# ASCE-SEI NEW ORLEANS CHAPTER

Co-sponsored with

**University of New Orleans Civil Engineering Dept. and The Masonry Society**

*Presents*

# Why and How to do Strength Design of Masonry Structures

*Strength design was added to the TMS 402 Building Code for Masonry Structures in 2002. However, most masonry is still designed by the Allowable Stress Design method. Strength design generally results in more efficient designs than with Allowable Stress Design. This talk will review the design assumptions for strength design, and look at the design of beams, bearing walls, and shear walls using strength design. Practical design methods and tips will be provided for each member type, and examples will illustrate the design process. The results of each design will be compared to allowable stress design. This seminar will provide the engineer with the tools necessary to begin using strength design for masonry, and realizing the benefits it can offer.*

**SPEAKERS:** **Richard Bennett, PhD., PE,** Professor of Civil and Environmental Engineering, University of Tennessee, Knoxville, Tennessee

**DATE:** **Thursday, April 5, 2018**

**PLACE:** **Engineering Auditorium, EN 101, Engineering Bldg.**
University of New Orleans (Use parking lot behind Engineering Bldg.)
(For directions go http://www.uno.edu/maps/pdf/maincampusmap.pdf and look for Bldg 13.)

**COST:**

**$40** All registered on or *before* ***2 April, 2018.***
**Free** **Full Time Student with valid ID** & **registered** on or *before* ***2 April, 2018.***
**$10** **Retired Engineers 65 years & older** & **registered** on or *before* ***2 April, 2018.***
**$50** For all registering after ***2 April, 2018*** or **at the door.**

***2.0 PDH*** can be earned by attending this seminar.

**PROGRAM**

5:00 -- 5:30 PM ***Registration*** (Sandwiches & Soft Drinks)

5:30 -- 5:35 PM ***Speaker Introduction***
*Bill Rushing, P.E.,* Vice President, *Waldemar S. Nelson and Engineers, New Orleans, LA,*

5:35—7:35 PM ***Main Presentation***
*Richard Bennett, PhD., PE,* Professor of Civil and Environmental Engineering, University of Tennessee, Knoxville, Tennessee

7:35—7:45 PM **Questions-Answers & Vote of Thanks**
*Kabir Mohammed, P.E.,* Chairman ASCE-SEI New Orleans Chapter, *EDG, Metairie, LA*

***Future Seminars***

*May 3, 2018* ***2018 David Hunter Lecture,*** *Dr. Barney Martin, P.E., Modjeski & Masters, New York*

# ***Registration:***

The pre-registration could be done only by using credit card on web (as described in the email from ASCE) or by mailing the check to:

*SEI New Orleans Chapter, 4608 Reich Street, Metairie, LA 70006*

Please assist us by complying with the pre-registration cutoff date of ***15 January, 2018,***
***All walk-in attendees will be required to pay $50 at door.***

Name _____ email Address _____

Company _____

Address _____

_____

Phone No. (_____) _____ - _____ Fax No. __( ____ ) _____

Category of Pre-registration

Individual: $40 Students (w/ID): Free Over 65 & Retired: $10

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# ***Speaker Bio:***

*Richard Bennett, PhD, PE. is a Professor of Civil and Environmental Engineering at the University of Tennessee. He is a member of the Board of Directors of The Masonry Society and a Fellow of The Masonry Society. Dr. Bennett has been very active on the TMS 402/602 Code Committee. He has chaired the Flexural, Axial Loads, and Shear subcommittee and served as the vice-chair of the 2013 MSJC Committee. Dr. Bennett was the chair of the main committee that is developed the 2016 code, and is currently 2nd vice-chair of the TMS 402/602 Code Committee. He is also a member of ASTM C12 on mortars and grouts and ASTM C15 on manufactured masonry units.*