Environment of Excellence:
The Patient Perspective

Thank You to Our Sponsors

The Canadian Healthcare Engineering Society and the 2014 Organizing Committee gratefully acknowledge the generous contributions and financial support of our sponsors.

MAINTENANCE OF CERTIFICATION
Attendance at this program entitles certified Canadian College of Health Leaders members (CHE / Fellow) to 4.5 Category II credits toward their maintenance of certification requirement.
Welcome to Saint John!

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# CHES 2014 MINUTE BY MINUTE

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<td>0900-1130</td>
<td>CHES Board Meeting</td>
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<tr>
<td>1130-1230</td>
<td>Board Lunch</td>
<td>H Kennebecasis Foyer</td>
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<tr>
<td>1230-1500</td>
<td>CHES Board Strategic Planning Meeting</td>
<td>H Kennebecasis 1 &amp; 2</td>
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## Sunday, September 28, 2014

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<tr>
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<tbody>
<tr>
<td>0900-1100</td>
<td>Decorator Set-Up</td>
<td>CC Delta, Marco Polo, Spencer I II III</td>
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<tr>
<td>0900-1400</td>
<td>Companion Program – Day 1</td>
<td>D Delta Brunswick &amp; Hilton Saint John Lobby (pick-up)</td>
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<tr>
<td>1100-1800</td>
<td>Registration (Hotel) – For Delegates</td>
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<td>1100-1700</td>
<td>Registration (Convention Centre) – For Exhibitors</td>
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<tr>
<td>1100-1700</td>
<td>Exhibitor Set-Up</td>
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<td>1830-2030</td>
<td>Registration</td>
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<td>1830-2100</td>
<td>Opening Reception</td>
<td>Marco Polo Cruise Terminal</td>
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## Monday, September 29, 2014

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>0700-1700</td>
<td>Registration</td>
<td>CC Foyer /Welcome Centre</td>
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<tr>
<td>0700-0830</td>
<td>Committee Meetings, PD, Communications, Membership, P &amp; A</td>
<td>D Trinity Royal</td>
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<tr>
<td>0700-0830</td>
<td>Delegate Breakfast</td>
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<tr>
<td>0830-0900</td>
<td>Opening Ceremonies</td>
<td>D Ballroom AB</td>
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<tr>
<td>0830-1600</td>
<td>CHES 2014 Student Program</td>
<td>CC Delta, Marco Polo, Spencer I II III</td>
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<tr>
<td>0900-0945</td>
<td>Keynote Address – Hélène Campbell</td>
<td>D Ballroom AB</td>
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<tr>
<td>0945-1045</td>
<td>Track 1 – Dr. Elizabeth Bryce</td>
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<tr>
<td>1045-1700</td>
<td>Exhibit Hall Open</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<tr>
<td>1045-1115</td>
<td>Refreshment Break</td>
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<tr>
<td>1115-1200</td>
<td>CHES 2014 Student Program–Q &amp; A with Senior Facility Managers</td>
<td>D Manchester</td>
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<tr>
<td>1115-1200</td>
<td>Track 2A – Bernard Tong</td>
<td>D Ballroom A</td>
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<tr>
<td>1115-1200</td>
<td>Track 2B – Brock Marshall</td>
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<tr>
<td>1200-1245</td>
<td>Track 3A – Robert Savage</td>
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<tr>
<td>1200-1245</td>
<td>Track 3B – Terry Sim</td>
<td>D Ballroom B</td>
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<tr>
<td>1245-1345</td>
<td>Lunch in Exhibit Hall</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<tr>
<td>1345-1430</td>
<td>Dedicated Time in Exhibit Hall</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<tr>
<td>1430-1515</td>
<td>Track 4 – Eleonore Rivoire</td>
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<tr>
<td>1515-1600</td>
<td>Track 5 – Richard Dixon</td>
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<td>1600-1700</td>
<td>Happy Hour!</td>
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<td>1800-1900</td>
<td>President’s Reception</td>
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<tr>
<td>1900-2300</td>
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<td>D Ballroom ABC</td>
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CC = Convention Centre  
D = Delta Brunswick  
H = Hilton Saint John
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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>0700-0830</td>
<td>Delegate Breakfast</td>
<td>D Trinity Royal</td>
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<tr>
<td>0800-0830</td>
<td>CHES Board/Exhibitor Meeting</td>
<td>D Manchester</td>
</tr>
<tr>
<td>0800-1500</td>
<td>Registration</td>
<td>CC Foyer/Welcome Centre</td>
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<tr>
<td>0830-0930</td>
<td>Track 6 – Janet Stout</td>
<td>D Ballroom AB</td>
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<tr>
<td>0930-1015</td>
<td>CHES National AGM</td>
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<tr>
<td>1015-1045</td>
<td>CHES Maritime Chapter AGM</td>
<td>D Trinity Royal</td>
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<tr>
<td>1015-1045</td>
<td>Refreshment Break in Exhibit Hall</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<td>1015-1415</td>
<td>Exhibit Hall Open</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<tr>
<td>1045-1130</td>
<td>Track 7A – Anthony Twyman</td>
<td>D Ballroom A</td>
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<tr>
<td>1045-1130</td>
<td>Track 7B – Art Doramajian</td>
<td>D Ballroom B</td>
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<tr>
<td>1100-1130</td>
<td>2014 and 2015 CHES CPC Meeting</td>
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<tr>
<td>1130-1230</td>
<td>Dedicated Time in Exhibit Hall</td>
<td>CC Loyalist, Marco Polo, Spencer I II III</td>
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<tr>
<td>1230-1330</td>
<td>Lunch in Exhibit Hall and Draw Prize</td>
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<tr>
<td>1330-1415</td>
<td>Track 8A – Normand Brais</td>
<td>D Ballroom A</td>
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<tr>
<td>1330-1415</td>
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<td>1415-2200</td>
<td>Exhibit Tear-Down</td>
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<td>1415-1500</td>
<td>Track 9A – David Leblanc</td>
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<tr>
<td>1415-1500</td>
<td>Track 9B – Don MacDonald</td>
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<tr>
<td>1500-1530</td>
<td>Refreshment Break</td>
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<tr>
<td>1630-1700</td>
<td>Closing Ceremonies</td>
<td>D Ballroom AB</td>
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<tr>
<td>1700-1800</td>
<td>CHES Incoming Board Meeting</td>
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**Wednesday, October 1, 2014**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>0800-1700</td>
<td>Post-Conference Workshop</td>
<td>D Ballroom A</td>
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<tr>
<td>1200-1300</td>
<td>Lunch</td>
<td>D Trinity Royal</td>
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</tbody>
</table>

CC = Convention Centre  
D = Delta Brunswick  
H = Hilton Saint John
CHES 2014 ORGANIZING COMMITTEE

CHAIR
Ralph Mayfield

Steering Committee
Ralph Mayfield (Chair)
Mitch Weimer, CHES Vice President
Allan Kelly
Denis Pellichero
Gordon Burrill
Bary Hunt
Keith Boucher
Robert Barss
Kent Waddington

Exhibits & Sponsorships Committee
Allan Kelly (Chair)
Mitch Weimer
Kent Waddington (Green Park Chair)

Social Committee & Golf
Keith Boucher (Chair)
Robert Barss
Denis Pellichero

Communications & Promotion Committee
Ralph Mayfield (Chair)
Robert Barss
Luc Deptuck
Donna Dennison

Program Committee
Gordon Burrill (Chair)
Bary Hunt
Michael Hickey

Conference & Tradeshow Office
Donna Dennison, CHES Executive Director
Luc Deptuck, Conference Coordinator

Student Program
Ralph Mayfield (Chair)

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Welcome delegates and guests of the 34th Annual Conference of the Canadian Healthcare Engineering Society. We are pleased to be your host in Saint John, New Brunswick – Canada’s original city.

Saint John has a history as a hub for business, industry and innovation. Creativity and ingenuity have always driven the economy of the city. Today, ICT, knowledge, advanced manufacturing, energy, and healthcare sectors continue to form Saint John’s economic base.

As a diverse municipality delivering over fifty services to the public, we understand the importance of your work in the effective operation and maintenance of the facilities, technologies and services provided in healthcare.

Thank you for all you do to ensure we are in good hands within our Canadian healthcare system. We assure you that you are in equally good hands during your stay in Saint John.

Mayor Mel K. Norton
Greetings Everyone! On behalf of the CHES National Board of Directors, and the entire executive team, I am honoured to officially welcome you to Saint John, New Brunswick and the 34th Annual National Conference of the Canadian Healthcare Engineering Society. Once again we have a terrific educational program that I’m certain will serve to inspire and revitalize us all as we work towards an “Environment of Excellence: The Patient Perspective.”

We are truly fortunate to have such an outstanding number of exhibitors and delegates at this year’s National conference. I ask you take the opportunity to visit with our exhibitors and sponsors; a show such as this is not possible without their continued support. Our exhibitors are here with us today to showcase the latest innovations, technological processes and equipment offerings. The tradeshow component is every bit an educational experience for you to take back to your facilities as the knowledge and experiences of the sessional speakers.

We have a full complement of corporate sponsors for our events; we are truly blessed to have such a long list of business partners who have found value building relationships with CHES, most have supported our organization for many, many years. Please take the time to visit their booths and thank them for their continued support.

At this time I would like to offer my heartfelt thanks and congratulate the chair of this year’s conference planning team; Ralph Mayfield. Ralph’s dedicated team has done a terrific job bringing us all together for another great show. Ralph and his team worked tirelessly, ensuring this conference met world class standards we’ve all come to expect and this year’s conference will be no exception. Please take the opportunity to thank the team for their hard work.

We hope to see you all at the Post Conference Workshop being presented by Gordon Burrill. CHES and CSA collaborated to bring this session to you. It will help attendees develop their plans ensuring their healthcare facilities operate as safely and efficiently as possible; by providing insight into the application of CSA Z8002-14 Operation and Maintenance of Healthcare Facilities. This session is sure to be engaging and thought provoking. Gordon is a world class presenter who is in constant demand, traveling extensively around North America and one of New Brunswick’s favorite sons who lives just up the road from here. For more information on the course, please go to our website at www.ches.org.

Finally, I want to thank each and every one of you for all of the wonderful things you have done to make CHES strong, and for all the tremendous things you do each and every day creating a healthcare system that is admired around the world. Thanks also, from our executive and board (including Donna), to all our working committees, and all of our members, you are truly special people. Never forget, the positive impact that you have on the outcomes of our patients, visitors, and staff, every day. You all play a significant role creating an “Environment of Excellence”.

Enjoy the conference, take some time to say hello to your colleagues and friends, and mark your calendar for CHES 2015 being held in Edmonton, Alberta, September 20th – 22nd, 2015, as we look at “Healthcare, Keeping Pace with Technology”.

Thank you – Enjoy the conference!

Peter Whiteman
CHES National President
WELCOME FROM THE CHAIR OF THE ORGANIZING COMMITTEE

On behalf of the organizing committee for CHES 2014 SCISS, I am pleased to welcome everybody to the oldest incorporated city in Canada, Saint John. It has truly been an honor to work with the dedicated CHES Maritime members, the National Conference Committee 2014 and those from across the Country in planning this conference. “Environment of Excellence: The Patient Perspective” is no small goal and we hope that this conference will help to take you and your facility towards your next steps in that direction. Providing the proper environment for our patient and staff is so important today.

You know that the equality of the healthcare system is only as good as individuals who dedicate themselves every day to providing the best service possible and to make it the best it can be. Healthcare professionals know that we can always improvement the way we do things, so we must look beyond our own facilities to other healthcare facility across Canada and North America to find the best practices and solution for our aging facilities. This conference has world class products on the exhibit floor and speakers from across the Country and around the world who will share their experience on technical issues as well as the healthcare environment from their unique perspectives. Be sure to take in the world class banquet on Monday night and the open ceremony where CHES/SCISS gets to honour our award winners for world class achievements.

I hope you get the chance to take in everything the conference has to offer: the education, the golf game, professional networking, the social time and of course, historical city of Saint John along local site like the Fundy Trail for example.

I want to take this opportunity to commend the CHES Board for their leadership in deciding to make the CHES 2014 SCISS a first time event in Saint John. Their commitment to building a truly national organization has never been stronger.

I would also like to thank the members of the organizing committee. Typically a CHES/SCISS conference is organized with the help of a local chapter. We thank also the Maritime Chapter Members who have assisted us.

Special thanks to Gordon Burrill and Barry Hunt for their work on the Education Program. Thank you all for the many hours of service you have provided your fellow members.

Once again – Welcome to New Brunswick!

Ralph Mayfield

Ralph Mayfield
Chair, CHES 2014 SCISS Conference Planning Committee
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Vice President ............................................................................................................... Mitch Weimer
Past President ............................................................................................................. JJ Knott
Secretary .................................................................................................................... Randy S. Cull
Treasurer ..................................................................................................................... Robert Barss
Alberta Chapter Chair ............................................................................................... Preston Kostura
British Columbia Chapter Chair .................................................................................. Steve McEwan
Manitoba Chapter Chair ............................................................................................... Craig Doerksen
Maritime Chapter Chair ............................................................................................. Denis Pellichero
Newfoundland Chapter Chair ..................................................................................... Brian Kinden
Ontario Chapter Chair .............................................................................................. Allan Kelly
Executive Director .................................................................................................... Donna Dennison

CHES COMMITTEES

CHES Membership Committee Chair ........................................................................ Ron Durocher
CHES Communications Committee Chair .................................................................. Bill Corrigan
CHES Professional Development Committee Chair ................................................. Jeff Smith
Canadian Healthcare Construction Course ................................................................ Gordon Burrill
Medical Gas Piping Systems Course .......................................................................... Jeff Smith
Conference Planning Team 2014 ................................................................................. Ralph Mayfield
Conference Planning Team 2015 ............................................................................... Preston Kostura
CHES Governance Committee Chair ........................................................................ Peter Whiteman
CHES Advocacy and Partnerships Chair .................................................................... Sarah Thorn
CHES Healthcare Standards Subcommittee Chair .................................................... Gordon Burrill
GENERAL INFORMATION

CONFERENCE LOCATIONS

Trade Show: Loyalist, Marco Polo, Spencer I II III, Saint John Trade & Convention Centre
Sessions: Plenary – Ballroom AB, Delta Brunswick Hotel
Tracks – Ballroom A & Ballroom B, Delta Brunswick Hotel
Registration: Sunday September 28 – Delta Brunswick Hotel
Sunday, Monday, Tuesday September 28-30 – Foyer, Saint John Trade & Convention Centre
Breakfast: Trinity Royal, Delta Brunswick Hotel

TRADE SHOW HOURS

Monday, September 29, 2014 1045-1700 (Saint John Trade Convention Centre)
Tuesday, September 30, 2014 1015-1415 (Saint John Trade Convention Centre)

DELEGATE REGISTRATION DESK HOURS

Sunday, September 28, 2014 1100 – 1700 (Saint John Trade Convention Centre)
1100 – 1800 (Delta Brunswick Hotel)
1830 – 2030 (Marco Polo Cruise Terminal)
Monday, September 29, 2014 0700 – 1700 (Saint John Trade Convention Centre)
Tuesday, September 30, 2014 0800 – 1500 (Saint John Trade Convention Centre)

REGISTRATION SPONSORS & GIFTS

- Conference Bags Sponsored by CBCL Consulting Engineers – PLATINUM SPONSOR
- Delegate Contest Prize Sponsored by Belfor – GOLD SPONSOR
- Lanyards Sponsored by HH Angus – SILVER SPONSOR
- Official CHES 2014 Time Sponsors by Primex Wireless – BRONZE SPONSOR

PLEASE NOTE

Name Badge: Delegates are required to wear their name badge to all conference functions including access to the Tradeshow Floor and Education sessions.

Social Events & Meals: Applicable tickets for meals and social events will be in your registration packages and will be collected at each function. Additional tickets are available to purchase at the Registration Desk.
Help us Celebrate!

Sometimes all it takes is a change in perspective.

Turn your capital expenses into financial and environmental benefits.
Ecosystem makes your buildings more energy efficient through deep retrofits.
And we guarantee the results.
DOWNLOAD THE CHES 2014 APP!

We’re excited to announce that again this year, the Canadian Healthcare Engineering Society has worked with Gather Digital to provide a mobile application for the event. You will get up-to-the-minute information such as the latest agenda, updates from the conference planner, speaker information, feedback opportunities, maps, exhibitor and sponsor details, an attendee list and more.

USING THE APP

To get the CHES mobile app, follow the instructions below or simply scan* the appropriate QR code below:

- iPhone and iPad users—search “CHES 2014” on the Apple App Store.
- Blackberry, Windows, others—go to this address on your smart phones (omit www): https://ches2014.gatherdigital.com

*The device you are scanning with must have a QR code scanner app downloaded

Mobile Web (use either):

(iOS) iTunes URL:

(Android) Google Play URL:
The Canadian Healthcare Engineering Society would like to thank their 2014 sponsors:

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Accutech Security  
ASCO Power Technologies Canada  
HH Angus  
Phillips Lighting  
Precise Parklink  
Scotia Elevator Consulting Limited

BRONZE

Primex Wireless  
Shift Energy
CHES TRADE SHOW BOOTHS

Loyalist, Marco Polo, Spencer I II III

57 AAF International/Filtration Plus Limited ☄
28 Abatement Technologies Ltd.
6/7 Acklands-Grainger ☄
41 Aerocom Systems, Inc.
22 Air Liquide Healthcare
10 Allegion Canada Inc. ☄
54 All-Tech Environmental Services Ltd.
2 Altro Canada Inc.
48/49 Amico Corporation
60 Asco Power Technologies Canada ◆ ☄
77 Atlantic CAT
62 Austoo (Canada)
69 Belfor Property Restoration ◆
25 Bender Canada Inc. ☄
46 BG Distribution
18 C/S Construction Specialties ☄ GP
15 Camfil Farr (Canada) GP
17 Canadian Coalition for Green Health Care GP
42 CES Group Montreal
82/83/84 CHEM-Aqua Canada ◆ ☄ GP
87 CHAIR (Coalition for Healthcare Acquired Infection Reduction) GP
33 CHES
37 CHES 2015 Conference
50/51 Chubb Edwards, A UTC Fire & Security Company
79 Class 1 Inc. ◆ ☄
16 Crossroads C & I GP
64 ECNG Energy LP
38 EI Solutions
81 Energy Services Association of Canada GP
44 ESL Power Systems
74 Follett Corporation
61 Forbo Flooring Systems.
39 Franke Kindred Canada Inc. ☄
27 Freudenberg Non Wovens
89 Grundfos Inc. GP
73 Heat & Frost Insulators Labor Management Cooperative Trust
80 Honeywell Limited ◆ GP
59 IRC Building Sciences Group
109 Johnson Controls ◆
70 Klenzoid Canada Inc. ◆ ☄
1 Laird Plastics/Crane Composites

12 LP Electronics
35 Marathon Institutional
34 MCW Maricor
53 MediaEdge Communications Inc.
66 Medical Mart
68 Megamation Systems Inc.
43 Miura Canada Ltd.
9 Mondo America Inc.
11 Nalco, An Ecolab Company
36 Natural Resources/Building Division
63 Nedco
86 Pacific Consolidated Industries GP
65 PG Lifelink
45 Phoenix Controls
52 Plan Group
23 Pneumatic Tube Systems Inc.
19 Precise Parklink Inc. ◆
26 Primex Wireless ◆
71 RANA – On-Site Gas Systems
47 Rauland-Borg Canada
24 Reliable Controls Corp
78 Sanuvox Technologies Inc.
76 Sapling Company Inc.
55/56 Schneider Electric ☄
107 SHIFT Energy Inc. ◆
75 Siemens ◆
72 Specified Technologies Inc.
8 Stantec ◆
108 Steam Specialties
5 Swisslog Healthcare Solutions
13 Thermogenics ◆
40 Thomson Power Systems ☄
67 Time Trackers
21 Trane ◆
14 Tremco Roofing and Building Maintenance ◆ GP
29 Tyco – SimplexGrinnell/Tyco – Integrated Fire & Security
58 Victaulic Company of Canada Ltd.
30 Vidir
20 Weishaupt Corporation

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◆ 公司是大会赞助商
GP 在绿公园的摊位
SUNDAY, SEPTEMBER 28, 2014

GOLF TOURNAMENT

0900-1400
Hampton Golf Course
Sponsored by Ecosystem PLATINUM SPONSOR

0730 Bus Pickup for attendees staying at the Delta Brunswick Hotel
0800 Bus Pickup for attendees staying at the Hilton Saint John Hotel

COMPANION PROGRAM – DAY 1

0800-1730
Sponsored by Precise Parklink SILVER SPONSOR

0730 Bus Pickup for attendees staying at the Delta Brunswick Hotel
0745 Bus Pickup for attendees staying at the Hilton Saint John Hotel

OPENING RECEPTION

1830-2100
Marco Polo Cruise Terminal

1800 Bus Pickup for attendees staying at both the Delta Brunswick Hotel & Hilton Saint John Hotel

Sponsored by Class 1 Inc. PLATINUM SPONSOR

Entertainment Sponsored by ASCO Power Technologies Canada SILVER SPONSOR
### Monday, September 29, 2014

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<th>Time</th>
<th>Event</th>
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<td>0830</td>
<td><strong>STUDENT PROGRAM</strong></td>
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<tr>
<td>0830-1600</td>
<td><strong>COMPANION PROGRAM – DAY 2</strong></td>
<td>Convention Centre</td>
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<td>1045-1700</td>
<td><strong>TRADESHOW OPEN</strong></td>
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<tr>
<td>0700-0830</td>
<td><strong>Delegate Breakfast</strong></td>
<td>Trinity Royal (Delta)</td>
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<tr>
<td>0830-0900</td>
<td><strong>OPENING CEREMONIES</strong></td>
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#### Keynote Address

**Speaker:** Hélène Campbell, Give2Live Foundation  
**Introduction:** Luis Rodrigues, Vice President, Energy Solutions, Honeywell Limited, Toronto ON

Hélène Campbell is the young woman behind what is now known as the Hélène Effect: making things happen through the power of her magnetic personality, her unbridled enthusiasm, her limitless optimism, her passion and iron will. Hélène is a very grateful and feisty double lung transplant recipient and the spokesperson for the Give2Live Foundation.

Hélène has caught the attention of leaders and celebrities across Canada and abroad, and she is continuing to be recognized for her courage, strength and incredible spirit. Her passion for the cause dear to her – organ and tissue donation – and the ideals and principles she lives by – be grateful, live passionately and seek out those with tenacity – have made her a sought after speaker. Her recent speaking engagements include: We Day Ottawa 2013, the 2013 Breath! Gala, 2013 Ontario Hospital Association Organ & Tissue Donation Conference, E-Health 2013 Conference, 2013 National Health Leadership Conference, 2013 Canada Day Noon Show, and the 2013 Ontario Hospital Foundation Feature Breakfast.

The general consensus is clear: Hélène’s passion is contagious and no one is immune to her energy and strength. To listen to Hélène makes you feel like taking on the world. The feedback from her recent speaking events is unanimously positive.

#### Track 1

**Human Factors Engineering in the Facility Design Process: Impact on Human Health**

**Speakers:** Dr. Elizabeth Bryce, Regional Medical Director – Infection Prevention and Control, Vancouver Coastal Health, Vancouver, BC  
Ian Clearie, Director – Facilities Maintenance & Operations, Fraser Health, Vancouver Coastal Health, Vancouver, BC

**Moderator:** Gordon Burrill, PEng, FASHE, CHF, CHC, President, Teegor Consulting, Fredericton, NB

Human Factors Engineering is a relatively new discipline that examines the way humans interact with the work environment, technology, tools, and processes with the ultimate goals of optimizing efficiency, effectiveness, and safety. It is an ideal science to interact with...
MONDAY, SEPTEMBER 29, 2014

Infection Prevention and Control and Facility Maintenance and Planning because it combines the content expertise from all three disciplines to ensure that facilities are designed to not only meet workplace requirements but to enhance quality and safety for both patients and staff. Key principles of Human Factors Engineering will be explained and examples will be provided to specifically illustrate how the science can be applied to the clinical setting.

**Sponsored by Stantec**  **PLATINMUN SPONSOR**

1045-1115 Refreshment Break in Exhibit Hall  
Convention Centre  
**Sponsored by Accutech Security**  **SILVER SPONSOR**

1115-1200  
**TWO CONCURRENT TRACKS 2A & 2B**  
**TRACK 2A**  
**ENDEARING HEALING GARDEN**  
Ballroom A (Delta)

**Speakers:**  
*Bernard Tong*, BA, B Arch, AAA, MAPM, Project Manager, Capital Management, Alberta Health Services, Edmonton, AB  
*Susan Carr*, Chair, 50th Anniversary Committee, Cross Cancer Institute Volunteer Association, Edmonton, AB  
*Kristin Grimard*, BEnvDm MLA, AALA, CSLA, Landscape Architect, EDA Collaborative Inc., Edmonton, AB

**Moderator:**  
*Barry Hunt*, President, Class 1 Inc., Cambridge, ON

This is a presentation of a Healing Garden conceived by volunteers who have cancer or been affected by cancer, for cancer patients and their families, visitors and staff when they journey through cancer at the Cross Cancer Institute in Edmonton, Alberta. The Healing Garden is a unique legacy project built with donated funds to commemorate the 50th Anniversary of the Cross Cancer Institute Volunteer Association.

**TRACK 2B**  
**SHAPING BUILDINGS TO IMPROVE THE PATIENT EXPERIENCE**  
Ballroom B (Delta)

**Speakers:**  
*Brock Marshall*, Director of Engineering and Facilities, The Ottawa Hospital, Ottawa, ON  
*Joanne Read*, Senior Director, AmbCare/Eye Care/Support Services, The Ottawa Hospital, Ottawa, ON

**Moderator:**  
*Denis Pellichero*, Manager, Infrastructure Management, Nova Scotia Department of Health, Halifax, NS

Our Canadian healthcare budgets are continuously under strain with limited funds for capital improvements. Deferred maintenance is on the rise and many healthcare organizations find they are only able to address high priority projects.

There have been a number of studies that link the physical environment of a hospital to patient outcomes. Evaluating this link has become an important factor in prioritizing facility upgrades and greening initiatives at TOH. So, how do you prioritize projects and greening initiatives and demonstrate that they support improving patient outcomes? This presentation will provide an overview of the methodology used at TOH to evaluating and prioritizing facility renewal projects, and how we determine the effect on patients. Examples of projects that have been implemented will be discussed as well as how they link to patient outcomes.

1200-1245  
**TWO CONCURRENT TRACKS 3A & 3B**  
**TRACK 3A**  
**WAYPOINT CENTRE FOR MENTAL HEALTH CARE – CHALLENGES AND OUTCOMES**  
Ballroom A (Delta)

**Speakers:**  
*Francesco Nardone*, LEED AP BD+C, Electrical Consultant, Stantec, Toronto, ON  
*Saeid Izadpanah*, PEng., M.Sc. LEED, AP BC+C, Senior Associate, Stantec, Toronto, ON  
*Robert Savage*, Vice-President, Redevelopment, Waypoint Centre for Mental Health Care, Penetanguishene, ON

**Moderator:**  
*Allan Kelly*, CHES Ontario Chapter Chair
The presentation illustrates the expansion of the existing Waypoint mental health facility located in Penetanguishene, ON, its challenges and the enhanced client experience in the new facility. Waypoint Centre for Mental Health Care is a 350,000 square foot psychiatric hospital built on the hospital's existing site. Waypoint is the only provider of maximum security forensic hospital services for clients served by both the mental health and justice systems. The new facility consolidated Waypoint into a more efficient, integrated campus. The building systems have been designed to provide the highest level of flexibility and redundancy and to ensure continuity of service. A critical part of the project was the integration between existing services and systems (i.e. low voltage systems) with new ones. The existing buildings are connected to the new ones so that Waypoint is operated seamlessly.

**Track 3B**

**Lean, Clean, and Green: How Humber River Regional Medical Center is Automating the Age-Old Challenge of Waste, Soiled Linen, and Recyclable Collection and Transport**

**Ballroom B (Delta)**

**Speakers:**
- **Terry Sim,** Director of Planning, Humber River Regional Hospital, Toronto, ON
- **Harry Pliskin,** President, TransVac Solutions, Denver, CO, USA

**Moderator:**
- **Robert Barss,** Manager, Facility Services, South Shore District Health Authority, Bridgewater, NS

This presentation examines Humber River Regional Hospital’s decision to install an automated solution for collecting and transporting soiled linen, waste and recycling. The session examines problems with traditional, more manual methods of collecting, storing and transporting waste and linen. The common approaches can be a major source of expense, inefficiency, worker injury and an infection risk. The advantages of automation relative to cost savings, operational efficiency, space savings and infection control will be reviewed.

This session enables attendees to:
- To identify the five major problems associated with traditional, more manual methods of collecting, storing and transporting waste, soiled linen and recyclables in a healthcare setting
- Describe how soiled linen is an infection control risk for hospitals using storage or collection rooms as part of its handling processes
- Assess the advantages of automation in the collection and transportation of soiled linen, waste and recyclables in a hospital.
- Understand the reasons why Humber River selected an automated solution over traditional waste and linen handling methods

**1245-1345**

Lunch in the Exhibit Hall

**Sponsored by Klenzoid Canada Inc. PLATINUM SPONSOR**

**Track 4**

**Embedding the Patient Perspective**

**Ballroom AB (Delta)**

**Speaker:**
- **Eleanor Rivoire,** Executive Vice-President, Clinical Administration, Professional Practice & Chief Nursing Executive, Kingston General Hospital, Kingston, ON

**Moderator:**
- **Ralph Mayfield,** Chair, 2014 CPC Committee, Director of Physical Resources, Horizon Health Network, Saint John, NB

Patient engagement is described as the recent and most disrupt force of change within health care. While patient and family centered care and partnering with patients might seem obvious, and particularly to direct care providers, embedding the patient perspective into care and service planning is essential for all who support patient care, support services and the overall patient experience. Every individual within health care needs to be sensitive to how they can model patient centered leadership and meaningfully embed the patient perspective into planning and work design. This presentation will provide an overview of the experience of one acute care academic hospital with patient engagement and patient centered leadership, and how embedding the patient perspective into all planning and decision making has led to improvements in care, quality and service.
1515-1600 TRACK 5

NEW CSA STANDARDS FOR INFECTION CONTROL – HVAC & PLUMBING

Speaker: Richard Dixon, President, R & C Consulting Ltd, Vancouver, BC
Moderator: Barry Hunt, President, Class 1 Inc., Cambridge, ON

The Canadian Standards Association (CSA) is going through a process in 2014 and 2015 in revising its key healthcare standards Facilities – Planning, Design and Construction Z8000, Plumbing Z317.1 and HVAC Z317.2. Plus CSA is pleased to announce a new standard will start development Z317.14 Wayfinding. Our Canadian healthcare facilities are extremely complex to build then maintain. The entire family of CSA healthcare standards thus supports the form and function relationship of this process and most importantly provides a detailed safety element to patients, staff and visitors. Attend this session and be a part of the CSA change process.

1600-1700 “Happy Hour” in the Exhibit Hall

Sponsored by Trane GOLD SPONSOR

STUDENT PROGRAM

Sponsored by Scotia Elevator Consulting Limited SILVER SPONSOR

0830-0900 Opening Ceremonies
0900-0945 Keynote Address
0945-1045 Plenary Session
1045-1115 Refreshment Break in Exhibit Hall
1115-1200 Student Q & A with Senior Facility Managers
1245-1430 Lunch in Exhibit Hall
1430-1600 Plenary Sessions/Exhibit Hall

COMPANION PROGRAM – DAY 2

0830-1300

Sponsored by Precise Parklink SILVER SPONSOR

0915 Meet in Lobby (Delta Brunswick Hotel & Hilton Saint John Hotel)
MONDAY, SEPTEMBER 29, 2014

GALA RECEPTION AND BANQUET
Foyer & Ballroom ABC, Delta Brunswick

1800-1900

PRESIDENT’S RECEPTION
Foyer – Ballroom ABC, Delta Brunswick

Sponsored by Tremco Canada PLATINUM SPONSOR

1900-2300

GALA BANQUET AND PRESENTATION OF CHES AWARDS
Ballroom ABC, Delta Brunswick

Sponsored by Johnson Controls Inc. DIAMOND SPONSOR
Music columnist Gerry Taylor wrote in the Telegraph-Journal:

"... the Saint John area's premier folk act Before the Mast makes shanties and other sea songs an art form. An a cappella group that varies the lead and harmony voices, Before the Mast pays homage to our maritime heritage....Before the Mast is just about as energetic as a traditional sea-song singing chorus can get without busting a barnacle. They're witty too and wrapped-in-canvas entertainers all.....whose seafaring tales, fact and fiction, will astound you."

Jean-Francois Blais commented on his internet radio show Bordel de Mer, recorded at "La Fête des chants de marins" in Saint-Jean-Port-Joli, Quebec, "Before the Mast has great energy and presence on stage, rich harmonies, and a wonderful rapport with audiences." He goes on to say that members of the group "don't merely sing shanties, they live them!"
TUESDAY, SEPTEMBER 30, 2014

1015-1400  TRADESHOW OPEN  Convention Centre
0700-0830  Delegate Breakfast  Trinity Royal (Delta)

Sponsored by CSA Group  GOLD SPONSOR

0800-0830  CHES Board/Exhibitor Meeting  Manchester (Delta)

0830-0930  TRACK 6

LEGIONNAIRES’ DISEASE: PAST, PRESENT, AND FUTURE  Ballroom AB (Delta)

Speakers:  Janet Stout, PhD, Microbiologist, Director, Special Pathogens Laboratory, Pittsburgh, PA
          Ted Kusz, BSc, VP and Sales Manager, Klenzoid Canada, Mississauga, ON

Moderator: Denis Pellichero, Manager, Infrastructure Management, Nova Scotia Department of Health, Halifax, NS

Controlling Legionella in hospital water systems is key to reducing the risk of hospital-acquired Legionnaires’ disease. ASHRAE is poised to pass the first national standard in the U.S. Some Canadian jurisdictions have passed new laws requiring compliance with care criteria. Facility directors now face increased responsibility to protect patients and avoid legal risk. A proactive and team approach is recommended that includes conducting a facility-wide risk assessment and developing a water safety plan.

0930-1015  CHES NATIONAL ANNUAL GENERAL MEETING  Ballroom AB (Delta)

1015-1045  CHES MARITIME CHAPTER ANNUAL GENERAL MEETING  Trinity Royal (Delta)

1015-1045  Refreshment Break in Exhibit Hall  Convention Centre

Sponsored by Ecosystem  PLATINUM SPONSOR

1045-1130  TWO CONCURRENT SESSIONS 7A & 7B

TRACK 7A  BLUEPRINT FOR A SAFE AND SUCCESSFUL PROJECT  Ballroom A (Delta)

Speaker:  Anthony Twyman, Infection Control Practitioner, University Health Network, Toronto, ON

Moderator:  Robert Barss, Manager, Facility Services, South Shore District Health Authority, Bridgewater, NS

Equally important to the visual environmental experience of the patient are those environmental elements that the patient cannot see: the design features that keep them safe. This presentation will focus on the importance of knowledgeable infection prevention and control input during the critical pre-planning and design discussions of healthcare facility new construction as well as older building renovation. Specific examples of what can go wrong when the right people are not at the table will be discussed as well as how to avoid these pitfalls.

TRACK 7B  EFFECTIVE CLIMATE CONTROL FOR HOSPITAL OPERATING ROOMS  Ballroom B (Delta)

Speakers:  Art Doramajian, P. Eng., M. Eng., Senior Engineer, EI Solutions Inc., Laval, QC
          John Gowing, Sales Engineer, EI Solutions Inc., Burlington, ON

Moderator:  Gordon Burrill, PEng, FASHE, CHFM, CHC, President, Teegor Consulting, Fredericton, NB

Controlling humidity in hospitals is obviously important but the fear of mold and bacteria is not what is truly driving the requirement for dehumidification equipment. Surgeons are demanding cooler, drier operating room conditions. Hospital administration has prioritized indoor environmental conditions not just for the safety of the patient, but also to improve the efficiency and quality of work life for the surgeon. The key is to select the most efficient climate control technologies.

Sponsored by Shift Energy  BRONZE SPONSOR
TUESDAY, SEPTEMBER 30, 2014

1130-1330  EXHIBIT HALL  Convention Centre
1230-1330  LUNCH IN EXHIBIT HALL & EXHIBITOR PRIZE DRAWS  Convention Centre

Sponsored by Thermogenics  PLATINUM SPONSOR

1330-1415  TWO CONCURRENT SESSIONS 8A & 8B  Ballroom A (Delta)

TRACK 8A  C-DIFF, MRSA and VRE DISINFECTION USING SOFTWARE-DRIVEN ULTRAVIOLET TECHNOLOGY

Speaker:  Normand Brais, P. Eng., Ph. D., President, Sanuvox Technologies, St-Laurent, QC
Moderator:  Barry Hunt, President, Class 1 Inc., Cambridge, ON

Ultraviolet Germicidal Irradiation (UVGI) has been widely accepted for over 50 years and recognized as a superior alternative to chemicals for the disinfection of drinking water. UVGI is today a well mastered cost effective disinfection technology that unlike antibiotics does not create any new resistant strains and as such creates no undesirable side effect. It has proven capable of deactivating all kinds of microorganisms by dimerization of the thymine pairs of their DNA or RNA. This paper explains and demystifies the fundamentals behind a new generation of software-driven smart automated UVGI devices and how they could be used to complete the sterilization process of operating rooms, patient rooms and hospital bathrooms. Automated systems have been widely adopted in other areas of healthcare to mitigate human errors. When commenting on the future of nosocomial infection control in 1998, Dr Robert Weinstein wrote: “Given the choice of improving technology or improving human behavior, technology is the better choice.”

TRACK 8B  PRESSURIZED STEAM HUMIDIFICATION DESIGN CONSIDERATIONS WITH FOCUS ON HEALTHCARE

Speaker:  Philip Lilja, Product Manager, DriSteem Corporation, Eden Prairie, MN
Moderator:  Allan Kelly, CHES Ontario Chapter Chair

Whether applying humidification for the first time or considering a change to an existing humidification system, this session covers the design considerations needed for a successful implementation. Focus will be on pressurized steam humidification systems in health care facilities. Learn why humidification is important, how much humidification is required, and what types of products are available. In addition, learn common installation and/or operational problems that occur and how to resolve them.

1415-1500  TWO CONCURRENT SESSIONS 9A & 9B  Ballroom A (Delta)

TRACK 9A  MAINTAINING THE ENVIRONMENT OF EXCELLENCE IN HEALTHCARE FACILITIES – AN INFECTION AND CONTROL PERSPECTIVE

Speakers:  David Leblanc, P. Eng., Engineer, Infrastructure Management, Nova Scotia Department of Health and Wellness, Halifax, NS
Suzanne Rhodenizer-Rose, RN, BScN, MHS, CIC, Director, Quality, Patient Safety and Infection Control Nova Scotia (IPCNS), Nova Scotia Department of Health and Wellness, Halifax, NS
Kim Allain, RN, BScN, MHS, CIC, Provincial Infection Control Consultant, IPCNS, Nova Scotia Department of Health and Wellness, Halifax, NS

Moderator:  Denis Pellichero, Manager, Infrastructure Management, Nova Scotia Department of Health, Halifax, NS

An environment of excellence includes one that protects patient safety. A core concept in keeping patients safe is the prevention and control of healthcare-associated infections (HAIs). With aging infrastructure, prioritizing maintenance and repair projects with a patient safety lens can be difficult to quantify. Existing organizations need to consider a systematic, proactive approach for the evaluation of their infrastructure condition which may contribute to the risk of HAIs. This presentation will discuss the impact of HAI’s in Canada, the creation and implementation of an evaluation tool which can inform the prioritization of these risks, and the lessons learned.
**THE IMPORTANCE OF VENTILATION AND PRESSURIZATION CONTROLS FOR CRITICAL HEALTHCARE APPLICATIONS**

**Speaker:** Don MacDonald, Canadian General Manager, Phoenix Controls, Acton, MA  
**Moderator:** Robert Barss, Manager, Facility Services, South Shore District Health Authority, Bridgewater, NS

Infection control in hospitals is critical not only for patient recovery but also staff and visitors within the facility. This session will look at the challenges and impact of poor ventilation controls in healthcare facilities and will identify how to achieve and maintain ventilation and pressurization. We will look at critical spaces that require accurate environmental control and the design applications for spaces such as operating rooms, airborne infectious isolation rooms, protective environments, pharmacies as well as patient rooms. Alternatives to traditional design will be presented with emphasis on proper ventilation rates, maintaining sterile zones and room pressurization. The presentation will explain how control sequences and technologies can improve patient experience while generating energy savings and achieving operational efficiency.

1500-1530  
Refreshment Break

1530-1630  
**“LESSONS LEARNED”**

**Speakers:** Craig Doerksen, Divisional Director, Health Sciences Centre, Winnipeg, MB  
Roger Holliss, Director of Engineering and Biomedical Services, St. Mary’s General Hospital, Kitchener, ON  
JJ Knott, Director, CET, HMT, CEM, CDSM, Project Lead, Healthcare Energy Leaders Ontario, Director, Plant Operations, Norfolk General Hospital, Simcoe, ON  
Mitch Weimer, Director, Plant Services & Operations, Fraser Health Authority, New Westminster, BC

**Moderator:** Barry Hunt, President, Class 1 Inc., Cambridge, ON

The closing event will be a dynamic, interactive, informative and fun panel discussion summarizing the key lessons learned from CHES 2014. This is your chance to hear our experts’ perspective, and to discuss the practical implementation, of key ideas presented at this year’s conference with recognized leaders in our field from across the country. Take in the closing session to take away a “to do” list such that you can start to implement the many ideas you will discover during the conference. This session will ensure that all attendees can make plans to transform your stay in Saint John into positive actions that will enhance the patient experience in your own building.

1630-1700  
**CLOSING CEREMONIES**  
Peter Whiteman, President, Canadian Healthcare Engineering Society  
Ralph Mayfield, Chair, 2014 Organizing Committee  
Preston Kostura, Chair, 2015 Organizing Committee
CHES and CSA are collaborating to bring an exciting post-conference workshop to the attendees at the CHES 2014 Conference in Saint John, NB. This workshop will help attendees develop plans to ensure their healthcare buildings are operating as safely and efficiently as possible. Proper operation and maintenance of a health care facility is essential to the safety of patients, visitors and personnel and to ensure effective use of limited healthcare financial resources. For maximum safety, efficiency and effectiveness, operation & maintenance (O&M) functions should be managed by trained and qualified personnel using a well-organized and documented system. CSA Z8002-14 Operation and Maintenance of Health Care Facilities provides essential requirements and establishes a framework for O&M procedures.

Federal bill C-45, the legislation that amended the Canadian Criminal Code in March of 2004. Establishes legal duties for workplace health and safety, and imposes serious penalties for violations that result in injuries or death. Bill C-45 makes it possible to prosecute a hospital and its directors, officers, physicians and employees for criminal negligence, where a person suffers bodily harm or death relating to circumstances where the hospital and person(s) knew or ought to have known that there was a danger to a patient, visitor or staff member and they “showed wanton and reckless disregard” for the person’s safety.

This one-day workshop will feature a detailed introduction to the CSA Z8002-14 standard in the morning, followed by practical application of this standard in combination with other well-known healthcare facilities standards. We will explore:

1. Plumbing – Apply the CSA Z8002 standard to not only ensure compliance with CSA Z317.1 but also build the foundation to be in compliance with the proposed ASHRAE standard 188P to reduce the risks of legionella growth in building water systems.

2. Medical Gas - Look at real world applications of the Medical Gas standard CSA Z7396.1 and how to apply it in your facility. We will look at the new Medical Gas Personnel Certification and the need for an identified qualified person in every healthcare building.

3. HVAC – Not only can poor indoor air quality adversely impact building occupant’s health, it can create clinically dangerous conditions. Learn about the key touch points and how to apply them to your HVAC system.
Kim Allain, RN, BScN, MHS, CIC

Kim Allain is the Provincial Infection Control Consultant for Infection Prevention and Control Nova Scotia (IPCNS) in the Health Systems Quality branch of the Nova Scotia Department of Health and Wellness. The mandate of IPCNS is to contribute to enhanced coordination, integration and consistency in infection prevention and control (IP&C) practice across health care provider organizations, as well as collaboration amongst other government departments and service providers. Kim is a graduate from the Dalhousie University School of Nursing, and holds a Masters in Health Studies. Kim began her career in infection prevention and control in 2002 as an Infection Control Practitioner in an acute care tertiary, teaching facility. She has been board-certified in infection control and epidemiology (CIC designation) since 2005. Kim is currently President of IPAC Nova Scotia, a Chapter of IPAC Canada and recently served on the Scientific Program Committee for the IPAC Canada 2014 National Conference.

Gordon Burrill, P.Eng., FASHE, CHFM, CHC

Gordon D. Burrill, is President of Teegor Consulting Inc., an international consulting firm specializing in healthcare engineering and construction. He spent 13 years as a design engineer, followed by 7 years as the Director of the Engineering for a New Brunswick Health Authority in Canada before branching out to Teegor Consulting Inc. in August of 2004. He is a Registered Professional Engineer with 25 years experience in the design, construction, operations and maintenance of healthcare facilities. He is member of Standing Committee on Building and Plumbing Systems to the Canadian Commission on Building and Fire Codes, a member of the Canadian Society for Civil Engineering, a member of the National Fire Protection Association’s Health Care Section, a former Council Member of the International Federation for Hospital Engineers and Past President of the Canadian Healthcare Engineering Society. Gordon is currently the vice-chair of the Canadian Standards Association’s Technical Committee for Health Care Facility Engineering and Physical Plant, chair of their Technical Subcommittee for Infection Control during Construction, Renovation or Maintenance of Health Care Facilities and vice-chair of their Technical Subcommittee for Design and Construction of Canadian Healthcare Facilities.

Normand Brais, P. Eng., Ph. D.

Normand Brais holds a PhD in Nuclear Engineering from Polytechnique of Montreal. He began as a Professor of advanced thermodynamics at the Institute of Energy Engineering and soon turned into a technological entrepreneur. He has founded several companies in fields as various as atmospheric pollution, biomass combustion, water legionella disinfection, laser photonics, and air/surface disinfection.

In 1995 he founded Sanuvox Technologies, which is now a worldwide leader in air and surface disinfection for hospitals and offices using germicidal ultraviolet irradiation.

Dr. Brais is a board member of Univalor, a non-profit organization whose mission is to guide university professors in the commercialization of breakthrough technologies. He is also President of the Polytechnique Alumni Foundation and serves as Treasurer for the United Nations Association in Canada Greater Montreal.

Dr. Elizabeth Bryce

Dr. Elizabeth Bryce is the past co-chair of the Canadian Nosocomial Infection Surveillance Program, the co-Director of PICNet, and has been involved in the field of infection prevention and control for the last 20 years. She is dually qualified in Medical Microbiology and Internal Medicine and is a Clinical Professor at the University of British Columbia. Together with colleagues at UBC, Elizabeth has worked closely with the World Health Organization, and the Pan American Health Organization in designing, implementing, and evaluating interventions to build capacity in infection control and occupational health programs in Ecuador, South Africa and Trinidad/Tobago. Dr. Bryce is one of the founding members of the UBC Certificate in Infection Control as well as several on-line educational modules on this topic.
SPEAKERS

Susan Carr

Susan is a former pancreatic cancer patient and retired civil servant in human resource management with the Alberta Government. She has been volunteering at the Cross Cancer Institute for the past six years, and chaired the committee that was responsible for the development of the healing garden at the Cross Cancer Institute in Edmonton, Alberta.

Richard Dixon

Richard Dixon is President of R&C Dixon Consulting Ltd. which provides consulting services to Canadian and international health care facilities. Richard has 32 years of experience in administration, planning, design, construction, commissioning and infection control of health facilities in Canada, China, Egypt, Qatar, Russia and Vietnam. In addition, Richard is the current vice chair of the CSA Infection Control during Construction, Renovation or Maintenance in Health Care Facilities Committee (Z317.13), a member of the CSA Health Care Facilities Committee (Z8000-11), a member of the CSA Health Care Technical Committee, a member of the CSA Plumbing Committee (Z317.1) plus teaches infection control and design sessions to hospitals, consultants and contractors throughout Canada. He is also a member of the Canadian Healthcare Engineering Society and Deputy Chairperson of Chair Canada.

Currently Richard lives in Vancouver, BC but his experience and knowledge has a global reach.

Craig Doerksen, CFM, CEM, MFM, P. Eng.

Craig B. Doerksen, CFM, CEM, MFM, P.Eng has been the Divisional Director for Facility Management at the flagship hospital for the Winnipeg Regional Health Authority - Health Sciences Centre since 2004. His role, encompassing all 28 buildings, 3.3 million sq.ft. of healthcare buildings, ensures that the maintenance, security, housekeeping, energy plant, engineering and related support services put Patients First.

Art Doramajian, P. Eng., M. Eng.

A professional engineer, Art Doramajian obtained his Bachelor of Engineering degree from Concordia University in Montreal in 1988. Two years later, Art received his Master’s degree in Engineering where he focused his research on Energy Efficiency in Office Buildings.

Following two years at Ontario Hydro’s Demand-Side Management program, Art was Senior Engineer and in charge of Performance Contracting at Honeywell Ltd in Quebec before establishing EI Solutions Inc. in 1997. For over 5-years, EI Solutions specialized in “design/build” energy conservation retrofits in recreational facilities across North America.

After numerous desiccant dehumidification installations, EI Solutions agreed in 2002 to represent the Munters Corporation across Canada for Commercial Desiccant Dehumidification sales. EI Solutions/Munters is recognized as the industry leader in commercial applications for desiccant dehumidification products.

Kristin Grimard, BEnv, MLA, AALA, CSLA

Kristin Grimard is a Senior Landscape Architect with EDA Collaborative, a national landscape architectural firm with offices in Edmonton and Toronto. She is a graduate from University of Manitoba’s Environmental Design program with a Master of Landscape Architecture.

Kristin has over a decade of planning experience in landscape architecture, urban design and environmental planning. She has applied her innovative design and planning skills to a variety of projects across Canada, ranging from park and open space planning and design to tourism planning and wayfinding strategies, streetscape development, institutional design, and trail system planning and design. She has a particular interest in environmental sustainability and accessible design, and has won an award for “innovation in the context of universal design values”.

Craig has been with HSC since 1991 in various support and management roles. Prior to this he was active in Canada and the US in medical gas testing and consulting.

Kristin has over a decade of planning experience in landscape architecture, urban design and environmental planning. She has applied her innovative design and planning skills to a variety of projects across Canada, ranging from park and open space planning and design to tourism planning and wayfinding strategies, streetscape development, institutional design, and trail system planning and design. She has a particular interest in environmental sustainability and accessible design, and has won an award for “innovation in the context of universal design values”.

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Roger Holliss, P. Eng.

Roger Holliss is the Director of Engineering, Redevelopment, Bio-Medical Services, Parking & Security for St. Mary's General Hospital. During his 14 years at St. Mary's, including four years as the integrated Engineering Director for the two hospitals within Kitchener-Waterloo, he was able to develop and hone an healthcare leading infrastructure information management system that put the hospitals back in control of their assets and information systems. Roger Holliss brings to these organizations the academic qualification of a combined Mechanical Engineering & Mgt. degree from McMaster as well as a Master of Engineering out of the University of Western Ontario. Upon receiving his P. Eng designation for the Province of Ontario, he has learned and applied optimization and change management techniques though a number of both private and public industry sectors ranging from highly customized electronic filter manufacturing to high volume printing, logistics and now healthcare.

Saeid Izadpanah, P. Eng., M.Sc. LEED, AP, BD+C

Saeid has over 28 years of experience in the electrical consulting industry. In his capacity as an electrical engineer, he has worked on a wide variety of projects including industrial, institutional, commercial and residential facilities. His responsibilities include feasibility studies and conceptual design, client and project management, cost estimation, detailed design and specifications, on-site coordination and inspection, building evaluations and instrumentation and control systems.

As the Building Engineering Health Care Sector Lead Saeid works on all Health Care proposals, prepares budgets and arranges project teams, oversees the work of engineering team and ensures that Health Care projects are delivered within scope, budget and time table to the satisfaction of clients.

Ted Kusz, B. Sc.

Ted Kusz holds a Bachelor of Applied Science Degree in Chemistry from the University of Waterloo. He is the Vice President and Sales Manager of Klenzoid Canada and Eldon Water which provide Industrial Water Treatment product and services across Canada and the Great Lakes Region of the United States. Healthcare represents one of Klenzoid Eldon Water's largest and fastest growing market sectors.

Over Ted’s career he has participated in numerous presentations and training sessions on the topic of Legionnaires Disease through his involvement with the Association of Water Technologies (AWT), the American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) as well as National Sanitation Foundation (NSF). He has also closely followed regulatory changes in the Province of Quebec and in the Ontario cities of Hamilton and London where evaporative cooling device owners are required to comply with varying maintenance, water care and reporting requirements.

David Leblanc, P. Eng, BSc

David Leblanc is a professional engineer working for the Nova Scotia Department of Health and Wellness (DHW). David received an Engineering degree from the Technical University of Nova Scotia, and a Science degree in Mathematics from Dalhousie University. Prior to working in the provincial government, David has been working in construction management positions for 20 years. Since joining DHW in 2009, David has been involved with multiple hospital addition, renovation and maintenance projects, as well as a number of nursing home projects. In 2011, David initiated the Infrastructure and Infection Control Evaluation (IICE) project with the Infection Prevention & Control Nova Scotia (IPCONS) team. David is a member of IPAC Canada and was an oral abstract presenter at the 2013 National IPAC Canada Conference in Ottawa. Among his current duties, David is working on a design guidance document for infrastructure to support delivery of primary health care in N.S.
Philip Lilja

Phil Lilja is a Product Manager of Humidifications Systems at DriSteem Corporation. He has held a variety of positions in the HVAC industry, including product and application development with Trane, and now DriSteem. Much of his experience has been related to control systems, from defining individual HVAC unit controls, to supporting system-wide applications for facility management. Phil is a watchdog for assuring a good customer experience, having done installer and end user training. He sees the critical need for proper application and installation of products that will lead to owners and operator satisfaction.

In his current role at DriSteem, Phil is responsible for product planning and execution throughout the product life cycle, from concept through obsolescence. Phil conducts market research and analysis to identify and quantify new product opportunities and product line changes, and find new applications for humidification systems.

Don MacDonald

Don has more than 35 years experience in the HVAC industry. He is a graduate of Ryerson University in Toronto with specialization in control systems technology. Before joining Phoenix Controls in 1993 he was with Johnson Controls for 16 years. Don is currently the Canadian Regional General Manager.

Don has been involved with many different healthcare, laboratory, vivarium, bio-containment and pharmaceutical projects across North America. His experiences will provide some valuable insight into design standards, customer needs and unique requirements for these complex facility ventilation control applications.

Don is a member of the Canadian Hospital Engineering Society, International Society of Pharmaceutical Engineers, ASHRAE, Canadian Council of Public Private Partnerships, Canadian Association Laboratory Animal Sciences and the Canadian Professional Sales Association.

Brock Marshall

Brock Marshall is the Director of Engineering and Operations for all sites at The Ottawa Hospital (TOH). He is responsible for all maintenance and operations and a significant amount of development and renewal. Under Brock's leadership of the Green Team TOH was the recipient of the 2005 Ontario Hospital Association's award for Energy Management and also awarded the Practice Green Health Partner for Change award in 2010, 2011 and 2012, 2013 and 2014, the Association of Energy Engineers International Project of the year award in 2010, Health Achieve Green Health Leadership Award for 2010 and the 2012 OHA water conservation and protection award.

Francesco Nardone, LEED, AP, BD +C

Francesco Nardone received his Master’s Degree in Electrical Engineering from the University of Cassino, (Italy) in 2005. He has been working in buildings engineering at Stantec for the past seven years.

Francesco’s main focus has been on healthcare projects, assisting clients and users with the design and planning of electrical and low voltage systems for new and existing hospitals.

Some of the larger projects he has been involved in include: the Waypoint Mental Health Centre, the new Oakville Hospital, the new Milton District Hospital, and a number of other healthcare facilities in Ontario.

Francesco leads one of the electrical teams and supervises design project teams. He has experience in power distribution system designs, fire alarm system designs, lighting designs, communications and security.
Harry Pliskin

Harry Pliskin is President of TransVac Systems LLC - the world leader in automated waste, recycling and soiled linen handling systems for hospitals in the US and abroad (www.transvacsys.com). Previously, Harry was founder and CEO of TeleWeb Worldwide, one of the first business process outsourcing companies focused on providing services from locations around the world. Harry graduated Phi Beta Kappa with a B.A., Economics and J.D. from George Washington University.

Joanne Read

Joanne Read is Vice-President of Planning and Support Services at The Ottawa Hospital. Joanne joined the hospital in 2009 following a 20-year career in the private sector. Joanne is a Certified Professional Accountant (CPA) and is currently doing her Executive Master of Business Administration, scheduled for completion in 2015.

Suzanne Rhodenizer-Rose, RN, BScN, MHS, CIC

Suzanne Rhodenizer-Rose is a Registered Nurse by profession and is currently the Director of Quality, Patient Safety and Infection Prevention & Control Nova Scotia at the Nova Scotia Department of Health & Wellness. With a nursing diploma from the Aberdeen School of Nursing and a Bachelor of Science in Nursing from St. F.X University, her nursing career has spanned over two decades with experience in medical-surgical, cardiac special care, & emergency nursing as well as occupational health, infection control, and nursing management. She completed graduate studies at Athabasca University obtaining her Master of Health Studies in 2013. Suzanne has spent the majority of her nursing career in infection prevention and control, which is her passion, and has her board certification in Infection Control and Epidemiology. She is also the Canadian board liaison for the Certification Board of Infection Control and Epidemiology. Suzanne has held numerous board positions in IPAC Nova Scotia including chapter president and is currently President-elect of IPAC Canada. She lives in St. Margaret’s Bay, Nova Scotia and in her spare time can be found on the lake shores of Kejimkujik National Parc protecting & tracking endangered Blanding’s Turtles (her other passion!).

Eleanor Rivoire

Eleanor Rivoire is a senior healthcare executive with more than 30 years of experience within the clinical, education and administrative domains of professional practice. She has a keen interest and expertise in transforming the patient experience with a focus on patient- and family- centred care and patient engagement, as well as with models of interprofessional practice and education. She is engaged in managing changes that bring about policy and process improvements within healthcare and professional practice, and result in improved quality and safety outcomes.
Robert Savage

Robert (Bob) has been responsible for the redevelopment at the Waypoint Centre for Mental Health Care since 2008, coordinating all the activities of the pursuit process, design, evaluation, construction and move/transition. Bob began his health care as Director of Engineering with Extendicare Health Services and progressively worked his way to becoming Vice-President of Planning and Hospital Services of Royal Victoria Hospital during their redevelopment process culminating in the opening of their new facility in 1997.

Since that time, Bob formed his own company and has consulted on many Hospital redevelopment projects in the Province including Peterborough Regional Health, William Osler, Ross Memorial Hospital, and the new Sault Area Hospital.

His experience with Infrastructure Ontario, the Ministry of Health and Long Term Care and AFP projects in general, has been beneficial in the delivery of the Waypoint redevelopment.

Bob has a Bachelor of Science degree in Civil Engineering from University of New Brunswick and is a Professional Engineer.

Janet Stout, PhD

Dr. Janet E. Stout is the director of Special Pathogens Laboratory and research associate professor at the University of Pittsburgh Swanson School of Engineering in the Department of Civil and Environmental Engineering. A clinical and environmental microbiologist, Dr. Stout is recognized worldwide for more than 30 years of pioneering research in Legionella. Her expertise includes prevention and control strategies for Legionnaires' disease. Toward that end, she has evaluated all major Legionella disinfection technologies in use today and continues to explore new approaches for Legionella detection and control. An advocate for prevention, Dr. Stout assisted in developing the first Legionella prevention guideline in the United States, which has been adopted as a model by national and global health agencies and organizations. She also serves on the Legionella standard committee for the Cooling Technology Institute and on ASHRAE committees for Legionella Guideline 12 and the proposed Legionella standard.

Bernard Tong, BA (Arch Studies), B. Arch., AAA, MAPM

Bernard has managed the design and construction of health facilities projects for over 30 years. His career is built on working with Alberta Health Services, Alberta Public Works, Supplies & Services, Alberta Hospitals & Medical Care and his consulting practice.

Bernard is a Project Manager with Alberta Health Services in Edmonton. He is responsible for consultant and contractor procurement and project execution in the University of Alberta Hospitals, an acute care teaching hospital complex with 315,000 sqm gross floor area in six buildings.

He delivered his first paper entitled “Design for Health” at the 1988 RAIC Annual Conference in Winnipeg. Bernard collects rangefinder and bellows cameras and enjoys visiting UNESCO World Heritage Sites. His travel photos were displayed in the University of Alberta Hospitals in May 2014.

Bernard is a Registered Architect of the Alberta Association of Architects, a member of Association for Project Management in UK and a member of CHES.
Anthony Twyman has been with the University Health Network Infection Prevention and Control team since 2008. He is a certified Infection Control Practitioner with a Bachelor of Science from McMaster University. His areas of expertise include Transplant, General Internal Medicine, Construction and Environmental Services. He is currently co-chair of the Environmental Services Task Force under the supervision of the Committee for the Elimination of Hospital Acquired Infections.

Mitch Weimer has more than 25 years combined engineering, maintenance and construction experience with over fifteen years in a senior leadership role with Fraser Health Authority and Lower Mainland Facilities Management. Mitch holds a Masters’ Degree in Leadership a Bachelors’ Degree from UBC and an Engineering diploma. He also holds BC and Interprovincial Certificates as a 4th Class Power Engineer and a Refrigeration Operator. These attributes, along with his professional leadership, have enabled him to succeed in the ongoing development of one of Canada’s largest Maintenance and Operations portfolios. He shows passion, flexibility and strategic vision along with the desire to foster change to ensure the continued evolution of the department.

Some of his professional roles have been:
- Director, Facilities Maintenance and Operations - LMFM FHA Region - 4 years
- Director, Plant Services and Construction – Fraser Health Authority - 4 years
- Manager, Plant Services and Construction - Royal Columbian Hospital - 7 years

Mitch is also an active volunteer; he became active in the BC Chapter of the Canadian HealthCare Engineering Society in 2007. With CHES BC Mitch served in a multitude of roles which included 4 years as BC President and culminated in his election to Vice President of CHES National this past year. This is a 6 year commitment which will see him taking on the role of President in September of 2015. Mitch also volunteers with the Canadian Standards Association as a voting member with CSA’s Technical Committee (TC) on Physical Plant in Healthcare. In addition to his role with the T.C., he also sits on several technical standards development committees. Mitch also volunteers on the CEO’s Industry Advisory panel for the British Columbia Safety Authority, where he represents the Healthcare Sector in a multidisciplinary team of industry leaders who provide strategic advice to the CEO of the BCSA.
The CHES 2015 National Conference will be held in Edmonton AB at the Shaw Conference Centre, September 20-22, 2015.

The theme of the 2015 conference is

"HEALTHCARE FACILITIES AND THE TECHNOLOGY HIGHWAY"

The CHES 2015 Education Program will once again be jam-packed with talks on relevant industry topics from high-profile experts in the field.

The 2015 Program will kick off with Keynote Speaker, Mr. Don Bell, co-founder of WestJet.

Our Conference will commence with the Opening Reception in the Exhibit Hall on Sunday September 20, 2015, join us for food, friends and fun!

Again, in 2015, we will be holding the Great CHES Golf Tournament on Sunday September 20, 2015 at Northern Bear Golf Course – A Jack Nicklaus Signature Course!

Join us for the CHES President’s Reception and Gala Banquet again in 2015! We will again celebrate the accomplishments of our peers at the Award Dinner.

We look forward to seeing you in Edmonton in 2015!
For more info visit our website at www.ches.org
Follow us on Twitter!