

National Council of Structural Engineers Associations

Report to Member Organizations



What's Inside

- NCSEA Background, Mission, Vision
- NCSEA Membership and Primary Functions
- NCSEA Board and Staff
- Partnering Organizations
- NCSEA Member Benefits and Useful Resources
- Working Together
- NCSEA Committees
- Structural Licensure
- Winter Leadership Forum
- NCSEA Annual Conference
- Excellence in Structural Engineering Awards
- Other Awards

Background

Organized in 1993

A council of state and regional Structural Engineers Associations

Created to focus on the needs and concerns of practicing structural engineers

- Promotes communication between states
- Provides a national voice for Structural Engineers
- Provides direct access, through local SEA's

NCSEA's Vision and Mission

Vision

The National Council of Structural Engineers Associations will be recognized as the leading advocate for the practice of structural engineering.

Mission

NCSEA advances the practice of structural engineering by representing and strengthening its Member Organizations.

Membership

NCSEA Member Organizations are Structural Engineering Associations.

There are currently 44 Member Organizations representing over 10,000 practicing structural engineers.

Wyoming (SEAWY) was added as the 44th Member Organization in 2013.

Other Types of Membership

Associate Membership

Nationally recognized bodies that are associated with the practice of structural engineering.

Affiliate Membership

Companies who provide supplies or services to structural engineers, including vendors of structural engineering applications software, insurance and structural products used for construction.

Sustaining Membership

Structural engineering firms, firms that employ structural engineers, or individual professional engineers practicing structural engineering.

Primary Functions of NCSEA

Address broad national issues

- Structural Licensure
- Structural Engineering Emergency Response
- Building Codes
- Education
- Sharing information between SE Associations
- Structure magazine
- Advocacy for our profession
- Publications

Primary Functions of NCSEA

Foster communication among SE Associations

Each Member Organization names one individual as its delegate and one individual as an alternate delegate to represent it at the NCSEA meeting. Delegates are authorized to speak and vote on the members' behalf at NCSEA meetings and on official ballots.

Delegates are the primary conduit between NCSEA and the Member Organizations. It is important that delegates attend their own SEA Board meetings, in order to maintain communication between the organizations.

NCSEA Board of Directors

Current NCSEA Board of Directors

- President – Barry Arnold (UT)
- Vice-President – Brian Dekker (IL)
- Treasurer – Tom Grogan (FL)
- Secretary – Bill Warren (CA)
- Directors
 - Chris Cerino (NY)
 - Ed Quesenberry (OR)
 - Susie Jorgensen (CO)
 - Chad O’Donnell (WI)
- Past-President – Carrie Johnson (OK)

NCSEA Staff

- Executive Director – Jeanne Vogelzang
- Associate Executive Director – Susan Cross
- Education Director – Jan Diepstra
- Meeting / Marketing Director – Melissa Matarrese
- Administrative Manager – Joyce VanWieren
- Administrative Assistant – Dana Long
- Contract Accountant – Dawn Debias

Partnering Organizations

Three National Organizations representing structural engineers

NCSEA – National Council of Structural Engineers Associations

CASE – Council of American Structural Engineers (ACEC)

SEI – Structural Engineering Institute (ASCE)

NCSEA is the only autonomous national structural engineering organization. Cost to join NCSEA? Just \$20, paid through SEA dues



Partnering Organizations

Council of American Structural Engineers (CASE) of ACEC

- Focus is on business practices
- Membership: Structural Engineering Firms

Structural Engineering Institute (SEI) of ASCE

- Focus is primarily on codes, standards, and technical journals
- Membership: Individuals

National Council of Structural Engineers Associations (NCSEA)

- Focus is on providing resources for practicing engineers
- Membership: Structural Engineering Associations

Partnering agreements allow each organization to concentrate on the areas where they can best serve the profession

Member Benefits

Structure Magazine

- Owned by NCSEA Media
- Published in cooperation with CASE and SEI
- Distributed to all SEA members
- Executive Editor is NCSEA Executive Director
- Published 12 times / year
- Distribution is over 32,000
- Electronic version, currently distributed to all subscribers, will become a “members only” benefit when AMS system is implemented

Member Benefits

Other NCSEA Member Benefits Include

- Discounts on Webinars
- Discounts on NCSEA Publications
- Discounts on Selected ICC Publications
- Discounts on Selected Standards Distributed through ICC
- Group Discounts for SE Review Course



Useful Resources

Useful Resources

Delegate Handbook

- Delegate Responsibilities
- Comprehensive information about NCSEA organization, leadership, committees, and MO's
- Guidelines for establishing MO Chapters and Student Chapters
- Start-Up Guide for Young Member Groups
- Updated and expanded annually

Structural Engineers Emergency Response Plan Manual

- Uniform framework for emergency response
- Guide for implementing a local SEER program

Useful Resources

Structural Engineering Licensure

- [Current Listing of States and SE Licensing Laws](#)
- [Links to Various State Laws](#)
- [Links to Articles about SE Licensure](#)

Advocacy

- [Guidelines for Creating Good Media Relationships and Writing a Press Release](#)
- [White Papers on When Live Load Reduction is Permissible, When a Geotechnical Report is Required, and Code Requirements on Modifying Existing Buildings](#)
- [Brochures on What SE's Do](#)

Useful Resources

Students and Teachers

- Posters on Structural Engineering
- Video – What is a Structural Engineer
- Video – A Day in the Life of an SE

Career Center

- Full-Service Job Board Specifically for Structural Engineers
- Includes Career Tips, Coaching, and Professional Resume Writing

Working Together

One of NCSEA's main goals is to foster communication between Member Organizations. How can your MO help?

- Align your committees with NCSEA's committees and submit to NCSEA the contact names and email addresses of your similar committees, for sharing information and for posting on the NCSEA website
- Share resources like white papers, presentations, etc.
- Register trained emergency responders in the SEER database
- Share dates for upcoming events your MO is hosting
- Share descriptions of outstanding presentations your MO has hosted
- Submit articles for STRUCTURE magazine



Committees

NCSEA Committees

- Advocacy
- Basic Education
- Code Advisory
- Continuing Education
- Membership
- Publications
- Structural Engineering Emergency Response
- Structural Licensure
- Young Member Group Support

NCSEA Committees

Code Advisory Committee

- Serves to work with Model Code and Standards Issues and Activities, such as generating and responding to code changes, preparation and codification of resource documents, trial design studies, and practical application guidelines
- Consists of six subcommittees
 - Evaluation Service Advisory Committee
 - Existing Buildings / Structural Retrofit
 - General Engineering
 - Seismic Provisions
 - Special Inspection/Quality Assurance
 - Wind Engineering

NCSEA Committees

Continuing Education Committee

- Develops and presents high quality continuing education programs for structural engineers
- Includes the following
 - Webinars (typically twice per month)
 - SE Exam Review Course (webinar based)
 - Diamond Review Program
 - Winter Leadership Forum
 - Structural Engineer Emergency Response webinars
 - Sharing of programs among member organizations

NCSEA Committees

Structural Engineering Emergency Response Committee

- Investigates opportunities and establishes a framework for structural engineers to become more widely and nationally organized to assist local jurisdictions with post disaster assessment and recovery
- Presents webinars twice a year on the California Office of Emergency Services (CalOES) Safety Assessment Program (SAP), which is one of only two post-disaster assessment programs that will be compliant with the requirements of the forthcoming Federal Resource Typing Standards for engineer emergency responders. SAP Evaluator certifications and credentials may be obtained from taking this program.

NCSEA Committees

Young Member Support Group

- Facilitates the formation, growth and success of the NCSEA Member Organization's Young Member groups through collaboration, support and outreach in an effort to transition students and young engineers into successful professional engineers and future leaders of the Structural Engineering Profession

NCSEA Committees

Structural Licensure

- Works with Member Organizations to influence states to adopt consistent licensing laws and rules in the interest of public safety, especially relating to licensure of structural engineers

NCSEA Position on Structural Licensure

- At the 1999 Annual Conference in Seattle, the delegates passed a resolution formally supporting licensure for structural engineers.
- At the 2011 Annual Conference in Oklahoma City, the delegates unanimously adopted a formal Policy of the NCSEA on Structural Engineering Licensure.

Structural Licensure

NCSEA Position on Structural Licensure

The National Council of Structural Engineers Associations (NCSEA) supports licensure for structural engineers to protect the safety, health, and welfare of the public due to the potential loss of life and property in improperly designed and constructed structures such as buildings and bridges.

NCSEA encourages all jurisdictions to adopt a Structural Engineering Practice Act that defines the practice of structural engineering and restricts it to those who have demonstrated competence by means of education, experience, and examination.

Structural Licensure

- 10 States License Structural Engineers
 - Full Practice Restriction – HI, IL
 - Partial Practice Restriction – AK*, CA*, NV, OR, UT, NV, WA
 - Title Restriction – ID, NE*
 - Roster Designation – AZ, CT*, LA, MA, NM, OK* RI, TX*, VT
 - No Differentiation – AL, AR, CO, DE, DC, FL*, GA*, IA, KS, KY, ME, MD, MI, MN*, MS, MO, MT, NH, NJ, NY, NC, ND, OH, PA, SC, SD, TN, VA, WV, WI, and WY

* States that have active committees working towards making changes to the licensing of structural engineers and the restriction of the practice of structural engineering

Structural Licensure

SE Licensing Law Issues

- Illinois passed the first SE act in 1915. SEAOL spends over \$12,000 per year lobbying to protect the act.
- FL is currently working with their legislature to pass an SE License bill.
- TX is in the process of hiring a lobbyist to help the process of getting a practice act passed.
- SEI officially supports SE Licensing as a post-PE credential.
- CASE officially supports SE licensing.
- NSPE openly opposes licensure by discipline.
- In 2013, the Structural Engineering Licensure Coalition was officially formed with members from NCSEA, SEI, CASE, and SECB.

Winter Leadership Forum (WLF)

- Started in 2013 as a way to provide a resource for leaders from structural engineering firms of all types, sizes, and locations to engage in thought-provoking sessions, meaningful interaction, and networking.
- The topics selected are ones that provide tools for being a more successful firm.
- The format includes roundtable discussions that really give the attendees a chance to learn from each other.
- The next WLF will meet in Coral Gables, Florida on January 29-30.
- The event for each of the last two years was rated a huge success by the attendees and I hope you will consider attending.

Winter Leadership Forum

2015 Topics include

- AEC Business Development: The Decade Ahead, showcasing findings from the SMPS Foundation research and book of the same name
- Increasing Your Engineering Firm's Value to Your Clients – panel discussion
- Ideas to Get Your Firm Hired and Retain Relationships – Parts 1 and 2
- Organic Growth vs. Growth by Acquisition, featuring brief introductory comments followed by a debate on the topic between Mark Aden from DCI and Bjorn Morisbak from Stantec
- Banking Relationships, featuring Providence Bank Chairman Terry Vanderaa and President Steven VanDrunen
- Case Study: To Purchase or Pass, bringing back John Tawresey, who led last year's highly-acclaimed WLF case study

A full description of the topics can be found on the NCSEA web site.

NCSEA Annual Conference

NCSEA holds an annual conference, recently renamed the Structural Engineering Summit, in late September or October

- Two Days of Technical Sessions
- Committee Meetings
- Business Meeting / Committee Reports
- Installation of New Officers
- Presentation of Awards



Awards

Awards

Excellence In Structural Engineering Awards

- Recognizes structural engineering achievement and innovation
- Projects are judged on innovative design, engineering achievement, and creativity
- The awards have been presented since 1998
- Winning projects are featured in STRUCTURE magazine throughout the year
- SEAO members served as judges in 2014



Questions?