

# OUT-OF-PLANE DESIGN FOR REINFORCED MASONRY WALLS

## 13th CMS Design Seminar Halifax 2017

This seminar will provide a unique overview of the engineering procedures for the out-of-plane design of masonry walls in combination with MASS™ software. This seminar will include a detailed look at the engineering logic used in the creation of interaction diagrams for masonry walls. Slenderness effects and limits will be discussed with a focus on the application of the moment magnifier method and the determination of service load deflections. Various aspects of the construction of masonry walls and the CSA masonry standards are introduced throughout, creating a holistic view of the masonry design process for out-of-plane walls.



The half day seminar will cover:

- Relevant masonry codes and standards
- Introduction to masonry materials
- Introduction to reinforced masonry design
- Design of reinforced masonry out-of-plane walls with slenderness effects
- Detailed practical design examples of slender reinforced masonry walls



*"The Science Behind the Craft"*

The 13th Canadian Masonry Symposium celebrates 41 years of Canadian and International masonry research cooperation and dissemination. The CMS is Canada's eminent gathering for masonry related technical topics and fields of inquiry that attracts national and international experts on the design, construction, behaviour, and performance of all things masonry.

Presented By:



CANADA  
MASONRY  
DESIGN  
CENTRE

Atlantic  
Masonry  
Institute

## Seminar Details

Enrollment in the seminar includes a complimentary copy of the CSA Masonry Standards A82-06, A165-04, A179-04, A370-04, and A371-04 and a complimentary 12 month trial copy of Masonry Analysis Structural Systems (MASS™) software.



### Date

Tuesday, June 6<sup>th</sup>, 2017 Noon - 4:30pm

### Location

Halifax Marriott Harbourfront Hotel

### COST

\$250+tax—Lunch +Design Seminar

\$450+tax—Day Pass: Includes Breakfast, 13<sup>th</sup> Canadian Masonry Symposium  
Tuesday Morning Technical Sessions, Lunch, Design Seminar, and Awards Banquet

## Seminar Speakers

### Joe Wierzbicki M.A.Sc., P.Eng.

Masonry Design Engineer

Joe is a Masonry Design Engineer at the CMDC. Joe received a Master of Applied Science degree from McMaster University in 2010. Joe has been with the CMDC ever since and in addition to working with various on-going projects, such as the development of MASS™ software, CMDC's Engineered Masonry Design Course, and CSA Standards development, Joe provides technical support to engineers, architects, and masonry contractor members.

### Monica Guzman, M.Sc., P.Eng.

Masonry Design Engineer

Monica studied civil engineering in her home country of Venezuela before coming to Canada and completing her Master of Science Degree in Structures and Solid Mechanics at the University of Calgary. She works at the CMDC Calgary office and her duties involve providing technical assistance to contractors, architects and engineers, supporting CMDC with courses and seminars, participating in the development of the CSA masonry standards, and supporting in the development of the MASS™ design software.

# REGISTRATION INFORMATION

Mr. / Mrs. / Ms. \_\_\_\_\_  
(FIRST NAME) (LAST NAME)

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_

Bus. Tel \_\_\_\_\_ Bus. Fax \_\_\_\_\_

Email \_\_\_\_\_

## SEMINAR FEE

Daily Pass (\$450+tax)

Design Seminar Only (\$250+tax)

Sub-Total \$ \_\_\_\_\_

15% HST \$ \_\_\_\_\_

**Total** \$ \_\_\_\_\_

**SPACE IS LIMITED  
PLEASE REGISTER EARLY**

## PAYMENT OPTIONS

A cheque/money order payable to the Canada Masonry Design Centre is enclosed for \$\_\_\_\_\_.

Please charge \$\_\_\_\_\_ to VISA/MC (all information below must be completed).

VISA/MC # \_\_\_\_\_

Cardholder Name \_\_\_\_\_

Cardholder Signature \_\_\_\_\_

Important: Please note that registration cannot be confirmed until full payment has been received.

## REMITTANCE INFORMATION

**Mail:** Canada Masonry Design Centre  
360 Superior Blvd.  
Mississauga, ON L5T 2N7

**Tel:** 1 888-338-3336

**Fax:** 905-564-5744

**Email:** [cmdc@canadamasonrycentre.com](mailto:cmdc@canadamasonrycentre.com)

**Cancellation Policy:** A full refund of the course fee (minus a \$50.<sup>00</sup> administration fee) is available provided that the Canada Masonry Design Centre receives written notice of cancellation prior to May 26<sup>th</sup>, 2017.