



# Foundation Design & Seismic Part I & II Presented by Tim Mays, Ph.D., P.E.

April 12th (AGC) & April 26th, 2022 (Virtual)

Course hours are approved for all states including FL and NY through the NCSEA




Registration includes bound notes for *Foundation Design & Seismic* (\$44 value)

Seminar special book price: \$69

Attendees are encouraged to purchase *Example Problems in Structural Engineering - Foundations* (\$99 anticipated cover price)

## April 12th Schedule (6 PDHs)

8:00 a.m. — 8:30 a.m.	Registration & Breakfast
8:30 a.m. — 9:30 a.m.	Foundation Examples Part I
9:45 a.m. — 10:45 a.m.	Foundation Examples Part II
11:00 a.m. — 12:00 p.m.	Foundation Examples Part III
12:00 p.m. — 12:45 p.m.	Lunch - <b>Sponsored by Parrot Structural Services</b> 
12:45 p.m. — 1:45 p.m.	Foundation Examples Part IV
2:00 p.m. — 3:00 p.m.	Part I Seismic
3:15 p.m. — 4:15 p.m.	Part II Seismic

## April 26th Schedule: **Virtual, 2 PDHs** (optional, additional registration required)

11:00 AM – 1:00 PM Seismic Part III and IV

**Timothy Wayne Mays, Ph.D., P.E.** is President of SE/ES and a Professor of Civil Engineering at The Citadel in Charleston, SC. Dr. Mays previously served as Executive Director of the Structural Engineers Associations of South Carolina and North Carolina. He currently serves as NCSEA Publications Committee Chairman. He has received three national teaching awards (ASCE, NSPE, and NCSEA) and both national (NSF) and regional (ASEE) awards for outstanding research. He is the recipient of the 2009 NCSEA Service Award. He is a prolific speaker who participates in code development and his areas of expertise are code applications, structural design, seismic design, steel connections, structural dynamics, and civil engineering aspects of anti-terrorism.

Some software programs and design guides, including those developed by the author of this course, have been created for structural engineers as an aid for detailing building foundations. On the other hand, there has been a recognized disconnect between the geotechnical engineer and the structural engineer on many projects and working with a geotechnical engineering report could easily be a course topic of its own. More importantly, there have been significant changes to codes that affect the way foundation systems must now be designed and analyzed. All of this makes a publication full of example problems on practical foundation design that reflects the latest code requirements and a discussion on where things are going extremely valuable.

## Seismic Design of Buildings in the 2020s

New codes and standards have led to many significant changes in seismic design practice and much confusion regarding the implementation of their provisions. This 4-hour seminar includes an overview of many of these changes (such as those included in ASCE 7-22), example problems illustrating their application to buildings, and additional practical discussion regarding best practices, enforcement, and alternate design approaches. New seismic design techniques for single and multi-story buildings will also be discussed and illustrated through well-defined example problems. Existing buildings and new requirements for foundations will also be considered in this course.

# Registration Form

Please print legibly. Companies with multiple attendees, please fill out a form for each person.

Name

Company

Address

City

Zip

Email

Phone

Cell

## Registration received by April 3rd, 2022

- SEA Members      \$200 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Non Members      \$250 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Unlicensed Members      \$150 X \_\_\_\_\_ = \$ \_\_\_\_\_

## Late Registration: April 4th, 2022

- SEA Members      \$250 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Non Members      \$300 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Unlicensed Members      \$200 X \_\_\_\_\_ = \$ \_\_\_\_\_

## **Seminar Book**

Example Problems in Structural Engineering - \$69

## **April 26th Seismic Part III and IV VIRTUAL (2 PDHs)**

Course hours are approved for all states including FL and NY through the NCSEA.

- SEA Members      \$50 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Non Members      \$75 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Unlicensed Members      \$25 X \_\_\_\_\_ = \$ \_\_\_\_\_

List any dietary restrictions: \_\_\_\_\_

## Title Sponsor

Alabama Professional Services



**If paying by check, make checks payable to:**

**SEAoAL**

*Mail check and registration form to:*

**Structural Engineers Association  
of Alabama**

**P.O. Box 660584**

**Birmingham, AL 35266-0584**

**Email registrations to:**

**Rhea@karmamanagementinc.com**

**Rhea Williams**

**Executive Director, SEAoAL**



## SEMINAR LOCATION

AGC Alabama

5000 Grantswood Road Suite 100

Irondale, AL 35210

205-451-1400

[www.alagc.org](http://www.alagc.org)