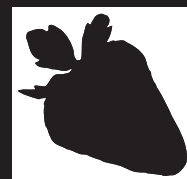




57th Annual Conference
September 30–October 3, 2007





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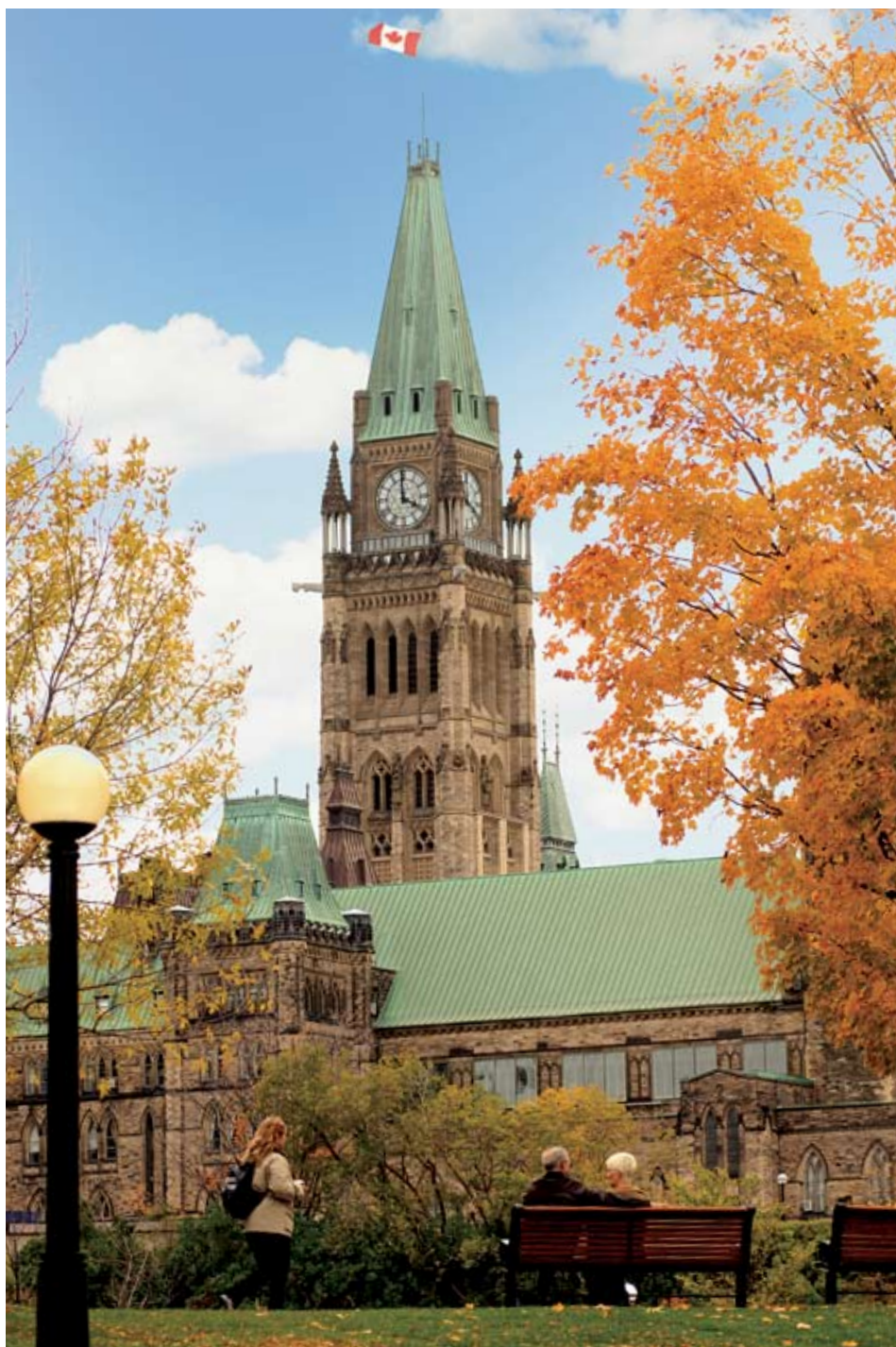
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CONTENTS

<i>President's Message</i>	2
<i>Co-chairs' Message</i>	3
<i>Schedule at a Glance</i>	4
<i>Host Committee</i>	6
<i>Board Members</i>	7
<i>Keynote Speaker</i>	8
<i>Plenary Speaker</i>	9
<i>In-Depth Session Presenters</i>	10
<i>Educational Programs</i>	14
<i>Entertainment</i>	18
<i>Business Partners</i>	22
<i>Exhibit Hall Map</i>	24
<i>Exhibitor Directory</i>	26

“ I learn a lot from the informal process of networking before and after the educational sessions. The experiences offered by others are so valuable. You quickly realize that your issue may have been dealt with at another campus and the innovative solutions shared may be adapted and applied at your own institution. ”

Leon Bivens
University of Maryland/Eastern Shore



ERAPPA PRESIDENT'S MESSAGE



Welcome to ERAPPA's 57th Annual Meeting in Canada's majestic capital city of Ottawa. Your OAPPA Host Committee has done a superb job of planning and preparing an outstanding offering of educational, recreational, and cultural events and I encourage you to absorb as much as possible during the time you are here.

The theme for the Conference, *Capital Ideas for Sustainable Resource Management*, emphasizes the need for all of us to become better stewards of our global environment, and to start by focusing on the long-term best interests of our respective institutions and campuses. It is my hope and belief that you will find a wealth of information at this gathering, which will provide you with a better sense of the need for sustainable practices, ways to implement those practices, and a renewed commitment to sustainability as a way of life. In addition, you will find opportunities to attend sessions on a number of other cutting edge topics, including some new educational initiatives recently launched by APPA and ERAPPA.

But in the midst of all that educational enlightenment, I encourage you to also explore and thoroughly enjoy this magnificent city. Whether you are visiting Ottawa for the first time, the tenth time or live here, I am confident you will find something new and special. The Host Committee has provided a marvelous assortment of options designed to expose you to "the best of Ottawa." From golf, to campus tours complete with boat cruise, to high tea, steam train excursions, and visits to an historic artisan village...it's all prearranged. Or perhaps you would prefer to check out Ottawa on your own. But, whatever your choice, do not miss the climactic banquet Tuesday evening at the Canadian Museum of Civilization. It promises to be the absolute highlight of your visit to Ottawa.

Finally, and perhaps most importantly, find time to build, renew and strengthen relationships with all the attendees at this gathering. We come from different geographic areas and different chapters. We are institutional reps, business partners, first-time attendees, spouses and guests. We have each come here for different reasons and with different expectations, but we also each have something in common with one another. Take time to learn from one another and seek out those things we have in common. The relationships you form here can truly last a lifetime.

On behalf of the ERAPPA Board, I thank you for your support of this organization and your attendance at ERAPPA 2007 in Ottawa. Make it a memorable time!

Glenn Smith
President, ERAPPA

ERAPPA Co-CHAIRS' MESSAGE

Dear Conference Attendee,

The Ontario Chapter (OAPPA) is delighted to welcome you to Canada's capital city, Ottawa, for the ERAPPA 2007 Conference and the Host Committee is proud to be organizing this annual event.

The theme for this year's Conference, "Capital Ideas for Sustainable Resource Management", has provided a focus for the development of the educational program and the organization of the Conference. We believe that you will benefit from, and enjoy the thought-provoking education sessions, interesting and knowledgeable featured speakers, and social events.

We have prepared an educational program that provides 28 one-hour sessions on current topics related to Capital Ideas, Resource Management, Special (current) Topics, and Sustainability; with seven of these sessions being pursued for Continuing Education (CEU) credits. In addition to these sessions, we are also providing two in-depth workshops on Stewardship of Building Envelopes and Searching for Excellence Using APPA's Facility Performance Indicators. The umbrella theme for this year's Conference is "Sustainability" and during the Conference we will have the opportunity to learn about proven and new approaches to achieving sustainable operations at Universities and Colleges. We will also have a chance to participate in the sustainable operation of a regional Conference.

Our Exhibit Hall offers more than 80 booths which will be staffed with enthusiastic Business Partners who are eager to meet you and your colleagues to explore ways that we can improve the operation of our Campuses and we encourage you to take the time to meet our Business Partners.

Please enjoy the Conference and our beautiful capital city, Ottawa. If there is anything that the Host Committee can do to help you, please just stop one of our Committee Members wearing the red shirts and we will be more than happy to assist you.

Warm regards,

Darryl K. Boyce

*Co-Chair, 2007 ERAPPA Conference
Assistant Vice-President,
Facilities Management and Planning
Carleton University*

Mario Bouchard

*Co-Chair, 2007 ERAPPA Conference
Director,
Physical Resources Service
University of Ottawa*

SCHEDULE AT A GLANCE



Friday, September 28

7:30 am–5:00 pm

ERAPPA Board Meeting

Ottawa Marriott Hotel, 27th Floor Sussex Salon

6:00 pm–10:00 pm

ERAPPA Board, ERAPPA
Committees, 2007 and 2008
Host Committee Dinner

Ottawa Marriott Hotel, 27th Floor Mackenzie Salon

Saturday, September 29

8:00 am–4:45 pm

ERAPPA Board and
Committee Meetings

Ottawa Marriott Hotel, 27th Floor Mackenzie Salon

1:00 pm–6:00 pm

Registration

Crown Plaza Hotel, Lower Lobby

5:30 pm–7:30 pm

President's Reception
(by invitation only)

*Crowne Plaza Hotel, Penthouse Level
Foyer and Panorama Room*

Sunday, September 30

6:00 am–3:00 pm

Golf Tournament

Stonebridge Golf Club

9:00 am–8:00 pm

Registration

Crowne Plaza Hotel, Lower Lobby

10:45 am–4:00 pm

University Tours & Boat Cruise

*Carleton University and University of Ottawa
(Lunch Included)*

11:30 am–3:30 pm

High Tea and Tour at the National
Gallery of Canada (Lunch Included)

12:00 pm–5:00 pm

Exhibit Hall Move In / Set Up

Crowne Plaza Hotel, Lower Lobby

5:00 pm–6:00 pm

First Time Attendee Reception

*Crowne Plaza Hotel, Penthouse Level
Panorama Room*

6:00 pm–8:00 pm

Exhibition Hall Grand Opening
Reception

Crowne Plaza Hotel, Lower Lobby

Monday, October 1

6:30 am–6:00 pm

Registration

Ottawa Marriott Hotel, 2nd Floor

6:45 am–7:45 am

Breakfast

Ottawa Marriott Hotel, 2nd Floor, Victoria Ballroom

7:45 am–8:15 am

Welcoming Remarks

Ottawa Marriott Hotel, 2nd Floor Victoria Ballroom

8:15 am–9:15 am

Keynote Presentation:

Dr. David Suzuki

Ottawa Marriott Hotel, 2nd Floor Victoria Ballroom

8:45 am–4:00 pm

Steam Train and Gatineau Park Tour

Wakefield, Province of Quebec (Lunch Included)

9:00 am–5:00 pm

Exhibit Hall Open / Networking

Crowne Plaza Hotel, Lower Lobby

9:15 am–10:30 am

Refreshment Break

Exhibit Hall, Crowne Plaza Hotel, Lower Lobby

10:30 am–11:30 am

Education Session I

Ottawa Marriott Hotel, Lower Level

11:30 am–1:30 pm

Networking Lunch

Exhibit Hall, Crowne Plaza Hotel, Lower Lobby

“Whether it is an educational session on a multi-million dollar project delivery or a new way to deliver custodial services, there are always fresh approaches and techniques that I can walk away with and apply to my own institution.”

Michael Kukawa
Slippery Rock University



1:30 pm–2:30 pm

Education Session II

Ottawa Marriott Hotel, Lower Level

2:30 pm–3:30 pm

Refreshment Break

Exhibit Hall, Crowne Plaza Hotel, Lower Lobby

3:30 pm–4:30 pm

Education Session III

Ottawa Marriott Hotel, Lower Level

4:30 pm–5:30 pm

Chapter Meetings (Optional)

Ottawa Marriott Hotel, Suite 522

7:00 pm–11:00 pm

Top of the Capital Party

Networking Reception/Dinner

Ottawa Marriott Hotel, Merlot Revolving Restaurant

Tuesday, October 2

6:30 am–4:30 pm

Registration

Ottawa Marriott Hotel, 2nd Floor

6:45 am–8:00 am

Breakfast

Exhibit Hall, Crowne Plaza Hotel, Lower Lobby

8:00 am–8:15 am

Welcoming Remarks

Ottawa Marriott Hotel, 2nd Floor, Victoria Ballroom

8:15 am–9:15 am

Plenary Presentation:

Dr. David Sinclair

Ottawa Marriott Hotel, 2nd Floor, Victoria Ballroom

9:30 am–3:00 pm

Artisan Village and

Glass Blowing Studio

Historic Merrickville

9:15 am–10:15 am

Educational Session IV

Ottawa Marriott Hotel, Lower Level

10:15 am–11:00 am

Refreshment Break

Exhibit Hall, Crowne Plaza Hotel, Lower Lobby

11:00 am–4:00 pm

Exhibit Hall Tear Down / Move Out

Crowne Plaza Hotel, Lower Lobby

11:00 am–12:00 pm

Educational Session V

Ottawa Marriott Hotel, Lower Level

12:00 pm–1:45 pm

Lunch & Annual Business Meeting

Ottawa Marriott Hotel, 2nd Floor, Victoria Ballroom

1:45 pm–2:45 pm

Education Session VI

Ottawa Marriott Hotel, Lower Level

2:45 pm–3:15 pm

Refreshment Break

Ottawa Marriott Hotel, Lower Level

3:15 pm–4:15 pm

Education Session VII

Ottawa Marriott Hotel, Lower Level

5:15 pm

Bus Departures to Canadian

Museum of Civilization Commences

5:15 pm–6:45 pm

Awards Reception

The Canada Hall Exhibit, Canadian Museum of Civilization

6:45 pm–7:30 pm

Awards Presentations

The Grand Hall, Canadian Museum of Civilization

7:30 pm–12:00 pm

Awards Banquet & Dance

The Grand Hall, Canadian Museum of Civilization

Wednesday, October 3

7:00 am–8:00 am

Walk/Run Along the Ottawa River

Crowne Plaza Hotel, Lower Lobby

8:00 am–10:00 am

Breakfast –

Delegates & Spouses / Guests

Ottawa Marriott Hotel, 2nd Floor, Victoria Ballroom

9:00 am–11:00 am

Host Committees 2007 / 2008

/ 2009 Breakfast and “Lessons

Learned” Meeting

Ottawa Marriott Hotel, Lower Level, Cartier I Salon

11:00 am–2:00 pm

ERAPPA Board of Directors:

Newly Elected

Ottawa Marriott Hotel, 27th Floor Sussex Salon

FOR ALL EVENTS, BUSES WILL
DEPART FROM THE LOWER
LEVEL OF THE CROWNE PLAZA

Host Committee



Mario Bouchard
Host Committee Co-Chair



Darryl Boyce
Host Committee Co-Chair

“ The networking opportunities at ERAPPA are tremendous. I always come back from this conference strengthened by the fact that I’m not alone in dealing with my institution’s challenges and am inspired by the way in which my peers have conquered their problems. ”

Robert Morro
Villanova University

Conference Co-Chairs

Mario Bouchard
Darryl Boyce

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Business Partners

Tony Cupido (Co-Chair)
Herb Dean (Co-Chair)
Darryl Boyce
Ian Kennedy

Communications, Marketing and Registration

Anne Babcock (Co-Chair)
Ron Dupuis (Co-Chair)
George Corluka
Adrian Fagan
Kevin Gallinger
Janet Hanna
Elena Pizzo

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Darryl Boyce
Dan Castellan
Pierre de Gagné
Dennis Hastings
Gary McMann
Jonathan Rausseo
Philip Rouble
Mike Rushton
Scott Scheel

Entertainment/Special Events/Spousal Program

Kevin Gallinger (Chair)
Francine Boyce
Janet Hanna
Denis Bisson
Jennifer Kearns
Meziane Zeroual

Finance

Janet Hanna (Chair)
Denis Bisson
Darryl Boyce

Hotel Arrangements and Food

Darryl Boyce (Chair)
Anne Babcock

Golf

Denis Bisson (Chair)
Jacques Sauvé

Sustainability

George Corluka (Chair)
Jonathan Rausseo

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Jennifer Kearns

Conference Co-ordinator

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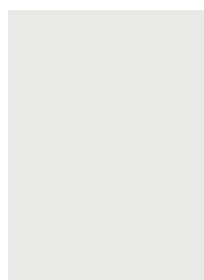
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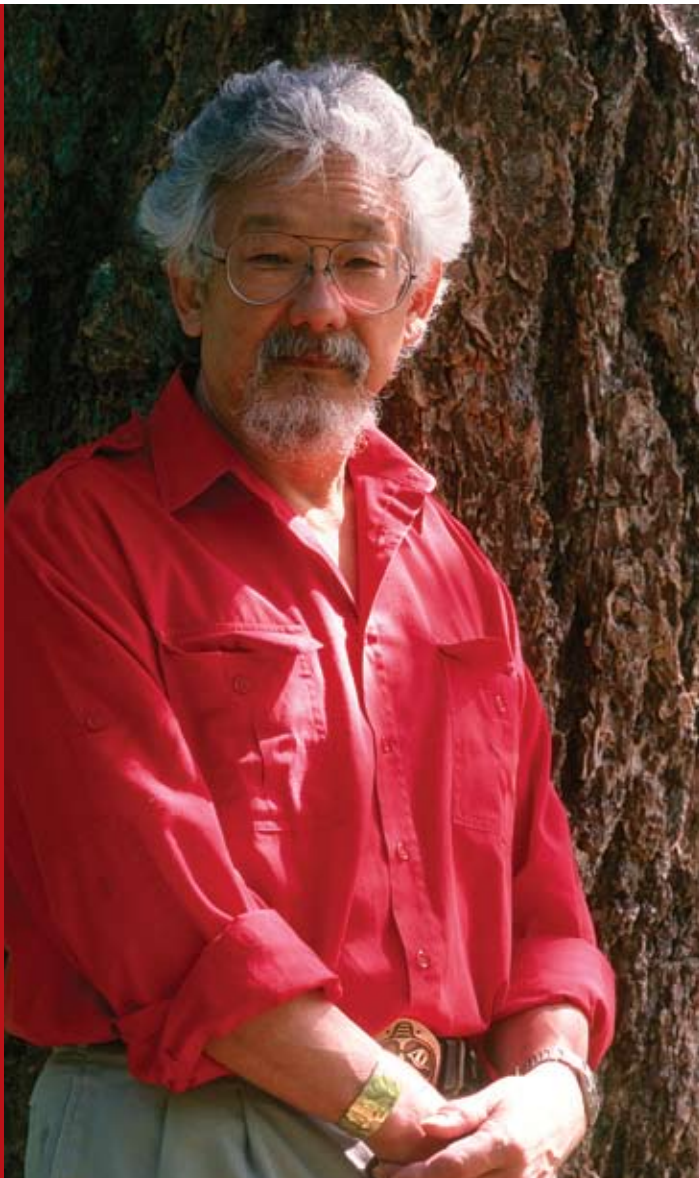
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Exhibit Hall Grand Opening
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KEYNOTE SPEAKER



Dr. David Suzuki is one of Canada's most recognizable and beloved public figures. An award-winning scientist, environmentalist, and broadcaster, his television appearances, most notably as host of the internationally-acclaimed *The Nature of Things*, explain the complexities of the natural sciences in a compelling and easily understood way.

Dr. Suzuki is recognized as a world leader in sustainable ecology and has received the Kalinga Prize for Science, the United Nations Environmental Medal and the Global 500. He has received twelve honorary degrees in Canada, the United States and Australia. He holds an Honours B.A in Biology and a Ph.D., in zoology from the University of Chicago, and is currently Assistant Professor in Zoology at The University of British Columbia and a member of the Sustainable Development Research Institute at that same school.

Dr. David Suzuki has made it his life's work to help humanity understand, appreciate, respect and protect the natural world. He is a gifted interpreter of science and nature. His keynote speeches provide audiences with a compelling look at the state of our environment, underscoring both the successes we have achieved in the battle for environmental sustainability, and the strides we still have to make if Earth will remain a welcoming home for all nature's creatures.

Keynote Speaker Sponsored by

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PLENARY SPEAKER



Dr. David Sinclair

Department of Physics, Carleton University

Deputy Director, Sudbury Neutrino Observatory

The recent discoveries at the Sudbury Neutrino Observatory (SNO) have attracted world acclaim. The results of this research have improved our understanding of elementary particle physics, solar physics, supernovae, and cosmology, but still leave many unanswered questions.

The initial research required the construction of a very large detector which needed to be located a considerable distance below the earth's surface, to filter the cosmic rays so that weak neutrino signals could be detected. The detector cavity was blasted out of solid rock two kilometers below the earth's surface and is 35 meters in height and 22 meters in diameter, roughly the size of a ten storey building.

The success with the large detector has created many questions:

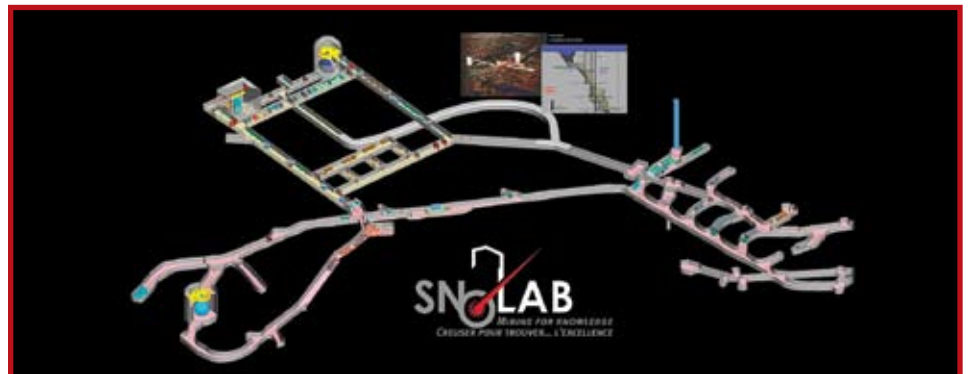
- The neutrino mass is too small to explain “dark matter”, so what is it?
- Why do neutrinos have a mass which is much smaller than any other known particle?
- Do we owe our existence to special neutrino properties?
- Can we see the neutrino produced in the earth and use this to determine the total radioactivity of the earth?

These are some of the areas to be probed through new experiments planned for an expanded deep underground research facility (SNOLAB). The expanded facilities will be similar to a 30,000 square foot building with two large research rooms, one at 50 feet x 50 feet x 50 feet high and the other a 50 foot diameter cylinder 50 feet high.

This talk will outline the scientific motivation for these studies and present some of the unique engineering, technical and construction challenges that had to be addressed to create these research facilities which will be used to unlock some of nature's most guarded secrets.

“The annual ERAPPA meeting provides me with a great opportunity to network with my peers. I continually meet new people who have varied experiences in the facilities field and are open to sharing their expertise and lessons learned.”

Leon MacLellen
St Francis Xavier



IN-DEPTH SESSION PRESENTERS

Session: Stewardship of Building Envelopes



Michael H. Brewer is currently the Director of Plant Operations for Muhlenberg College. Michael has over 25 years of higher education facility management experience in the development and maintenance of facilities and the physical plant. This includes the management and supervision of all physical facilities, grounds, housekeeping, physical plant improvements, utilities, and energy systems. He provides planning services to campus departments during the development of programmatic changes and is the project manager for all major construction and renovation projects. Michael's involvement begins with the early planning stage and follows through design development to project completion.



Jeffrey L. Erdly is the president and co-founder of *Masonry Preservation Services, Inc. (MPS)*, a specialty building façade repair contractor located in Berwick, Pennsylvania. A member of ASTM International since 1990, he is co-chairman of task group E 06.55.05, "Standard Practice for Periodic Inspection of Building Facades for Unsafe Conditions." Other ASTM International activities include the co-editing of both STP (Special Technical Publication) 1314, "Water Leakage Through Building Facades" and the new STP 1444, "Building Façade Maintenance, Repair and Inspection." Mr. Erdly is also a past president of the Sealant, Waterproofing and Restoration Institute (SWRI) and a member of the Association for Preservation Technology (APT).

Jeff has presented in excess of 100 technical seminars and original technical papers throughout the United States for organizations including APT, RCI, ASTM, The University of Wisconsin and MIT.



Eric M. Godfrey is a Principal and Project Executive with *CVM Facilities Renewal* where he is the principal in charge of some of the firm's largest design-build restoration projects. His responsibilities include initial condition assessment investigations, repair program development, cost estimating, project scheduling, negotiating sub-contracts, all communications with the Owner, and oversight of all construction related activities until project completion. In addition to his construction management duties, he has been an integral part of the development of CVM's Building Diagnostics Group. He has led the investigation and subsequent restorations of numerous significant structures in the Philadelphia, PA area.



Jeffrey Levine is President of *Levine & Company, Inc., Roof Consulting and Architectural Conservation*. Mr. Levine's responsibilities include condition assessments, leak investigations, construction documentation, and maintenance planning. He has served as Project Manager for over 200 restoration and rehabilitation projects, preservation plans, and maintenance programs for a large variety of building types, including academic, commercial, and ecclesiastical buildings. Mr. Levine's expertise in the field of slate roofing is nationally recognized. Mr. Levine has an M.A. in Historic Preservation Planning from Cornell University, has written numerous articles on slate roofing, including Preservation Brief No. 29 published by the National Park Service, is a founding Director of the National Slate Association, and is a member of the Historical and Architectural Review Board, Lower Merion Township, Pennsylvania.



David A. VanOcker is a Principal in *CVM Facilities Renewal*, where he manages a broad range of investigation, diagnostics, and repair/restoration programs delivered through design-build as well as traditional design/bid/build methods to institutional and commercial clients throughout the east coast of the US. Dave has over 26 years of experience specializing in building envelope systems and parking structures. He is active in the American Concrete Institute, Committee 364–Rehabilitation, Committee 546–Concrete Repair, and E706–Repair Application Procedures. He is a past president and director of the Delaware Valley Chapter ACI and past director and officer of the Philadelphia Section of the American Society of Civil Engineers.

“I’m always looking for educational opportunities that broaden my knowledge base and help me remain current in industry practices. ERAPPA’s annual conference always includes educational program offerings that are relevant, often ahead of the curve, and help me deal with my own institution’s challenges.”

Gordon Cheeseman
Colby College

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IN-DEPTH SESSION PRESENTERS

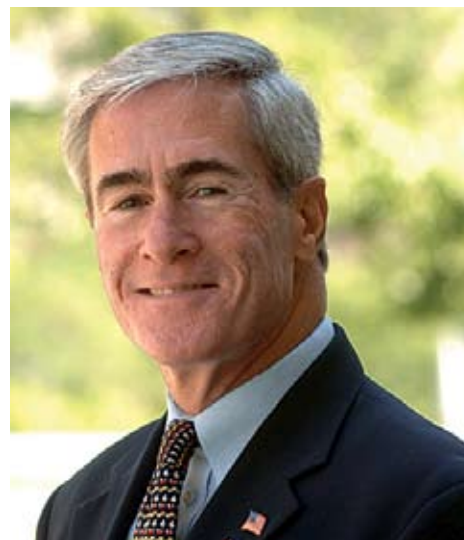
Session: Searching for Excellence Using APPA's Facilities Performance Indicators



Margaret P. Kinnaman is currently the Director for Business Administration and Support Services within the Facilities Management Division at the University of Maryland, Baltimore. Ms. Kinnaman is responsible for the financial tracking and budgeting for over \$30 million dollars annually and the provision of construction project accounting for over 400 projects annually. Ms. Kinnaman has taken the lead on numerous campus-wide special projects; to including creating a campus-wide space management system and chairing a System-wide Capital Renewal Deferred Maintenance Task Force. Maggie has been

“As a First Time Attendee last year, I was impressed by the networking opportunities, the quality of the education program and the ability to meet with so many exhibitors all at one conference. This is a *must attend* annual event for me now.”

Tom Yopp
Choate Rosemary Hall



Michael J. Sofield has an extensive facilities management background earned over a 30 year career. As Director of Facilities Planning and Operations for the National Museum of American History, he is responsible for the museums facilities master plan as well as the daily operations of one of the Smithsonian's largest museums. His past positions at the Smithsonian include serving as the Director of the offices of: Physical Plant; Facilities Reliability; and Protection Services. He is APPA's Vice-President for Information and Research where he is responsible for APPA's Facilities Performance Indicators program.

Internet Café Sponsored by



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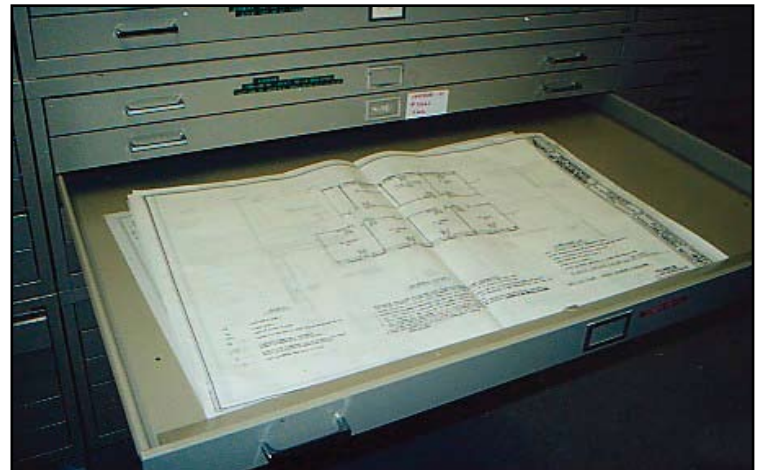
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EDUCATIONAL PROGRAMS

Programs for Monday, October 1, 2007

	Track 1: Capital Ideas (CI) in Cartier III room	Track 2: Sustainability (SU) in Laurier room
Session I 10:30 am to 11:30 am	<p>CI-1: The Art and Science of Capital Planning</p> <p>Thomas Coakley, St. Lawrence University Sal Chiarelli, University of Vermont James Kadamus, Sightlines</p> <p>While a facilities investment plan may be technically sound, its success is not assured without the support of the community. Learn how two universities used both the "art and science" of benchmarking to develop facilities initiatives, gain sustainable constituent support and shape their future.</p>	<p>SU-1: Raising the Bar at Big Green</p> <p>Stephen M. Campbell, Dartmouth College David Madigan, van Zelm Heywood Shadford Inc.</p> <p>Moving beyond LEED, Dartmouth College employs a new process—energy performance metrics—to guide the design, construction and evaluation of its buildings. A case study of a recent project will illustrate the process and the beneficial outcomes of this approach.</p>
Session II 1:30 pm to 2:30 pm	<p>CI-2: Life Cycle Toolkit for Buying Energy Intensive Equipment</p> <p>Pierre de Gagne, University of Ottawa</p> <p>This presentation will discuss practical tools that may be employed to analyse the total life cycle cost of energy intensive equipment. Topics covered include adding value through economic analysis, integrating life cycle analysis with the purchasing process and factoring in the long term cost consequences of investments.</p>	<p>SU-2: When "Green" Alternatives Make Sense: A Practical Approach to Sustainable Options in Existing Facilities</p> <p>Megan D. Hawk, Facility Engineering Associates Christopher P. Hodges, Facility Engineering Associates</p> <p>This presentation will evaluate sustainable replacement options available to existing buildings on the basis of total cost of ownership. We will analyze specific examples of green versus traditional systems and how they relate to the LEED-EB rating system and other rating systems. We will present case studies and show real numbers and real effects of implementing some of the most popular green alternatives.</p>
Session III 3:30 pm to 4:30 pm	<p>CI-3: The Business Case of Sustainability</p> <p>Rodney Wilts, Loop Initiatives Inc.</p> <p>There is a growing understanding that sustainability done right can deliver triple bottom line benefits (environment, economic, and social). This session will examine the business case for incorporating sustainability as a core element of facilities management including energy savings, increased productivity, enhanced reputation, risk-reduction and reduced absenteeism. In addition, training opportunities in this area will be explored.</p>	<p>SU-3: Waste to Energy: Landfill Gas</p> <p>Paul Chamberlin, University of New Hampshire</p> <p>The University of New Hampshire will use methane generated from a remote landfill site to provide fuel for its recently completed co-generation plant. Over 80% of the campus energy needs will be met from this renewable, carbon-neutral source. Technical, regulatory and green-house gas impacts will be discussed.</p>

Track 3: Resource Management (RM) in <i>Cartier I</i> room	Track 4: Special Topic (ST) in <i>Albert</i> room	Track 5: In-Depth Sessions (ID) in <i>Cartier II</i> room
<p>RM-1: Space Mining—A space management approach to sustainable success</p> <p>Phillip Rouble, Algonquin College</p> <p>A maturing space management process and innovative “space mining” techniques at Algonquin College have allowed the College’s facilities portfolio to shrink by 10% since 1990 while student enrolment has grown by over 70%. Space mining techniques allow institutions to extract increased capacity from existing space inventory. This presentation will present a roadmap to show facilities administrators how to access the hidden capacity reserves in classroom and lab space to position their institutions for sustainable success.</p>	<p>ST-1: Project Clean “Green”</p> <p>David L. DeHart & Diane Gravatt, Rutgers, The State University of New Jersey</p> <p>Rutgers University has done a review of seven major manufacturers’ “green” products. Criteria reviewed included: Green Seal certification, HMIS and NFPA health ratings, bio-based content, ingredients, chemical dispensing systems, training programs and product performance. The due diligence put forth by Rutgers will aid other institutions in their quest to go “green”.</p>	<p>ID-1, ID-2, ID-3: Stewardship of Building Envelopes</p> <p>Mike Brewer Jeffrey Erdley Eric Godfrey Jeffrey Levine David Van Ocker</p> <p>ALL DAY</p> <p>ID-1: 10:30 am to 11:30 pm ID-2: 1:30 pm to 2:30 pm ID-3: 3:30 pm to 4:30 pm</p> <p>This extended session is intended to educate facilities professionals in the art and science of designing and caring for building envelopes. Topics covered include roofing, exterior walls, windows, doors, chimneys and all above grade exterior surfaces of existing buildings, as well as methods of dealing with storm water run-off, snow and ice.</p>
<p>RM-2: PDA’s—Getting the most from your Work Order System</p> <p>Trent Pearsall, Dynamic Technology Professionals Timothy Slack, State University of New York Cortland</p> <p>While most computer-based work order systems do a great job of archiving what your maintenance crew did, they often provide little help in actually managing the work flow. Find out how PDA’s and real-time data management will reduce backlog, improve customer service, and improve the accuracy of the data you collect.</p>	<p>ST-2: The Fifth Dimension—Adding Value with Building Information Modeling (BIM)</p> <p>Jack Moran, Cutler Associates, Inc.</p> <p>Building Information Modeling (BIM) is the evolution of two-dimensional drawings into three dimensional virtual building models embedded with critical intelligent information about the elements of the design. Now, take that 3D model and add a fourth dimension—time, and a fifth dimension—cost. Join us for a practical demonstration of how this revolutionary project delivery method is interconnecting project goals for performance, sustainability, energy usage, and cost/schedule control.</p>	
<p>RM-3: Balanced Scorecard Approach to Facilities Management</p> <p>Masoom Ali, Nassau Community College</p> <p>This is an interactive presentation on strategic assessment of Facilities Management and Resource Management. It will provide Facility Managers with new vision, tools, and techniques to manage their limited resources and still continuously improve productivity, performance and customer satisfaction. Participants will learn to develop a strategic assessment program for their organization.</p>	<p>ST-3: How SUNY Fredonia Became Plug-Load Energy \$mart</p> <p>Carol Sabo, PA Government Services, Inc. James Pepe, State University of New York Fredonia</p> <p>The proliferation of personal computers and small electrical equipment contribute to make plug-loads a major contributor to the growth in energy costs for administration buildings, residence halls, laboratories and classrooms. SUNY Fredonia will share their experiences in implementing programs and policies targeting computers, copiers, printers, refrigerators, washing machines, vending machines, task lights and other plug-load equipment on campus.</p>	

Programs for Tuesday, October 2, 2007

	Track 1: Capital Ideas (CI) in <i>Cartier III</i> room	Track 2: Sustainability (SU) in <i>Laurier</i> room
Session IV 9:15 am to 10:15 am	<p>CI-4: Making Sustainability a Key Driver for Campus Utility Master Planning at the University of New Brunswick</p> <p>Mike Bujould, NB Energy Efficiency and Conservation Agency</p> <p>Through a proactive planning process, the University of New Brunswick is creating sustainable utility concepts for the future that complement the 50-year plan for campus growth. This presentation discusses the utility master planning process at the University of New Brunswick and its attention to sustainability principles.</p>	<p>SU-4: Commissioning Bridges the Gap between Design and Operations</p> <p>William McCartney, Isotherm Engineering Ltd.</p> <p>Commissioning provides the missing link. While performance verification allows the owner to know that the systems work, the commissioning process provides the "Systems Manual", operator training, efficiency targets and O&M details not normally provided.</p>
Session V 11:00 am to 12:00 noon	<p>CI-5: Reacting to the past or planning for the future?</p> <p>Harvey Kaiser, Harvey H. Kaiser & Associates Pete Zuraw, Wellesley College</p> <p>This presentation describes the innovative facilities planning project partnership undertaken at Wellesley College to integrate clear College policy and decision-making with cutting-edge capital planning strategies. The approach at Wellesley applied techniques for assessing existing facilities conditions, planning for an ever changing academic and student program demand, developing costs to address these needs, identifying mechanisms to finance them, and ultimately creating tools to sustain the effort going forward.</p>	<p>SU-5: Geothermal—An Efficient Approach to Heating and Cooling Your Buildings</p> <p>Todd McCabe & Jeff Savoie, Consigli Construction Co., Inc.</p> <p>This presentation will discuss the history of geothermal processes, geothermal earth coupling methods, geothermal system design criteria and the overall benefits of geothermal systems. Academic case studies will be presented in which standing column wells and geothermal heat pumps were used to provide sustainable comfort systems.</p>
Session VI 1:45 pm to 2:45 pm	<p>CI-6: An Integrated Design Process: Lessons Learned from the Massachusetts Institute of Technology (MIT)</p> <p>Lynne Brooks, Bruner/Cott & Associates Walter Henry, MIT Lucinda Hill, Sloan School of Management, MIT</p> <p>An in-depth discussion of the evolution of the integrated design process at the new Sloan School of Management at MIT with the Client, Architect, and MIT Director of Engineering. Topics discussed include establishing sustainability goals, objectives and strategies for the project; developing conceptual approaches to achieve the goals consistent with the project schedule and budget and building an integrated project team that thinks across traditional discipline boundaries.</p>	<p>SU-6: Comfort and Energy Efficiency: don't sacrifice one for the other</p> <p>Joel Primeau, Genivar Consulting Yiri Skopek, ECD Energy and Environment Canada Ltd.</p> <p>Building energy efficiency can be achieved without compromising comfort. This presentation will discuss comfort-enhancing and energy efficient solutions that are easy to design, build, operate and maintain. Air-to-air heat recovery technologies, operable windows, dynamic air sampling, variable speed drives and solar walls are some of the strategies presented and discussed. The presentation will also discuss LEED points in "Energy and Atmosphere" and "Indoor Environmental Quality".</p>
Session VII 3:15 pm to 4:15 pm	<p>CI-7: Benchmarking Your Facility Condition Needs</p> <p>Ray Dufresne, VFA, Inc.</p> <p>How does your institution's facilities compare to those of your peers? Benchmarking your facility condition requirement costs and lifecycle replacement value can provide valuable insights into how to target capital spending. As a key step in the process of optimizing your facilities, benchmarking can provide an organization with a diagnosis of actual performance and measure the potential for improvement.</p>	<p>SU-7: Adaptive Re-Use at its Best: Ursinus College Case Study</p> <p>Reed M. Axelrod, Reed Axelrod Architects Andrew Feick, Ursinus College Hugh McGettigan, Warfel Construction Company</p> <p>Built in 1891, Bomberger Hall was constructed as a sustainable building for its time. A hundred years later, although still useable, its usefulness as a building was expiring. A panel consisting of the owner, architect and construction manager will give insight into how the owner ultimately made each renovation decision as the team weighed cost, efficiency, sustainability and aesthetics.</p>

Track 3: Resource Management (RM) in <i>Cartier I</i> room	Track 4: Special Topic (ST) in <i>Albert</i> room	Track 5: In-Depth Sessions (ID) in <i>Cartier II</i> room
<p>RM-4: Right-Sourcing— A Contrarian’s Approach to Support Service Management</p> <p>Thom Greenlaw, Buckingham Browne & Nichols School</p> <p>Expectations for facilities support services in our colleges have risen at rates matched only by our burgeoning tuitions. This workshop will discuss the strategic importance of facilities support services and share a decision-making matrix that can be used to determine whether or not to outsource key school facility services.</p>	<p>ST-4: Responsible Use of Refrigerants in HVAC</p> <p>Julian de Bullet, McQuay International Mike Thompson, Trane Commercial Systems</p> <p>The Montreal Protocol, now in its 20th year, targeted ozone depleting substances by banning CFC refrigerants in developed countries and by establishing phase-out schedules for all HCFC refrigerants. To meet this challenge, the HVAC industry has turned to non-chlorine HFC or “natural” refrigerants. This session will help concerned users make responsible choices in their present and future refrigerant decisions.</p>	<p>ID-4, ID-5, ID-6, ID-7: Searching for Excellence Using APPA’s Facilities Performance Indicators</p> <p>Margaret P. Kinnaman, University of Maryland Michael J. Sofield, Smithsonian Institute</p>
<p>RM-5: Playing Defence—How to Keep Your Best Employees</p> <p>Tim Rutledge, Mattanie Press</p> <p>In today’s tight labour market, talented employees are regularly approached by head-hunters trying to pry them loose from their organizations. This presentation outlines steps that managers can take to identify key employees and create engaging employment experiences in order to make the employees “head-hunter proof”. Based on the book “Getting Engaged: The New Workplace Loyalty”, Mattanie Press 2005.</p>	<p>ST-5: Dickinson College’s “Green Devil” Campaign</p> <p>Ken Shultes, Dickinson College</p> <p>Over the past two years, Dickinson College has accelerated into the world of sustainability both operationally and educationally. This presentation will focus on major new College-wide initiatives, methods for achieving student buy-in and ways to integrate the College’s mission and academic programs with Campus Operations initiatives.</p>	<p>ALL DAY</p> <p>ID-1: 9:15 am to 10:15 am ID-2: 11:00 am to 12:00 noon ID-3: 1:45 pm to 2:45 pm ID-4: 3:15 pm to 4:15 pm</p> <p>Data collection is an essential tool used to achieve organizational excellence and better communicate with campus decision makers. In this session attendees will discover why data collection is important, what areas should be measured and tools to get the job done. They will explore APPA’s Facilities Performance Indicator Survey results and work in teams to apply the data to institutional case studies. Finally they will report their findings to the rest of the group.</p> <p>(Note: Enrolment is limited to 40 attendees per session)</p>
<p>RM-6: Sustainable Opportunities in Central Chilled Water Systems</p> <p>Kent Peterson, P2S Engineering, Inc.</p> <p>The presentation will assist financial, engineering and facilities managers to develop skills in selecting, communicating with and managing architects, construction managers and construction contractors. A workbook will be provided for use by program participants.</p>	<p>ST-6: Sustained Leadership in Difficult Times</p> <p>James Barbush, Pennsylvania State System of Higher Education</p> <p>This presentation will provide participants with strategies to gain support for their concepts and projects, to engage staff members and to inspire people to adjust and persevere.</p>	
<p>RM-7: Campus Facilities, Physical Environments & Students</p> <p>Elizabeth A. Clark & Phillip R. Melnick, Pennsylvania State University</p> <p>This 2 part session examines the impact of campus facilities and physical environments on college students. Part 1 discusses the research on the subject and will include topics such as age & accommodation, community-building, recruitment & retention, and classroom satisfaction. Part 2 will address practical applications, considerations and implications for today’s physical plant administrators.</p>	<p>ST-7: So you think you want to go “green”? Lessons in making “green” decisions for capital improvements</p> <p>Brian Baer, Baer Architecture Group, Inc. Robert LaVigne, Nichols College</p> <p>This presentation will demonstrate that going green does not have to break the bank for colleges and universities with modest budgets. The focus will be on improvements to existing buildings, although there will be some anecdotal review of new buildings. Handouts will include the materials from the presentation, plus supporting evidence from other experiences.</p>	

WELCOME TO OTTAWA



“ Past ERAPPA conferences have gotten great reviews and I’m looking forward to attending my first meeting in Ottawa, Canada. ”

Scott Scheel
Carleton University

Nestled at the junction of three picturesque rivers, Ottawa is considered one of the world’s most beautiful capitals. As part of the National Capital Region, Ottawa is unique in its history, geography and lifestyle. A visit to Ottawa provides a truly cosmopolitan experience...a North American city with a distinctly European charm and flair.

Ottawa has been ranked sixth in the world in terms of quality of life based on many factors including low crime rates, environmental cleanliness, public services, political stability and socio-economic conditions. For visitors, there's the historic Byward Market located strategically in the centre of the city, the Rideau Canal providing boating in the summer and the world's largest skating rink in the winter, and some 56 miles of scenic parkways penetrating deep into Gatineau Park to the north and the Greenbelt to the south. Ottawa is a major centre for the visual and performing arts with more than a dozen national museums and galleries and a full calendar of festivals and activities. The seat of Canada's federal government, Parliament Hill is a scenic location on the southern banks of the Ottawa River in the City centre, with its Gothic revival suite of buildings—the Parliament buildings' Peace Tower, a national symbol and the logo for ERAPPA 2007, is majestic in its presence.

So, welcome to Ottawa and enjoy its culture and friendly welcoming atmosphere.

ENTERTAINMENT

Sunday, September 30th



6:00 am–3:00 pm

Golf Tournament

Stonebridge Golf Club

The ERAPPA 2007 Golf Tournament will be hosted at Stonebridge Golf and Country Club, one of Ottawa's premiere golf courses, and, 'Winner of the 2007 Consumers Choice Award for Best Public Golf Course in Ottawa'. This 180-acre golf course is a wonderful blend of parkland and linksland golf. Stonebridge features bent grass tees, greens and fairways, undulating putting surfaces, more than 90 premium Temisca sand bunkers, natural fescue areas and is sure to be one course that you will not be disappointed with! The tournament includes: hot sit down breakfast; hot BBQ sit down lunch; practice range; change room access c/w towels; beverages; snacks; handouts and prizes.

6:00 am Bus departs Crowne Plaza Hotel, Lower Lobby

6:45 am Breakfast

8:00 am Tee Off/Shotgun Start

1:00 pm Lunch/Awards/Prizes

2:30 pm Bus departs Stonebridge

Note: proper golf attire required (collared shirt, pants/shorts allowed), soft spikes mandatory.



11:30 am–3:30 pm

High Tea and Tour

National Gallery of Canada

The Program will begin with a High Tea and Tour of the National Gallery of Canada. The Gallery is a place of wonder in both its interior expositions and it's incredible architecture. The Gallery exhibits a number of permanent collections and boasts the largest collection of Canadian works in the world.

Bus departs from the Crowne Plaza Hotel, Lower Lobby at 11:30 am.



10:45 am–4:00 pm

University Tours & Boat Cruise

Carleton University and University of Ottawa

Participants will be picked up by bus at the hotel and taken to the University of Ottawa for a walking tour of the campus and lunch. They will then board a water-craft and travel down the Historic Rideau Canal enjoying a guided tour as it makes it's way to the Carleton University campus. There, the participants will go on a walking tour of the Carleton University campus and then be returned to their hotel by bus.

Bus departs from the Crowne Plaza Hotel, Lower Lobby at 10:45 am.

Monday, October 1st



8:45 am–4:00 pm

Steam Train and Gatineau Park Tour

Wakefield, Province of Quebec

Participants will enjoy a unique trip back in time, as they ride the rails on-board one of Canada's last remaining authentic Steam Trains. Departing from the bi-centennial city of Gatineau, Quebec, the train will arrive 1 ½ hours later in the picturesque village of Wakefield. Upon arriving in Wakefield, guests will witness the spectacular pivoting of the 93-ton steam locomotive on Canada's only operating manual turntable. After lunch at the historic Wakefield Mill Inn the group will travel by deluxe motor bus through Gatineau Park enjoying the changing of the leaves and the beautiful scenery.

Bus departs from the Crowne Plaza Hotel, Lower Lobby at 8:45 am.



7:00 pm–11:00 pm

Top of the Capital Party

Marriott Hotel, Merlot Revolving Restaurant

Monday night, join us at the hottest party in the nation's capital. The Top of the Capital Party will be held at the top of the Marriott Hotel in Merlot –Ottawa's only revolving restaurant with the best view of the city and surrounding area. The spectacular views will set the background for networking with old and new friends. The evening will start off with a casual dining experience in the Merlot, where guests will be invited to wander amongst various food and drink stations hosted by local chefs.

Keep your eyes open for staff carrying VIP passes to our two hot night spots hidden just below Merlot restaurant on the Hotel's 27th floor. These passes will get you to the front of the line to enter one of two awesome parties that open a bit later in the evening.

Our first hot party spot will be **ERAPPA's Studio 54**. Bring back the decade that popularized bell-bottoms, clogs, afros, pinball and more importantly, the most popular music of all time. Between the years 1976-1980, disco was at its height of popularity and people were filling discothèques all around the world like Studio 54 in New York City because they couldn't get enough. There will be a combination of the hottest music from the 70's and incredible 70's lighting, including a rotating disco ball. Looking down from the balcony, the scene on the dance floor will be spectacular and will heat up when "Donna Summers", one of the hottest acts from the 70's, performs!

Our Second hot party spot will be the **Twilight Martini Lounge and Casino**. Join us in an intimate atmosphere where you can take in the great sounds of live jazz while socializing in this hip and trendy setting. The Twilight Martini Lounge will also offer a casino for those who feel like pulling up a seat and trying their luck at either black jack or poker. Guests will receive play money to use at the tables and prizes for the top winners will be handed out during "Happy Hour".

Guests will be able to wander and experience both parties and the spectacular city view throughout the evening. Space is limited, so book early to ensure your spot at this fun-filled evening!

ENTERTAINMENT

Tuesday, October 2nd



9:30 am–3:00 pm

Artisan Village and Glass Blowing Studio

Historic Merrickville

Participants will visit the small village of Merrickville, including a visit to the Kevin Robert Grey Glass Blowing Studio and a number of antique and specialty shops. Following the visit to the glass blowing studio, there will be free time to explore the shops in Merrickville then enjoy a wonderful lunch at Sam Jake's Inn.

Bus departs from the Crowne Plaza Hotel, Lower Lobby at 9:30 am.

Awards Banquet
Entertainment Sponsored by



5:15 pm–12:00 pm

Awards Banquet

*Canadian Museum of Civilization,
Province of Quebec*

The Awards Banquet will be held in the Grand Hall of the Canadian Museum of Civilization. The Grand Hall celebrates the rich cultural heritage of the Native Peoples of Canada's West Coast. Each of the Hall's six houses presents an Aboriginal community living in coastal British Columbia. Preceding the Banquet guests will tour the Canada Hall which leads visitors on a remarkable journey across the country from east to west, covering 1,000 years of Canadian history in a series of life-sized environments.

Buses depart from the Crowne Plaza Hotel, Lower Lobby starting at 5:15 pm. Buses will continue to run until everyone has been transferred to the Museum. At 9:30 pm the return shuttles from the Museum will begin with the final shuttle returning at midnight.

Wednesday, October 3rd



7:00 am–8:00 am

Walk/Run

Along the Ottawa River

A 1.5 mile walk and a 3 mile run are being planned for Wednesday morning. Participants can enjoy a leisurely walk along the Ottawa River taking in a different perspective of the Museums and Parliament Buildings along the way. Runners will follow a path along the Ottawa River and scenic Rideau Canal enjoying the autumn colours and views of the city. Participants will receive a memento from the event and breakfast will be provided. Due to insurance issues, this event is not sanctioned by ERAPPA, and your participation is "at your own risk".

Runners/Walkers will meet in the Crowne Plaza Hotel, Lower Lobby at 7:00 am.





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“ The Business Partner support is fantastic. Year after year, our Business Partners contribute to the success of the ERAPPA conference. The Exhibit Hall is a great place to learn about emerging technologies, new services and new companies. ”

Kevin Mann
Salisbury University

Business Partner Sponsorship

Each ERAPPA annual conference offers our members and guests an opportunity to experience interesting locations with diverse and unique events...ERAPPA 2007 in Ottawa, Canada is no exception! Our Sponsors recognize that ERAPPA members pride themselves on providing a consistent level of high quality services and their desire to share that vision is reflected through their support. We want to acknowledge and thank all our Sponsors, new and continuing, for their valued support and for helping to make ERAPPA 2007 another successful annual conference.

Business Partners and Exhibitors

ERAPPA remains the leader in the educational arena and it provides facilities managers with excellence in education, resource opportunities and technical support while affording its members the opportunity to succeed. In doing this, ERAPPA depends on the continued support it receives from dedicated Business Partners. Through the years, ERAPPA and Business Partners have established extraordinary partnerships that have helped support ERAPPA to fulfill its commitment to providing excellence in facilities management. We are particularly proud of the diversity of committed Business Partners who have joined the conference for the first time and those that continue to support us, this year in Ottawa. On behalf of the ERAPPA 2007 Business Partner Committee, we urge you to visit the exhibit booths to rekindle or establish new partnerships. We are confident that these partnerships will be a valuable resource for pursuing technological advances and progressive facilities management practices.

Awards Banquet Wine
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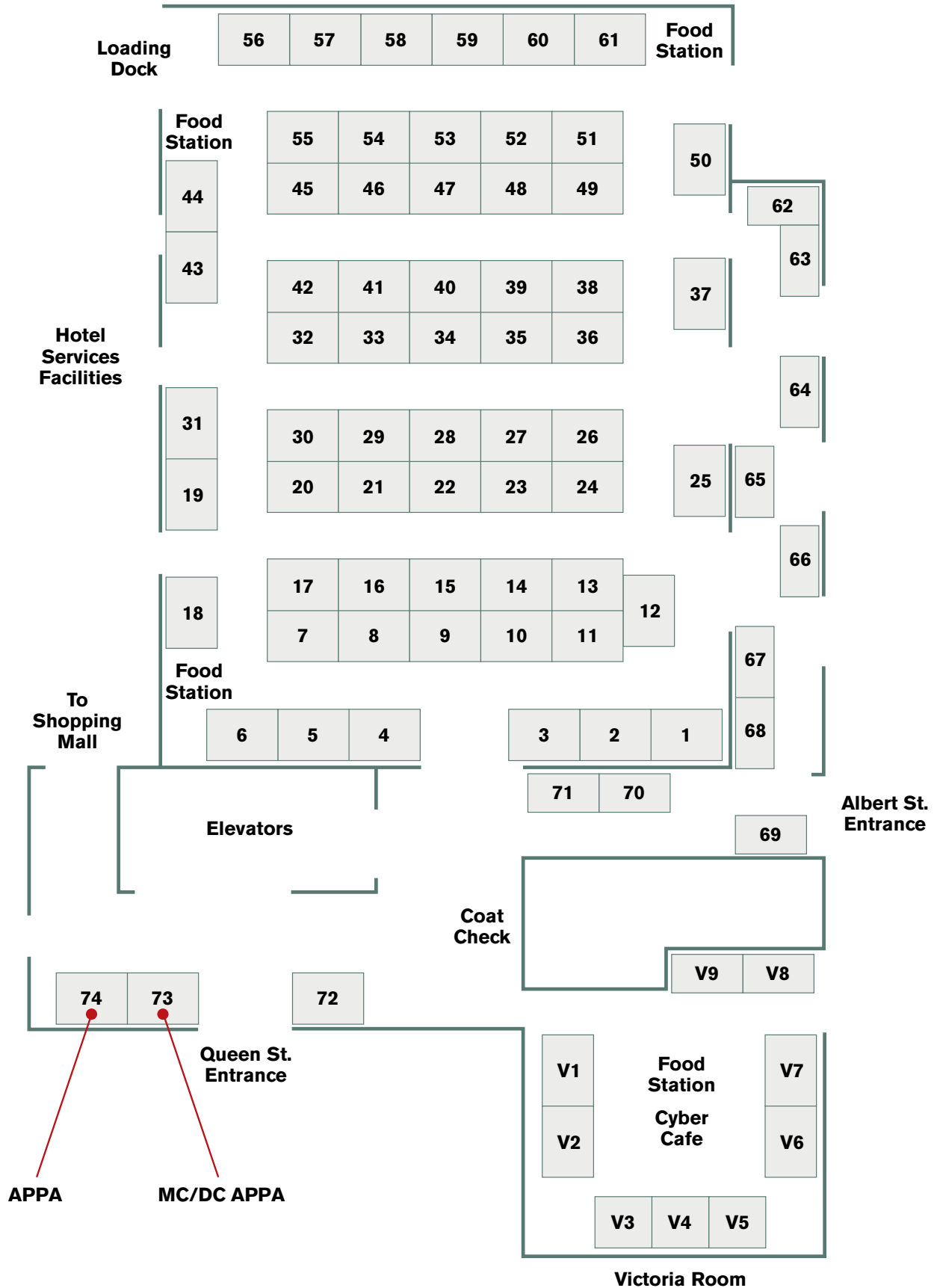
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Phoenix Controls Corporation

Exhibitor | Booth 10

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Please refer to the ERAPPA 2007 website for post-conference information: educational session presentations, sustainability report, conference photographs and more!



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11

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