/> TMS 402/602 Pizza & Beer Party   | <input type="checkbox"/> Walking Tour of La Jolla           |
| <input type="checkbox"/> "Younger" Member Get Together | <input type="checkbox"/> TMS 402/602 Working Lunch        | <input type="checkbox"/> Torrey Pines State Natural Reserve |
- TMS Member/Guest Reception, Number of guests attending \_\_\_\_\_, Guest Name(s) \_\_\_\_\_
- TMS Awards Luncheon (Free to Registered Attendees) **Choose one:**  Tuscan Steak  Seabass Wilson  Vegetable Feast  
 Additional Luncheon Guest Tickets, **\$55 each** (Specify number of additional guest meals below)  
 Tuscan Steak \_\_\_\_\_ Seabass Wilson \_\_\_\_\_ Vegetable Feast \_\_\_\_\_ **Subtotal: \$ \_\_\_\_\_**  
 Guest Name(s) (if different than listed above) \_\_\_\_\_
- San Diego Bay Full Moon Dinner Cruise, **\$85 each** (Specify number of tickets/meals below, detailed descriptions shown on page 5)  
 Braised Beef Short Rib \_\_\_\_\_ Maple Brined, Pan Seared Chicken Breast \_\_\_\_\_  
 Roasted Atlantic Salmon with Chipotle Glaze \_\_\_\_\_ Baked Vegetable Timpano \_\_\_\_\_ **Subtotal: \$ \_\_\_\_\_**  
 Guest Name(s) (if different than listed above) \_\_\_\_\_

**Meeting Mentorship:**  I would like to be a Mentor at the Annual Meeting  I would like to be mentored at the Annual Meeting

Optional Donation/Sponsorship of the Meeting (Supporters will be recognized on posters at the Meeting and in the Awards Luncheon brochure) \$ \_\_\_\_\_

**Dietary Requirements/Requests** (TMS will try to accommodate special requests as much as possible)

\_\_\_\_\_

## Total Registration & Event Fees

\$ \_\_\_\_\_

## Payment

Credit Card (Visa / MasterCard / American Express / Discover)

Check Enclosed (Payable to The Masonry Society in USD) Check # \_\_\_\_\_

Invoice (TMS Members only)

Credit Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name on Credit Card \_\_\_\_\_ Security Code \_\_\_\_\_

Billing Address (if different than above) \_\_\_\_\_

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**Cancellation Policy:** Cancellation requests must be submitted by calling the TMS office at 303-939-9700 or via e-mail to [tmsmeetings@masonrysociety.org](mailto:tmsmeetings@masonrysociety.org). Cancellation requests will be accepted without penalty up to 10 business days prior to the event. Cancellation requests received between 3 and 10 business days prior to the event will be refunded in full less a \$75 administrative fee AND no publications will be sent. No refunds will be given for cancellations received 3 days prior to the event or for "no shows". Publications and handouts will be sent upon request. TMS retains the right to cancel any and all events up to, but not later, than two weeks prior to the event. Events may be cancelled for any reason, including, but not limited to, inadequate registration, damage or destruction of the meeting local, or illness of speakers. In the event an event is cancelled, registration fees will be returned to all those registered for that event.

**Photography Permission:** TMS may take photographs and video during the TMS Annual Meeting and reproduce them in TMS educational, news, or promotional material-whether in print, electronic, or other media-including the TMS website. If you do not want your photo to appear in any of the aforementioned media, please notify TMS when registering.

\*Early rates are available through **October 10, 2017**

\*\*One Day registration is provided for those who can only attend a single day

†Student registration fees are available to full time students who submit an approved class list to TMS for the fall semester/quarter and to Graduate Students who submit a letter confirming their status by their Supervising Professor.

## Preliminary Schedule of TMS Meetings and Events

Click here to see the Annual Meeting webpage with the latest meeting schedule.

**TMS 2017 Annual Meeting\***  
**PRELIMINARY SCHEDULE**  
 La Jolla, CA  
 As of August 9, 2017

\* Refreshment breaks, lunches, and dinners are provided to registered attendees when shown on the schedule below.  
 \* Separate Registration Fees Apply

**Thursday, November 2, 2017**

Time	Event
6-8 pm	Arrival Day Event Shooters Bar & Grill

**Friday, November 3, 2017 – TMS Business Meetings**

Time	Village Ballroom	San Clemente/Tecolote Room
7:30 – 8 am	Continental Breakfast	
8 – 9:30 am	Technical Activities Committee	Meetings Committee
9:30 – 11:00 am	Construction Practices Committee	Membership & Outreach Committee
11 am – 12:30 pm	BIMM	
12:30 – 1:00 pm	Existing Masonry Committee	
1:00 – 2:30 pm	NAMC Steering Committee	Administrative Committee Team
2:30 – 4 pm	Research Committee	Sustainability Committee
4 – 5 pm	DPC Dry-Stack Subcommittee	DPC Direct Design Subcommittee
5 – 6 pm	Design Practices Committee	
6 – 7:00 pm	Town Hall Meeting	
7:00 – 9 pm	TMS Member/Guest Reception – Coast Ballroom	
9:00 – 10:00 pm	“Younger” Member Get Together - Shooters Bar & Grill Individual Costs Borne by Attendee	

**Saturday, November 4, 2017 – TMS Annual Meeting**

Time	Village Ballroom
8:00 – 8:30 am	TMS Annual Meeting Registration and Continental Breakfast
8:30 – 9:50 am	TMS General Session 1
9:50 – 10:15 am	Break
10:15 – 11:45 am	TMS General Session 2
11:45 am – 1:30 pm	TMS Awards Luncheon – Coast Ballroom
1:30 – 2:50 pm	TMS General Session 3
2:50 – 3:15 pm	Break
3:15 – 5:00 pm	TMS General Session 4
5:00 – 6:00 pm	
6:00 – 10:30 pm	San Diego Bay Full Moon Dinner Cruise – Meet in Hotel Lobby at 6:00PM*

\* Separate Registration Fee.

**Sunday, November 5, 2017 – TMS Annual Meeting Seminars and TMS 402/602 Meetings**

Time	Torrey Pines Nature Reserve – Meet in Hotel Lobby. Individual Costs Borne by Attendee	La Jolla Walking Tour - Meet in Hotel Lobby. Individual Costs Borne by Attendee
8:30 – 11:30		
Noon – 6 pm	Registration	
	Village Ballroom	Executive Room
Noon – 1:30 pm	Technical Activities Committee	TMS Research “Masonry Giant” Session
1:30 – 3 pm	Executive Committee	TMS Research “Masonry Giant” Session
3 – 6 pm	TMS Board of Directors	
6 – 6:30 pm	TMS 402/602 Executive Committee	
6:30 – 7:30 PM	TMS 402/TMS 602 – All Members TMS 402/602 Pizza & Beer Party immediately following Main Committee <b>Coast Ballroom</b>	

**Monday, November 6, 2017 – TMS 402/602 Meetings**

Time	Executive Room	San Clemente/Tecolote Room	Torrey/University Room
7:30 – 7:45am	TMS Registration		
8:00 – 9:45 am	Continental Breakfast		Design Subcommittee
	General Requirements Subcommittee		
9:45 – 10:00 am	Break		
10:00 – 11:45 am	NAMC Steering Committee Closed Meeting	Construction Requirements Subcommittee	Design Subcommittee
11:45 am – 12:45 pm	TMS 402/602 Buffet Lunch <b>Coast Ballroom</b>		
12:45 – 2:30 pm	Structural Members Subcommittee	Veneer & Glass Block Subcommittee	Seismic/Limit Design Subcommittee
2:30 – 2:45 pm	Break		
2:45 – 4:30 pm	Reinforcement and Connectors Subcommittee		Prestressed Masonry Subcommittee
4:30 – 5:30 pm	Partition/Infill Subcommittee	Form and Style Subcommittee	Empirical Subcommittee

**Tuesday, November 7, 2017 – TMS 402/602 Meetings**

Time	Village Ballroom
7:30 – 8 am	Continental Breakfast
8 am – 10:00am	TMS 402/602 Main Committee

\* Separate Registration Fee.

### Certificates of Attendance and Continuing Education

Certificates of Attendance for continuing education units are available for interested attendees of the General Sessions on November 4, 2017.

TMS is accepting sponsorships and exhibitor requests for the meetings. This is an excellent and affordable way to promote your organization while supporting the Society.

To become a sponsor of these meetings, call us at (303) 939-9700, email [tmsmeetings@masonrysociety.org](mailto:tmsmeetings@masonrysociety.org), or visit our website using the link below.

[masonrysociety.org/product/tms-meeting-sponsorship-opportunities/](http://masonrysociety.org/product/tms-meeting-sponsorship-opportunities/)

### Annual Meeting Sponsors

Through July 31, 2017 the following organizations have committed to sponsoring the meetings:

#### SPONSORS

