

# Western Canada's biggest show for plumbing, hydronics, HVACR and water treatment

Wednesday, November 7 10 am to 6 pm  
Thursday, November 8 10 am to 5 pm

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of Products

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Workshops

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**CANADIAN  
HYDRONICS  
CONFERENCE**

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CIPHEX West 2018, **PLUS**

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 Ciphex West 2018

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# CANADIAN HYDRONICS CONFERENCE

PRESENTED BY THE CANADIAN HYDRONICS COUNCIL

## Wednesday, November 7

### MODIFYING EXISTING HYDRONIC SYSTEM FOR LOWER WATER TEMPERATURES

**TIME:** 7:30 am – Continental Breakfast (pastries, coffee and tea)  
8:00 am – 11:30 am – Workshop

**FEE:** \$79 up to October 12 / \$109 after

**INSTRUCTOR:** John Siegenthaler, P.E., Appropriate Designs

The performance of many contemporary hydronic heat sources, such as modified condensing boilers, solar thermal collectors, heat pumps, and biomass boilers, is significantly improved when they are combined with low temperature distribution systems. This session explains how to modify those systems to lower their required operating temperature, making them more compatible with modern (and future) heat sources.

### RADIANT COOLING WITH DRY PANEL SYSTEMS

**TIME:** 12:30 pm – 1:30 pm

**FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** William Werthman, Senior Technical Advisor, Legend Valve & Fitting, Inc.

Dry panel systems can be a good option for many installations; you just need to know when to use them. During this learning lab, Bill will discuss the differences between wet and dry panel systems, when dry panel systems should be installed, control strategies, and combination systems. If you are looking to add radiant cooling to your service offerings then this session is the perfect place to start.

### HEAT UP YOUR HYDRONIC SALES – TIPS TO GROW YOUR BUSINESS

**TIME:** 4:45 pm – 5:45 pm

**FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Matt Wiesenfeld, Program Manager, Canadian Hydronics Council

You'll leave this session with new ideas and great tools to increase your hydronic sales. This non-technical presentation will arm you with new ideas and great tools to increase your hydronic sales. It's all about selling with more confidence and success.

## Thursday, November 8

### DOCUMENTING HYDRONIC SYSTEMS

**TIME:** 7:30 am – Continental Breakfast (pastries, coffee and tea)  
8:00 am – 11:30 am – Workshop

**FEE:** \$79 up to October 12 / \$109 after

**INSTRUCTOR:** John Siegenthaler, P.E., Appropriate Designs

Modern hydronics technology can be used to create very sophisticated and elaborate systems. While the original designer understands how the system should be installed and commissioned, the person who installs and maintains the system over its service life may not. Service contractors do not want to deal with the resulting incorrect installations and "orphan systems". Experience has shown that this is all too common with hydronics systems, and represents an impediment to further market acceptance of hydronics technology. This session describes proper system documentation including piping schematics, electrical control schematics, descriptions of operation, initial controller settings, and installation details. You will also learn about relatively inexpensive software tools for creating proper documentation.

### Premium Package

**\$249 BEFORE OCTOBER 12 / \$349 AFTER**

Includes all four CHC Conference sessions, admission to CIPHEX West (exhibits), admission to BUILDEX Calgary (exhibits) PLUS a one year free installer membership in the Canadian Hydronics Council for those who are eligible. Premium registrants also receive a free gift and an invitation to the Canadian Hydronics Council social event on November 7 (after the show closes for the day).

### CHC Conference Package

**\$189 BEFORE OCTOBER 12 / \$219 AFTER**

Includes all four CHC Conference sessions, admission to CIPHEX West (exhibits) and admission to BUILDEX Calgary (exhibits).

You can also register for individual sessions.

# Seminars & Workshops

**Information-packed sessions for contractors, wholesalers, engineers, maintenance personnel, home builders and more.**



**WEDNESDAY, NOVEMBER 7**

## HISTORY AND BENEFITS OF THE THERMOSTATIC MIXING VALVE

**TIME:** 10:30 am – 11:30 am | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Rick Proulx, Business Development Director, Reliance Worldwide Corporation (Canada) Inc.

Hot water delivery temperature has been an issue for many years in Canada leading to a National Code implemented in 2010, ensuring protection to the homeowners from scalding and legionella bacteria.

Safety of the public in the development of products and practices is the first concern in this legislation which offers a workable solution to the issue of safe storage and distribution of hot water.

This session will cover Codes and applicable product standards, National and Provincial Legislation and compliance, as well as the responsibilities of Plumbing Officials and Contractors.

## PLANNING AND EXECUTING COMMERCIAL RAINWATER HARVESTING SYSTEMS IN COMMERCIAL BUILDINGS BASED ON SCALE DRIVEN DESIGNS

**TIME:** 11:45 am – 12:45 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** G. Edward Van Giesen, National Sales Manager, RainCycle (A Watts Company)

Rainwater harvesting systems are used more and more in commercial buildings to offset potable water demands and to reduce storm water outflows. Despite an ever-increasing number of rainwater

systems going into service in North America, design consistency remains elusive. Two key factors that contribute to the success of a rainwater system are early planning and analysis of the

system as a whole. The session will start with a brief introduction on system design and will be followed by an in-depth presentation focusing on the key components.

## NEW TECHNOLOGY METHODS FOR PROTECTING HOMES & BUILDINGS FROM TOXIC RADON GAS

**TIME:** 1:00 pm – 2:00 pm | **FEE:** FREE

**INSTRUCTOR:** David Innes, Director of Sales, Radon Environmental Management Corp.

Radon is responsible for thousands of lung cancer deaths each year. It affects indoor air quality in all buildings. The exposure risk can be prevented during construction and in the way we maintain our homes and workplaces. Changes to

building codes with respect to radon will be covered along with prescriptive measures and performance options. Attendees will also learn about typical radon detection methods used throughout the world and current mitigation methods

and their inherent pitfalls. We will analyze inlet pre-filtration, storage options, sizing methods and disinfection strategies. The speaker will also focus on the why's, how's and where's of inlet filters and critical filtration/treatment options.

## HOW TO DESIGN AND INSTALL A HYDRONIC SNOW MELTING SYSTEM

**TIME:** 2:15 pm – 3:15 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Erwin Quejano, Design Department Supervisor & Rudy Feddema, Senior Design & Technical Support, HeatLink Group Inc.

At this session, you will learn the key components for designing and installing a hydronic snow melting system including:

snowmelt application; snowmelt system components; manifolds to PEX; snowmelt controls; proper installation

of PEX and snow/ice detector to ensure system works as per design; and schematic diagrams.

## CHALLENGING CONVENTIONAL SOFTENER DESIGN TO SAVE WATER, SAVE SALT & SAVE MONEY

**TIME:** 3:30 pm – 4:30 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Tyler Gamble, M. Eng, Commercial Product Applications Manager, Canature WaterGroup

With an increasing number of, and more severe droughts due to climate change, water conservation awareness is at an all-time high. Water softeners are traditionally thought of as water wasters. In some parts of the world, their use is

heavily regulated due to the elevated waste volumes and wastewater issues. New ways of thinking regarding the design and operational use must be considered so that the added benefits of soft water do not conflict with current

water conservation strategies. This presentation will show how a shift in thinking about water softeners can reduce the amount of water and salt consumed and therefore increase the operational efficiency of the softener.



Oct.  
12

Register before ... for  
**BIG SAVINGS**

## BASIC ELECTRICAL THEORY AND CONTROL PANEL TROUBLESHOOTING

**TIME:** 10:30 am – 11:30 am | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Tim Callander, Regional Sales Manager, SJE Rhombus

This session will provide easy to understand explanations of following schematics and using a volt meter.

The troubleshooting portion is a step-by-step method of working your way through a pumping station to determine

the source of the problem: electrical services; controls/alarm circuits; floats; and motors.

## EFFICIENT & EFFECTIVE DHWR (DOMESTIC HOT WATER RECIRCULATION)

**TIME:** 11:45 am – 12:45 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Rick Mayo, Residential Trainer – Western Region, Taco Comfort Solutions

This session will include insights from an expert on domestic hot water (DHW) recirculation including: DHW

and health concerns; mix-down fluid temperatures; DHWR piping options; alternative DHWR control strategies;

and near heater piping details.

## 2020 NATIONAL PLUMBING CODE OF CANADA – UPDATE

**TIME:** 1:00 pm – 2:00 pm | **FEE:** FREE

**INSTRUCTOR:** Sidney Manning, Chief Plumbing & Gas Administrator/Inspector, Government of Alberta

This session will go through code updates as we look towards the 2020 version of the National Plumbing Code of Canada, including hot topics such as water reuse,

rainwater harvesting, legionella and more. Bring any questions or concerns you have about radon, hydronic heating, energy efficiency, etc. Ever wonder why

Plumbing or Gas code is written the way it currently is, or ever have a question nobody else could answer? This is where you should be.

## WALL AND CEILING RADIANT – THE OVERLOOKED SOLUTION

**TIME:** 2:15 pm – 3:15 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Steve Gibbs, Product Manager, Trainer, Radiant Designer, Roth Industries

This session will include: a discussion of heat transfer; rationale for wall and ceiling radiant (supplemental heating and cooling, floor limitations and radiant cooling options); and installation methods

for wall radiant and ceiling radiant. Attendees at this session will learn how radiant walls and ceilings can be a comfort solution and how to identify common indicators where wall or ceiling

radiant can be used. The speaker will also provide an overview of installation methods.

## RETROFITTING AIR HANDLING SYSTEMS USING ECM FANS

**TIME:** 3:30 pm – 4:30 pm | **FEE:** \$25 up to October 12 / \$35 after

**INSTRUCTOR:** Luis F. Orellana, Bid & Spec-Business Development Manager, Rosenberg Fans Canada Ltd.

This session will cover what an ECFan is, how it works, a comparison between AC and EC Motor energy use and controllability. The session will

clarify energy usage of commercial ventilation systems in Canada, as well as retrofitting outdated AHU, MUS and other ventilation systems. Attendees

will learn how to identify energy saving opportunities with ECFans and how to easily size a retrofit application using the correct tools.

THURSDAY, NOVEMBER 8

# Sponsoring Associations



**CANADIAN HYDRONICS COUNCIL**



**CIPH Calgary Region (CIPHEX West host)**

**CIPH Edmonton Region**

**CIPH Saskatchewan Region**

**CIPH Manitoba Region**

**CIPH BC Region**

## location



## parking

Paid parking is available at Stampede Park. The parking lot for the BMO Centre can be accessed from 12th Avenue at 3rd Street.

**BMO Centre, Halls B & C  
Stampede Park:  
1410 Olympic Way, S.E., Calgary**



## calgary transit

- Stampede Park is conveniently located adjacent to two Light Rail Transit stops on the 202 Dalhousie-Somerset/Bridlewood line.
- The Victoria Park/Stampede LRT Station offers direct access to the BMO Centre.
- The Erlton/Stampede LRT Station offers access to the south end of Stampede Park.

For further Calgary Transit service and fares information, visit [www.calgarytransit.com](http://www.calgarytransit.com)

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# CIPHEX West 2018 REGISTRATION FORM

## THREE WAYS to register

### 1 Online (FASTEST):

[www.ciphexwest.ca](http://www.ciphexwest.ca) –

Register one person, or a group of employees using our easy & secure online system.

Early Bird Rates on seminars and workshops have been extended to October 27th!

### 2 Fax:

1-800-628-8838

### 3 Email:

[ciphexwest@conexsys.com](mailto:ciphexwest@conexsys.com)

**Register before November 6 for free trade show admission  
PLUS \$10 off each seminar, compliments of HRAI - use our  
Promo Code for all of your staff who want to attend!**

### REGISTER ME FOR THE FOLLOWING:

	UPTO NOV. 6	AFTER NOV. 6	AMOUNT
<input type="checkbox"/> CIPHEX West exhibits –Your CIPHEX West badge also gives you free admission to BUILDEX Calgary (exhibits) as well as the two FREE seminars.	\$15	\$20	\$ _____
<b>You must register for the exhibits if you are registering for any seminar.</b>			
<b>CHC Conference sessions are in blue</b>			
<input type="checkbox"/> Canadian Hydronics Conference Package (includes sessions H1, H2, H3, H4)	\$189	\$219	\$ _____
<input type="checkbox"/> PREMIUM Hydronics Conference Package (includes sessions H1, H2, H3, H4)	\$249	\$349	\$ _____
<input type="checkbox"/> H1 Modifying Existing Hydronic System for Lower Water Temperatures • November 7   8:00 am to 11:30 am	\$79	\$109	\$ _____
<input type="checkbox"/> H2 Radiant Cooling with Dry Panel Systems November 7   12:30 pm – 1:30 pm	\$25	\$35	\$ _____
<input type="checkbox"/> H3 Heat Up Your Hydronic Sales – Tips to Grow Your Business • November 7   4:45 pm – 5:45 pm	\$25	\$35	\$ _____
<input type="checkbox"/> H4 Documenting Hydronic Systems November 8   8:00 am – 11:30 am	\$79	\$109	\$ _____
<input type="checkbox"/> History and Benefits of the Thermostatic Mixing Valve November 7   10:30 am – 11:30 am	\$25	\$35	\$ _____
<input type="checkbox"/> Planning and Executing Commercial Rainwater Harvesting Systems in Commercial Buildings Based on Scale Driven Designs • November 7   11:45 am – 12:45 pm	\$25	\$35	\$ _____
<input type="checkbox"/> New Technology Methods for Protecting Homes & Buildings from Toxic Radon Gas • November 7   1:00 pm – 2:00 pm	FREE	FREE	\$ 0.00
<input type="checkbox"/> How to Design and Install a Hydronic Snow Melting System • November 7   2:15 pm – 3:15 pm	\$25	\$35	\$ _____
<input type="checkbox"/> Challenging Conventional Softener Design to Save Water, Save Salt & Save Money • November 7   3:30 pm – 4:30 pm	\$25	\$35	\$ _____
<input type="checkbox"/> Basic Electrical Theory and Control Panel Troubleshooting November 8   10:30 am – 11:30 am	\$25	\$35	\$ _____
<input type="checkbox"/> Efficient & Effective DHWR (Domestic Hot Water Recirculation) • November 8   11:45 am – 12:45 pm	\$25	\$35	\$ _____
<input type="checkbox"/> 2020 National Plumbing Code of Canada – Update November 8   1:00 pm – 2:00 pm	FREE	FREE	\$ 0.00
<input type="checkbox"/> Wall and Ceiling Radiant –The Overlooked Solution November 8   2:15 pm – 3:15 pm	\$25	\$35	\$ _____
<input type="checkbox"/> Retrofitting Air Handling Systems Using ECM Fans November 8   3:30 pm – 4:30 pm	\$25	\$35	\$ _____
<b>Subtotal (Exhibit &amp; Seminar Fees)</b>			\$ _____

*Seminar & Workshop Registrations received after October 12 will automatically have the "After October 12" total charged to your credit card.*

### 1 Company Type

Select ONE company type that best describes your organization

- Contractor
- General Contractor / Renovator
- Wholesaler
- Water Treatment Dealer
- Architectural
- Building Mgt / Maintenance
- Building Owner / Developer
- Engineering / Technology
- Government / Municipality
- Public Utility
- Home Builder
- Interior Designer
- Kitchen & Bath Designer
- Manufacturer
- Manufacturer's Agent
- Retailer / Hardware
- Hotel / Motel Management
- Long Term Care Facility / Hospital
- Education (Student / Teacher)
- Media
- Association
- Hutterite Colony / Rural Community

### 2 What are you coming to see at CIPHEX West? Select ALL that apply

- Plumbing
- Heating
- Hydronic Heating
- Water Treatment
- Ventilation
- Refrigeration
- Air Conditioning
- Natural Gas
- Kitchen & Bath
- Fire-Protection
- Industrial
- Geothermal
- Solar
- PVF
- ALL

**3 Do you consent to receive your CIPHEX West registration confirmation, event updates and industry information from CIPHEX West and the Canadian Institute of Plumbing & Heating by email? You will have the opportunity to unsubscribe at any time.** YES  NO

**Note: Having your badge scanned by an exhibitor at the trade show will release your contact information to the exhibitor.**

Salutation:  Mr.  Ms.  Mrs. First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Title (at company): \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

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**PROMO CODE** **HRAI18** [PROMO CODE expires at midnight, November 6, 2018]

CREDIT CARD:  VISA  MasterCard Expiry: \_\_\_\_\_ CVV \_\_\_\_\_  
(3 digits on back of card)

Total for exhibits & seminar fees: \$ \_\_\_\_\_

Card Number: \_\_\_\_\_

Plus 5% GST: \$ \_\_\_\_\_

Name on Card: \_\_\_\_\_

Total: \$ \_\_\_\_\_

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Plan to attend

# CIPHEX West 2018

- Find new ideas to help you design, install, maintain or specific products and systems
- Get answers from technical experts
- See thousands of products
- Find out what's new and how it can help you grow your business



[www.ciphexwest.ca](http://www.ciphexwest.ca)