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## LEARN MORE ABOUT THE BENEFITS OF SEI MEMBERSHIP

SEI members receive discounts on [conferences](#), [publications](#), [insurance](#), and [continuing education](#). Members receive this newsletter, Structure Magazine, and Modern Steel Construction.

SEI's network of local [SEI Chapters](#), [Graduate Student Chapters](#), and [Structural Technical Groups](#) can help you advance your career.

[SEI committees](#) (technical, standards, business, and more) give you the opportunity to take part in cutting edge research, advanced standards, and professional topics.

[The SEI Fellows](#) program helps you receive the professional recognition you have earned.

The [Structural Engineering Licensure Coalition](#) (SELC) is making the argument for licensure, to improve the profession.

[Students](#) and [Young Professionals](#) have special opportunities to build their careers.

ASCE offers you [5 free on-demand webinar PDHs](#) to help you maintain your licensure.

## SEI PRESIDENT SPEAKS AT NAE AAES CONVOCATION

SEI President David J. Odeh, P.E., S.E., SECB, F.SEI, F.ASCE, spoke at the 2016 National Academy of Engineering (NAE) -American Association of Engineering Societies (AAES) Convocation of the Professional Engineering Societies. Mr. Odeh was a panelist for "The Revolution in Modeling and Simulation for Engineering" session and made a presentation on Virtual Design and Construction - New Tools to Manage Risk and Improve Outcomes for Building Projects.

[For complete details see the SEI news webpage.](#)

## FROM THE DIRECTOR



SEI volunteers will be busy this summer finishing up task reports for important SEI Board of Governors' initiatives. The BoG-level committee reports on Digital Presence, Global Policy, and Performance Based Design for Buildings and Bridges will all be ready for the BoG meeting in the fall.

The SEI Codes and Standards Activity Division (CSAD) is completing the submittal of final public comments for the ICC hearings and will be reaching out to membership to support the adoption of ASCE 7-16 into the I Codes.

Save the Date for Structures Congress 2017, Denver, CO - April 6-8, 2017. The National Technical Program Committee (NTPC) is meeting to finalize the technical program. More information about keynote speakers and pre-congress workshops will be available soon on [the Congress website](#).

This summer as you travel, share with your family and friends all the great buildings and bridges you encounter.

Amusement parks, hotels, and travel infrastructure would be impossible without the contributions of structural engineers.

Best,

[Laura E. Champion](#), P.E., M.ASCE

Director, [Structural Engineering Institute](#)

703-295-6426



## YOUNG PROFESSIONAL SUPPORTS SEI AND FUTURES FUND

[Silky Wong, S.E., P.E.](#) has personally benefited from SEI/ASCE programs and believes it is her role to volunteer and give back early in her career.

"I am proud to be an SEI/ASCE Young Professional, and I love sharing my experience and learning with engineering students at chapter events a few times a year."

She believes in supporting the [SEI Futures Fund](#) with her time and generous gifts, and wants to help create a sustainable "model" for mentoring future generations of structural engineers.

[Learn more and give today.](#)



## GLISTENING GALLERY By Hamish Nevile



The Len Lye Gallery in New Plymouth, New Zealand, sits alongside the long-established Govett-Brewster Gallery, formerly the city's cinema. The Govett-Brewster is a provocative interactive gallery, featuring ground-breaking exhibitions and multisensory installations showcasing national and international artists. In work carried out in parallel with the design and construction of the new Len Lye Gallery, the Govett-Brewster was strengthened to improve its seismic performance. The buildings are seismically independent and aren't connected from a structural point of view, but they interact through bridges and pathways that carry people between the galleries, creating the sense of momentum and journey the exhibits inspire.

[For more exclusive on-line content visit the CE website.](#)

## SEI/ASCE NEWS

### GROW YOUR LEADERSHIP SKILLS AT THE EMERGING LEADERS ALLIANCE CONFERENCE

**November 9-12, 2016**

**Westin Tysons Corner  
Falls Church, Virginia**

[Apply to represent ASCE](#)

At the Emerging Leaders Alliance conference you will develop leadership skills in social styles, leading innovation, global and virtual team leadership, and more. This program allows you to network with engineers and scientists from other disciplines and earn PDHs. Eight ASCE members will be selected to attend on behalf of ASCE. There is no registration fee to attend if selected by ASCE; however, travel expenses and arrangements are the responsibility of the participant. Registration and sponsorships are also available for purchase.

Questions? Contact [professional@asce.org](mailto:professional@asce.org) or 800-548-2723, ext. 6469. [Complete the online application form](#)

[no later than July 1, 2016.](#)

## AWARDS SPOTLIGHT - ROCKING FRAME PAPER RECEIVES MOISSEIFF AWARD



SEI is proud to announce that Matthew R. Eatherton, Ph.D., S.E., P.E., M.ASCE; Xiang Ma, Ph.D., A.M.ASCE; Helmut Krawinkler, Ph.D., M.ASCE; Gregory G. Deierlein, Ph.D., F.ASCE; and Jerome F. Hajjar, Ph.D., P.E., F.SEI, F.ASCE, were given the Moisseiff Award for the paper “*Quasi-Static Cyclic Behavior of Controlled Rocking Steel Frames*,” published in the November 2014 issue Journal of Structural Engineering. The award winning paper describes testing and analysis of a new controlled rocking system, a seismic lateral force resisting system for steel-framed buildings. [Access to this paper in the ASCE Library will be free for one year, learn more on the SEI News webpage.](#)

## ASCE WEEK LAS VEGAS

### Earn up to 34 PDHs in one week

Don't miss ASCE Week, September 26 - 30, 2016, at the Green Valley Ranch Resort Spa & Casino in Henderson, Nevada. ASCE Week offers ASCE's most popular face-to-face seminars in one location. Structural seminars include Structural-Condition Assessment of Existing Structures, Seismic Analysis of Structures and Equipment, and Structural Engineering of a 4-Story, Combined Material Building Using the 2015 International Building Code. In addition, there will be a special tour of Hoover Dam, Mike O'Callaghan-Pat Tillman Memorial Bridge, and Lake Mead. [Register by September 2 for special discounts.](#)

## DAN FRANGOPOL RECEIVES MULTIPLE INTERNATIONAL HONORS



Dan M. Frangopol, Ph.D., P.E., F.SEI, F.EMI, Dist.M.ASCE – was elected as a foreign member of the Academia Europaea. He was one of only four foreign members elected in the Physics and Engineering Science section. Dr. Frangopol is a long-time SEI leader and is currently the chair of the Technical Council on Life-Cycle Performance. Earlier this year he received an honorary doctorate (Laurea Magistrale ad Honorem) from the Politecnico di Milano. This was the fourth honorary doctorate Frangopol has received in his career. [Learn more on the Lehigh University website.](#)

## P.E. AND S.E. LIVE EXAM REVIEWS

Register now for P.E./S.E. Review courses beginning August 2016. Taking the P.E. Civil, S.E., or Environmental Exam this fall? ASCE's Exam review courses take the guesswork out of your study plan, and prepare you for exam day. Qualified experts deliver interactive courses that will build your confidence for exam day. You will receive access to recorded webinars and reference material. Group rates are available for 2 or more engineers preparing in the same location. [Register today.](#)

## MAKE YOUR VOICE HEARD: 2017 PUBLIC POLICY SURVEY

We want your input. Every year ASCE surveys its members about public policy issues impacting the civil engineering profession. The Public Policy Committee and Government Relations staff use the results to identify [top federal and state priorities](#). The Board of Direction approves the final list. Don't miss out on the opportunity to weigh in on the top public policy issues for next year. [Please take the survey today.](#)

## ELITE SUSTAINING ORGANIZATION MEMBERS



Join SEI as a Sustaining Organization Member to reach more than 25,000 SEI members year-round, and show your support for the mission and objectives of SEI, to advance and serve the structural engineering profession.

[Learn more about SEI Sustaining Organization Membership and join today.](#)

## UPCOMING WEBINARS

**July 20, 2016**

[Snow and Rain Loads in ASCE 7-16: What's New and Different](#)

Michael O'Rourke

**August 1, 2016**

[Designing for Flood Loads Using ASCE 7 and ASCE 24](#)

William L. Coulbourne

**August 5, 2016**

[Disaster Resilience for Sustainable Design](#)

Erica Fischer

Panagiotis (Peter) Koklanos

Tona Rodriguez-Nikl

**August 8, 2016**

[Seismic Assessment and Design of Water and Sewer Pipelines](#)

Donald Ballantyne

[See other structural engineering courses](#) on the ASCE Continuing Education website.

## PUBLICATIONS

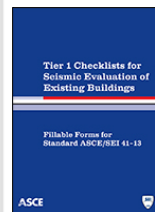


[ASCE 7-10 Minimum Design Loads for Buildings and Other Structures](#)

### Recent Structural Publications from ASCE



[Moore, Oklahoma, Tornado of 2013: Performance of Schools and Critical Facilities](#)



[Tier 1 Checklists for Seismic Evaluation of Existing Buildings](#)

## COMMITTEE NEWS

### PERFORMANCE OF WOOD STRUCTURES

The Performance of Wood Structures committee has proposed a special project to investigate wood building construction quality issues. Project funding is pending. If accepted, the special project will review the how specifications, fabrication tolerances, wood treatments and standard details can improve the quality of wood structures. Possible methods of quality control and quality assurance will be considered and recommended. The committee has a number of openings for new members who are familiar with the field and interested in contributing to this special project. Those interested are encouraged to [contact William Kirkham](#), chairman-elect of the Committee and submit an [on-line application to join the committee](#).

### NEW REPORT ON COLD-FORMED STEEL CONNECTIONS

The SEI Cold-Formed Members Committee has started a new special project to develop a technical report on "Best Current Practices for Connections of Cold-formed Steel Structures to Other Materials." Currently information on connections of cold-formed steel members to other materials is at best fragmented and not readily accessible to most practicing engineers. The goal of this report is to consolidate engineering methods and provide applications and design examples for connections of cold-formed steel to both non-metallic and metallic materials, specifically concrete, brick, CMU, wood, as well as aluminum and stainless steel with references to sources of additional information. To participate in the development of this report or to join the Cold-Formed Members Committee, [fill out the on-line application](#).

## FLOOD RESISTANT DESIGN STANDARD COMMITTEE CALL FOR NEW MEMBERS

The [third edition of ASCE/SEI 24](#) was published in November 2014. The Committee is being re-established for the next cycle and is seeking members. ASCE/SEI 24-14 was adopted by reference in the 2015 I-codes, and the next edition of the Standard is being planned for inclusion in the 2021 I-Codes. Please consider submitting an application for membership, [via the on-line application](#). If you have any questions, [contact the Chair, Christopher P. Jones, P.E.](#)

## SEI LOCAL ACTIVITIES

### New SEI Graduate Student Chapters

SEI welcomes two new SEI Graduate Student Chapters; Georgia Tech, chaired by [Sujith Mangalathu](#), and at the University of Wyoming, chaired by [Bryce Fiore](#).

### Oregon Chapter

The SEI Oregon Chapter recently held a joint meeting with SEAO on the subject of seismic preparedness. The presentations by Chris Goldfinger, Amit Kumar, Carmen Merlo, and Steve Drohota, were well received by the 80 participants. [Learn more on the SEI news webpage.](#)

### West Coast Florida Chapter

The SEI West Coast Florida Chapter has presented a variety of events for its members. These include recent presentations about the Longboat Bascule Bridge and a panel discussion on the New St. Pete Pier. [Learn more about these and other chapter activities on the SEI news webpage.](#)

### Houston Chapter

Upcoming Fall Technical Luncheons :

Tuesday, September 13th: *Ultra-Performance Concrete (UHPC) in Bridge Structures*

Gregory Nault, P.E., S.E., Project Manager – Ductal Bridge Engineering, Lafarge Holcim

Tuesday, October 11th: *Giving a Legal Deposition – An Engineer's Perspective*

Narendra Gosain, Ph.D., P.E., Senior Consultant, Diagnostics Group, Walter P. Moore

Tuesday, November 8th: *Enhanced Building Resilience Required for Community Continuity*

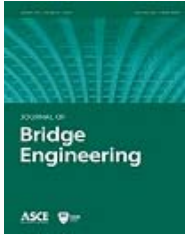
Stephen S. Szoke, P.E., F.ACI, F.SEI, F.ASCE, LEED/AP, CSI-CDT, Senior Director, Codes and Standards  
Portland Cement Association

### Get Involved in Local SEI Activities

Join your [local SEI Chapter, Graduate Student Chapter \(GSC\), or Structural Technical Groups](#) (STG) to connect with colleagues, take advantage of local opportunities for lifelong learning, and advance structural engineering in your area. If there is not an SEI Chapter, GSC, or STG in your area, [review the simple steps to form an SEI Chapter.](#)

Local SEI Chapters and Structural Technical Groups of the ASCE Sections/Branches serve local member structural technical and professional needs through a variety of innovative programs. SEI Graduate Student Chapters broaden students' horizons as structural engineering professionals, and prepare them for a successful transition from college to career. SEI supports local SEI Chapters with opportunities for local Chairs to learn about new initiatives and best practices with other local SEI professional Chapter and Grad Student Chapter leaders (quarterly conference call and annual funded SEI Local Leader Conference including technical tour and training). Those local structural groups that affiliate with SEI and establish local Chapters receive SEI Chapter logo/branding, complimentary webinar and banner, and more.

## JOURNALS



[Journal of Bridge Engineering](#)



[Journal of Structural Engineering](#)



[Practice Periodical on Structural Design and Construction](#)

## CURRENT ERRATA

[ASCE 7-98](#)

[ASCE 7-02](#)

[ASCE 7-05](#)

[ASCE 7-10](#)

[Supplement 2 for ASCE 7-10](#)

[ASCE/SEI/SFPE 29-99](#)

[ASCE/SEI 31-03](#)

[Guide to the Use of Wind Load Provisions of ASCE 7-98](#)

[ASCE 41-06](#)

[ASCE 48-05](#)

[ASCE 52-10](#)

## JOIN AN SEI COMMITTEE

Participation on a SEI committee can help advance your career and the profession of Structural Engineering.

[Learn more at the SEI Website.](#)

[Board Level Committees](#)

[Business and Professional Division](#)

[Codes and Standards Division](#)

[Local Activities Division](#)

[Technical Activities Division](#)

Committees create technical sessions and publications, serve local members, promote issues unique to structural engineering, and develop standards.

## OF NOTE

### LEARN HOW TO LIMIT CLAIMS AGAINST YOUR FIRM

#### CASE Seminar

August 4 - 5, 2016

Chicago, Illinois

The Council of American Structural Engineers (CASE) has developed a 1-1/2 day risk management seminar to help firms limit the chance of being sued and to allow them to take on more high-risk—and high-reward—projects. Managing Risk for High Stakes Success will feature five sessions that will help firms reduce their rates of claims against structural engineering projects:

- World Trade Center: Then & Now
- Professional Negligence
- How to Succeed without Risking It All
- Secrets to Communicating Technical Topics to Non-Technical Audiences
- New Risk Management

Speakers include Ahmad Rahimian, WSP | Parsons Brinckerhoff; Brian Stewart, Collins, Collins, Muir & Stewart; Karen Erger, Lockton Companies; Eric Singer, Ice Miller; and Shelley Row, Shelley Row Associates.

[For more information and to register, visit the ACEC website.](#)

### SEI MEMBER WRITES BOOK ABOUT PITTSBURGH BRIDGES

Linda Kaplan, chair of SEI's Young Professional Committee, recently completed the book "Bridges...Pittsburgh at the Point...A Journey Through History." Co-written with Thomas Leech, the book is a truly distinctive and valuable coverage of this topic. It explains when and where bridges were built, who built them, how they work, the historical context of the time they were constructed, and how these bridges helped to transform Pittsburgh and the region. [Learn more on the publishers website.](#)

## ASCE 2016 CONVENTION EARLY BIRD REGISTRATION ENDS JULY 28

Take advantage of the best registration rates now. [Preliminary Program now available.](#) Join civil engineers from across ASCE to celebrate the best the profession can offer. The ASCE 2016 Convention, September 28 - October 1, in Portland, Oregon, will include short courses, technical tours, awards presentations, and the Distinguished Lecture Series. [Visit the Convention website for more information and to register.](#)

### UPCOMING CONFERENCES AND WORKSHOPS

[IABMAS 2016: The Eighth International Conference on Bridge Maintenance, Safety and Management](#)  
Foz do Iguzcu, Brazil  
June 26 - 30, 2016

[16th U.S. - Japan - New Zealand Workshop on the Improvement of Structural Engineering and Resiliency](#)  
Nara, Japan  
June 27 - 29, 2016

[ICSA 2016 - 3rd International Conference on Structures and Architecture](#)  
Guimaraes, Portugal  
July 27 - 29, 2016

[Unconventional Resources Technology Conference](#)  
San Antonio, Texas  
August 1 - 3, 2016

[NDE/NDT for Highways and Bridges: Structural Materials Technology](#)  
Portland, Oregon  
August 29 - 31, 2016

[CECAR7 - Civil Engineering Conference in the Asian Region](#)  
Waikiki, Hawaii  
August 30 - September 2, 2016

[1st International Workshop on Disaster Resilience](#)  
Torino, Italy  
September 20 - 22, 2016

[IALCCE 2016: The Fifth International Symposium on Life-cycle Civil Engineering](#)  
Delft, The Netherlands  
October 16 - 19, 2016

10th Nuclear Plants Current Issues Symposium  
Charlotte, North Carolina  
December 11 - 14, 2016

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