



## 2018 WinDoor Education Sessions

Tuesday December 4<sup>th</sup>

<p>9:00am – 10:00am</p>	<p><b>(T/R): Building Code, Standards, Energy Star, and NRCan Regulation Update (Jeff Baker – WESTLab, Jean-François Kogovsek – Maxam Marketing, Steve Hopwood – ENERGY STAR, Diana Charest – NRCan)</b></p> <p>There are many changes going on across Canada in energy codes and regulations. The presentation will provide an update on the state of building and energy codes across Canada and the upcoming changes to the ENERGY STAR program.</p> <p>These changes have a significant impact on fenestration fabricators across Canada. Keeping up with all the different regulations is a challenge. Jeff Baker and Jean Francois Kogovsek will present on the building and energy code changes.</p> <p>Steve Hopwood will present on the ENERGY STAR program. Don't miss out on this opportunity to get the most current information on the regulations impacting your business.</p>
	<p><b>(C): Making Glass Invisible: How Nanoscience is Reshaping the Industry (Siamak Kashi - Edgehog)</b></p> <p>Nano-sized modification on the surface of glass brings huge reductions in the reflection of light and keeps the glass water-repellant and clean. Invented in Brookhaven National laboratory, NY, and commercialized by Edgehog, the nanostructure-based technology reflects 0.1% of light uniformly throughout the entire visible spectrum. Furthermore, full clarity of the glass is maintained. Applied to architectural glass and solar panels, the broad-spectrum technology promises to achieve an unparalleled look of invisible glass, increase in energy conversion for panels, and self-cleaning properties for outdoor glass.</p>
<p>12:00pm – 1:00pm</p>	<p><b>(T/R): Balustrade Parade – The CSA A500 Building Guards Standard Explained (Robert Jutras – CLEB, a UL Company)</b></p> <p>This session will give a description of the new standards specifically with reference with the requirements for glass building guards. Topics covered includes: General requirements, load effects and load combinations, infill design, deflection limits and openings, anchorage, construction to improve safety, security and durability, testing and materials used for building guard assemblies.</p>
	<p><b>(T/R): LEAN and Mean – Optimizing Production for Window Manufacturers (Benoit Chouinard – Groupe Progima) <i>*Presented in French</i></b></p> <p>This presentation is aimed at leaders of growing manufacturing companies who are facing one or many of the following challenges:</p> <ul style="list-style-type: none"> <li>• The factory is unable to keep up with sales</li> <li>• Manufacturing delays are causing late deliveries</li> </ul>

**(T) : Technical/Residential sessions**

**(C) : Commercial session**



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	<ul style="list-style-type: none"> <li>• You're losing sales due to excessive manufacturing delays</li> <li>• Work in the factory is not efficient</li> <li>• There is a consistent shortage of materials</li> <li>• You're lacking qualified workers</li> <li>• Too much overtime is being paid</li> <li>• Your sales are increasing while your margins are shrinking</li> </ul> <p>Come attend and learn from the expertise gained from more than 25 years of experience working on industrial engineering projects.</p>
<p><b>2:30pm – 3:30pm</b></p>	<p><b>(T/R): FIT Bit – Installation Training That Meets Your Needs (Robert Jutras – CLEB, a UL Company, Laverne Dalgleish – Building Professionals)</b></p> <p>This session will give an overview of the Fenestration Installation Technician – Level 1 (FIT-1) Personnel Certification program. Topics covered includes: Program description, ISO 17024 standard requirements, methods and procedures to ensure the objective and unbiased assessment of a candidate’s knowledge, skills and abilities, examination process, certification prerequisites, application process and future program goals.</p>
	<p><b>(C): Automation: Benefits &amp; Challenges (Martin St-Arnaud – JSA Machinerie Inc.) <i>*Presented in French</i></b></p> <p>Manufacturing automation has been part of that evolution and is still in process in many Canadian window and door manufacturing plant. In this short conference, using many real case studies, I will help owners and plant managers understand why and how to implement automation processes in their own facility.</p>

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Wednesday December 5 <sup>th</sup>	
9:00am – 10:00am	<p><b>(T/R): Building Code, Standards, Energy Star, and NRCAN Regulation Update (Jeff Baker – WESTLab, Jean-François Kogovsek – Maxam Marketing, Steve Hopwood – ENERGY STAR, Diana Charest – NRCAN)</b></p>
	<p><b>(C): A Window to the Canadian Codes and Fire Safety Regulations Related to Doors, Glazing and Fenestration Assemblies Fire Performance (Amal Tamim – Technorm)</b></p> <p>The session will provide manufacturers, distributors and suppliers, with minimum knowledge of Canadian regulatory requirements, a basic understanding of regulatory framework, and minimum performance requirements in Canada.</p>
11:00am – 12:00pm	<p><b>(T/R): Living with NAFS – Tips and Tricks for Labelling, Certification and Testing (Al Jaugelis, RDH Building Science Inc.)</b></p> <p>In this session, Al draws from his own experience and that of others to help fabricators get the most value (and least headaches) from their NAFS testing. Why is NAFS in the Code? Insider's guide to the Canadian Supplement (to NAFS). Navigating NAFS product types and Performance Class. Don't test to the Gateway size! Study the NAFS testing rules. Mullions can have NAFS ratings too. Before you test, make a plan. Don't make the American mistake! NAFS labeling issues. You will never be 100% NAFS compliant.</p>
	<p><b>(C): Hydrothermal performance of fenestration products in service: computer simulation and electronic monitoring (Charles Beaulé and Louis Fortin –CLEB, a UL Company) *Presented in French</b></p> <p>Monitoring fenestration products is the ideal tool to understand a condensation problem for windows in service. Presentations will discuss the method used to conduct the monitoring, as well as how the data collected will be used to identify the issue and develop solutions.</p> <p>The presentation will also discuss how data can also be used as inputs to computer modeling using THERM software. From the established model, it will then be possible to validate different corrective options before applying them.</p> <p>If we want to work upstream, the simulations will be used to validate the design in order to compare various solutions and optimize the performance in terms of resistance to condensation or energy efficiency (U value). Here again the monitoring can be used to check the performance during commissioning of the building.</p>

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