

# 2017 GLASS CONNECTIONS CONFERENCE

JUNE 7-8 BURNABY, BC  
DELTA HOTELS BURNABY CONFERENCE CENTRE



PRESENTED BY CANADIAN GLASS ASSOCIATION

conference centre

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# CHANGE IS INEVITABLE

Did you know that the glass codes in the Canadian General Standards Board haven't had a proper review since 1990?

The Canadian Glass Associations' Technical Committee recently participated in a joint review of the glass codes in the standard and... change happened!

The following Standards have been withdrawn:

- CAN/ CGSB-12.6-M91      Transparent (One-Way) Mirrors
- CAN/ CGSB-12.9-M91      Spandrel Glass
- CAN/ CGSB-12.10-M76      Glass, Light and Heat Reflecting
- CAN/ CGSB-12.11-M90      Wired Safety Glass
- CAN/ CGSB-12.12-M90      Plastic Safety Glazing Sheets
- CAN/ CGSB-12.13-M91      Patterned Glass
- CAN/ CGSB-12.20-M89      Structural Design of Glass for Buildings

At Glass Connections, guest speakers will be discussing Fire Rated Glass, and also Guard rail glass, which will address two of these withdrawn standards!

Also, some provincial jurisdictions have implemented codes for the use of Bird Friendly Glass. We have a speaker for that topic as well! As you know, when one province requires something, soon all will!

Passive House Certified Windows is a fast growing certification in the International market. BC is exploring this certification and may plan to implement it in the near future. Once again, if one province requires it, soon all will! See this presentation at Glass Connections too!

The National Energy Code for Buildings has been updated and implemented in many jurisdictions across Canada. New buildings are required to follow these new more stringent standards and they are also being closely monitored. What do we do about existing buildings that aren't up to any standard?

The CGA has a guest speaker who will discuss emerging technologies with tested, documented performance for the control of air and moisture infiltration – with added thermal performance – at the window-wall interface. Old buildings made to be more efficient!

Finally, we have a guest speaker from a leading engineering firm that will discuss glazing systems failures, what caused them, how to remedy them and how to design to prevent them!

Glass Connections is a two-day event. The first day includes the CGA Annual Membership meeting and an informal meet-and-greet at an evening reception. Many friendships are made here, and sponsors get additional time to show their products and services in a more relaxed atmosphere. The second day features a full line-up of guest speakers ready to educate YOU on new technologies that satisfy the ever-changing code requirements in the glass industry! Don't miss out on this excellent opportunity!

# SCHEDULE AT-A-GLANCE

WED.

**JUNE 7, 2017**

1:00 pm - 5:00 pm

Exhibitor Set Up

2:00 pm - 3:00 pm

CGA Annual General Meeting

3:00 pm - 4:00 pm

CGA Board of Directors Meeting

5:00 pm - 9:00 pm

Welcome Reception

THURS.

**JUNE 8, 2017**

6:30 am

Registration, Breakfast & Trade Show

7:45 am

Welcome by CGA President Jim Brady

8:00 am

*Glazing Restorations*

9:00 am

*Code Considerations in Fire-Rated Glass*

10:00 am

Break & Trade Show

10:15 am

*Glass & Glazing Problems, and How to Prevent Them*

11:15 am

*Impact of the New CSA A500 Guards Standard*

12:15 pm

Lunch and Supplier Presentation: *PVB & SGP Application*

1:30 pm

*Passive House Building Certification*

2:30 pm

Break & Trade Show

2:45 pm

*Designing with Bird Friendly Glass*

3:45 pm

What Have We Learned? with CGA President Jim Brady

**2017 is a big year for Canadian code changes.**

Fire-rated glazing and the use of wired glass, glass in guardrails and new bird-friendly glazing specifications will impact your businesses.

Don't miss this opportunity to learn about each of these update, plus many more educational topics. Join us in Burnaby at Glass Connections!



**CANADIAN GLASS ASSOCIATION**

*Working together for the betterment of the canadian glass Industry*



# 「EVENT OVERVIEW」

## WEDNESDAY, JUNE 7

1:00 PM – 5:00 PM	EXHIBITOR SET UP
2:00 PM – 3:00 PM	CGA ANNUAL GENERAL MEETING
3:00 PM – 4:00 PM	CGA BOARD OF DIRECTORS MEETING
5:00 PM – 9:00 PM	WELCOME RECEPTION

## THURSDAY, JUNE 8

6:30 AM	REGISTRATION, BREAKFAST & TRADE SHOW
7:45 AM	WELCOME

8:00 AM



### GLAZING RESTORATIONS

#### PETER POIRIER, TREMCO COMMERCIAL SEALANT & WATERPROOFING

Window and curtain wall systems have evolved over the years, especially with respect to weather control performance. Each has its own unique challenges and is designed to respond to different performance requirements when controlling the passage of air and water. The design of appropriate restoration solutions will be explored – from today's typical curtain wall system to the demands of restoring weather-resistance to the hand-crafted, ornate design of a historic landmark.

This seminar will discuss:

1. Considerations in the design of effective restoration solutions for today's aging buildings.
2. Restoring the integrity of aging buildings without the disruption and cost of total window and/or wall replacement.
3. Emerging technologies with tested, documented performance for the control of air and moisture infiltration – with added thermal performance – at the window-wall interface.

9:00 AM



### CODE CONSIDERATIONS IN FIRE-RATED GLASS

#### TIM NASS, SAFTI FIRST

With the advent of new and better performing fire rated glazing products in the market today, there is much confusion on which products are appropriate for certain applications based on current code requirements. This program aims to:

1. To review NBC and fire test requirements when designing for life safety.
2. To understand the relationship of fire safety and human impact safety.
3. To clarify the difference between fire protective vs. fire resistive glazing products as it relates to protecting people and property.
4. To provide you with the latest fire rated glazing product information.

10:00 AM

REFRESHMENT BREAK & TRADE SHOW

# EVENT OVERVIEW

10:15 AM

## GLASS & GLAZING PROBLEMS AND HOW TO PREVENT THEM

**BRIAN HUBBS, RDH BUILDING SCIENCES**

PRESENTATION DETAILS COMING!

11:15 AM

## IMPACT OF THE NEW CSA A500 GUARDS STANDARD

**LES SZCZEPANSKI, OLDCASTLE BUILDING ENVELOPE AND**

**SERGEI MIHHAILENKO, GLAZING ENGINEERING**

The CSA just released the “A500-16 Building Guards” standard and if your business includes the glazing of balustrades, railings, staircases, or other guards, whether indoors or outdoors, compliance will soon be mandatory. This standard specifies requirements for the materials, design, construction, testing, and performance of building guards that act as protective barriers to prevent accidental falls from one level to another, and includes walls that serve this purpose.

The new standard brings a number of challenges, hurdles, testing requirements, and submissions that must be done to prove compliance for the glazing of guards you will be doing in the future.

12:15 PM

## LUNCH AND SUPPLIER PRESENTATION: PVB & SGP APPLICATION TRADE SHOW

1:30 PM

## PASSIVE HOUSE BUILDING CERTIFICATION

**MONTÉ PAULSEN, RDH BUILDING SCIENCES**

PRESENTATION DETAILS COMING!

2:30 PM

## REFRESHMENT BREAK & TRADE SHOW

2:45 PM

## DESIGNING WITH BIRD FRIENDLY GLASS

**MIKHALA WAY, VITRUM INDUSTRIES, LTD.**

Both humans and birds are unable to see glass. Humans have come to realize and recognize certain visual cues that warn us there is a barrier between us and the other side. However, these visual cues are not recognized by birds and results in over 1.25 billion bird deaths in North America each year. Several cities and states in North America have adopted mandatory and/or voluntary standards to reduce the risk of bird collision with glass windows and building facades. Currently Vancouver, Calgary and Toronto have mandatory building codes in place that architects, glaziers and builders must follow.

This presentation covers the many bird-friendly glazing solutions on the market today. Case studies illustrate the many available strategies to reduce bird mortality without the need to eliminate or reducing the glazing area. It will also discuss bird friendly design options that can add value strategies for design, solar heat control and glare reduction.

After the presentation participants will be able to:

1. Recognize potential glazing hazards to birds.
2. Identify and apply current best practices for reducing bird strikes with today's glazing materials.
3. Integrate bird-friendly architecture with other aspects of green design.
4. Understand existing and potential legislation and codes mandating bird-friendly design
5. Use LEED Pilot #55: Reducing Bird Collisions.

3:45 PM

## WHAT HAVE WE LEARNED?

**JIM BRADY, CGA PRESIDENT**

# SPONSORS

THANK YOU TO OUR GENEROUS SPONSORS AND EXHIBITORS FOR MAKING THIS EVENT POSSIBLE!

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