

MainTrain

Niagara Falls 2014

Realizing Value

Conference Program

NOVEMBER 17 - 20

Maintenance, Reliability and Asset Management



2014 Conference Program Contents

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Welcome to **MainTrain 2014**

Message from PEMAC President **Rob Lash**

On behalf of the PEMAC Board of Directors and the PEMAC Organization, I would like to extend a warm welcome to the 2014 MainTrain Conference here in the beautiful city of Niagara Falls. We hope that you enjoy not only the conference, with its extensive technical programs and exhibits, but also the charm and hospitality that this wonderful city has to offer. This conference addresses "Realizing Value" through excellence in maintenance, reliability and asset management. Both strategic and proven operational sessions have been created that will be delivered by leading industry experts to provide each of the attendees with ideas and opportunities to realize value for their organizations.



We hope you enjoy the content of the conference and have ample opportunity to network with international and national colleagues. Thank you to all of the presenters for your contributions at the conference, and to our colleagues on the MainTrain organizing committee. I also would like to thank our sponsors and exhibitor's that have helped to make this conference possible.

Robert Lash, President, PEMAC

About PEMAC

Vision

PEMAC is a national not for profit association providing global leadership, education and certification in world class maintenance, reliability and physical asset management practices.

Mission

PEMAC's mission is to improve its member's professionalism, safety, performance, and outside recognition, by providing specialized education and certification, undertaking research, providing forums for the exchange of information and acting as a public voice for its members and the profession.

PEMAC's membership is comprised of over 1100 maintenance, reliability and asset management practitioners.

For more information about PEMAC, visit www.pemac.org



PEMAC is a member of the Global Forum
on Maintenance and Asset Management



Message from PEMAC Executive Director **Cindy Snedden**

For many years PEMAC has used the tag line "Maintenance, Reliability and Asset Management" to describe the subject areas that interest our members. Recent global developments in the field of asset management are really challenging us to elevate our understanding about how people filling varied asset-related roles in an organization work together to deliver value.



Many times during the interactive sessions of past MainTrain events the inevitable question comes, "Can you get this message to my senior managers?" -or- "Can you get them to come to MainTrain?" We believe that the advent of ISO 55001 is helping to make the case that building a fit-for-purpose asset management system is a holistic endeavour for asset owning organizations that must be supported and understood across departments and at the most senior levels. At the same time we believe that depending on the stage of the life cycle that an asset is in, it is the knowledge, experience and commitment of reliability engineers as well as operations and maintenance managers that is key to ultimately delivering value on any asset management strategy.

As the MainTrain 2014 committee developed the content for this conference they have been conscious about bringing it all together with sessions to attract practitioners with varied roles with the hope that the participants would find much to challenge and inspire them in both their direct and complimentary areas of expertise. As they work through the design of a new facility, for example, reliability engineers can benefit from a better understanding of maintenance management. Maintenance and operations managers, frustrated from inheriting unnecessary maintenance challenges, might gain some insight to help them influence the design and selection of future assets, or the overall asset management strategy of their organization. They might even be able to start by bringing their managers along.

That's what we're hoping! Whether or not we have succeeded in uniting various departments and levels of the organization in the asset management conversation (let us know!) I am confident that the committee has succeeded in bringing you a first rate program to inform and inspire you.

Welcome and have a great week! I look forward to meeting you personally.

Cindy Snedden

Executive Director, PEMAC

Phone: 1 (877) 523-7255

Direct: 1 (250) 826-6491



Message from the conference chair,
Sridhar Ramakrishnan, P.Eng., MMP

On behalf of PEMAC and the MainTrain conference committee, it gives me great pleasure to welcome you all to MainTrain 2014 in Niagara Falls, Ontario!



The theme for this year's conference is 'Realizing value'. Depending on the context, value can be real, tangible, it can also be perceived, intangible. In organizations today, clarity of vision, alignment of objectives, streamlined processes, effective communication, and collaborative approach, together with use of appropriate tools and technology, complemented by application of appropriate methodologies, help realize and even enhance value. At the same time, lack of any of these can diminish value. Through the four exciting days of this conference, we would like everyone to start thinking in terms of how their actions (or inactions) contribute to enhancing, sustaining or diminishing value. And take back some new ideas, best practices and lessons learned to help realize, and sustain value, to fully enjoy the joy of success and achievement.

Henry Ford said "Coming together is a beginning; keeping together is progress; working together is success." That, is the other dimension of value MainTrain 2014 seeks to offer.

I would like to thank everyone for taking time off your busy schedules to attend this conference. I wish you all good luck and a safe and enjoyable stay in Niagara Falls, Ontario.

Sridhar Ramakrishnan, P.Eng., MMP

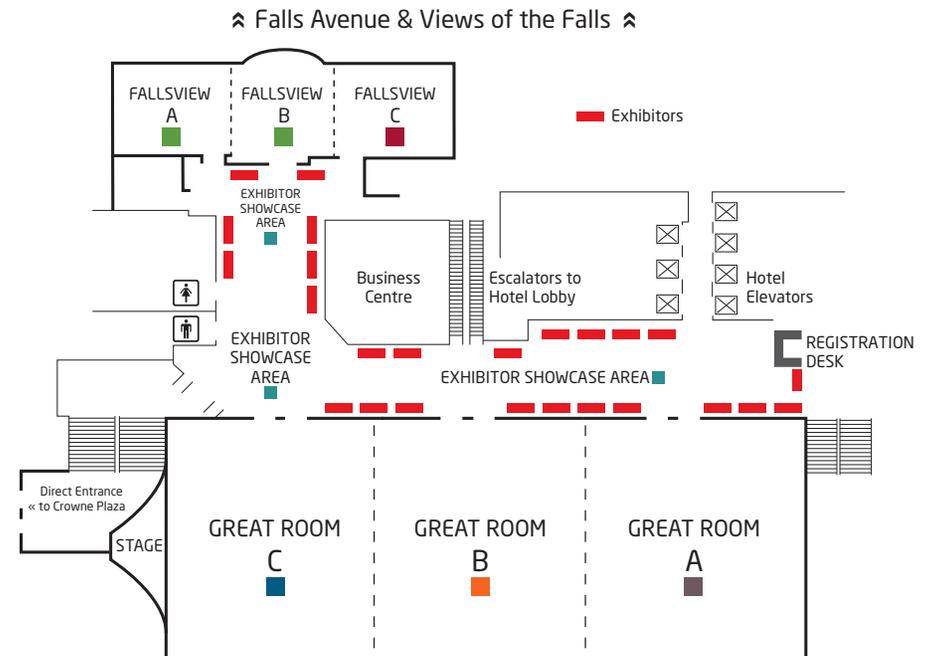
Conference Facilities Map

Sheraton on the Falls Hotel & Conference Centre

5875 Falls Avenue, Niagara Falls, ON L2G 3K7 Canada
 905-374-4445 • 1-888-229-9961



MainTrain 2014 will be held on the 3rd floor
 Conference Centre exclusively



Save the Date for MainTrain 2015

MainTrain 2015 is moving...to September!

We invite you to join us in September 2015 in beautiful Richmond, British Columbia, where the "Far East meets West Coast".

September is a wonderful time of year in Richmond as well, boasting lovely weather, offering many great activities and experiences. Why not bring your family with you, and enjoy the many historical sites, the world famous Asian summer nights market, whale watching, plus so much more!

More information will be available soon about MainTrain 2015. Stay tuned and mark your calendars! For more information, contact Nicolle Guillen, PEMAC's event planner at events@pemac.org or 1-877-525-7255.



MainTrain 2015 | Richmond, British Columbia
www.MainTrain.ca | September 2015

Travel Partners



Our Sponsors

Platinum Sponsor: **SKF**



SKF Group is the leading global supplier of bearings, seals, mechatronics, lubrication systems and services which include technical support, maintenance and reliability services, engineering consulting and training. The SKF Life Cycle

Management approach applies SKF's expertise in a wide range of technical areas to help customers, both OEMs and the aftermarket, optimize machine productivity and efficiency. Available worldwide, SKF asset management services can help your operation develop strategies and tactics to achieve bottom-line results. www.skf.com

- Maintenance strategy review
- Life cycle cost management
- Work planning and scheduling
- Assessments and benchmarking
- Asset performance review
- Inventory management
- Reliability engineering
- Risk analysis
- Bad Actor management
- Application engineering
- Key performance indicators
- Balanced scorecard

Gold Sponsor: **PROSYGMA**



PROSYGMA is a reliability and maintenance services company committed to working with our clients as a strategic partner to achieve efficient, reliable, and profitable asset management. Our expertise

is focused on best practices such as lean maintenance, planning and scheduling, criticality analysis, and many other reliability and maintenance practices which have gained worldwide recognition. Learn more: www.prosygma.ca.

Silver Sponsors

Arms Reliability



Arms Reliability, a global consulting firm specializing in helping industry get more from their assets, avoid unplanned downtime and reduce operating costs.

Since 1995, ARMS Reliability has been at the forefront of proactive asset management strategies for a host of blue chip companies around the world. These companies have entrusted ARMS

Reliability with delivering business goals through effective asset management and improvements in operational productivity. With offices in North America, Latin America, Europe, Australia and South Africa, ARMS Reliability has experience across a wide variety of industries, including mining, oil and gas, water utilities, power generation (hydro, coal fired generation, gas, wind generation), power distribution, manufacturing, rail, communications, and safety systems. www.armsreliability.com

Cameco



Cameco is one of the world's largest uranium producers, a significant supplier of conversion services and one of two CANDU fuel manufacturers in Canada. Our competitive position is based on our controlling ownership of the world's largest high-grade reserves and low-cost operations. Our uranium products are used to generate clean electricity in nuclear power plants around the world. We also explore for

uranium in the Americas, Australia and Asia. Our shares trade on the Toronto and New York stock exchanges. Our head office is in Saskatoon, Saskatchewan. www.cameco.com

Northern Lakes College



Northern Lakes College is committed to innovative training and a diverse range of partnerships that include small businesses, corporations, band and settlement offices, community groups, municipalities, and government agencies across more than one-quarter of the Province of Alberta. Our faculty and staff take

pride in delivering relevant, high quality learning opportunities. Distance learning technology remains a key delivery tool, helping us to reach students throughout the region and beyond. Small class sizes, professional instructors and affordable tuition continue to be important ingredients to our success. www.northernlakescollege.ca



ArcelorMittal Dofasco Plant Tour: Focus on Maintenance



ArcelorMittal Dofasco plays a key role in North America's advanced manufacturing supply chain working with the top automotive, energy, packaging and construction brands to develop lighter, stronger and more sustainable products – from cans to cars. Founded in 1912, it is Hamilton's largest private sector employer with

more than 5,000 employees shipping 4.5 million net tons of high quality flat carbon steel annually. Around the world, the ArcelorMittal Group employs 240,000 employees in 60 countries and looks to flagship sites like ArcelorMittal Dofasco to develop new technology and products that are fundamentally transforming tomorrow.

We invite you to join us for a tour of ArcelorMittal Dofasco's Hamilton facility. Guests will leave the Sheraton on the Falls at 9:00 am by tour bus, and arrive at the ArcelorMittal Dofasco Plant in Hamilton. Guests will receive a guided tour of the large maintenance facility within the plant, learning more about the dismantling and repair steps, welding, machining and the electrical repair that takes place at the facility. A presentation will follow that will discuss the types of maintenance conducted in the facility, and how ArcelorMittal Dofasco performs the maintenance function.

Lunch will be provided on site at the facility. Guests will be transported back to the conference by 14:30 in time for the closing presentation.

Pre-registration is required for this workshop.



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SKF's Asset Efficiency Optimization (AEO) methodology combines the in-depth knowledge of our global industrial service & consulting capabilities with our world-class products and technologies.



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Our Sponsors (continued)

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Copperleaf Technologies works with asset-intensive organizations facing the challenges of aging infrastructure. We help our customers re-think their approach to capital planning, life-cycle asset planning, and budgeting. Our Asset Investment Planning and Management (AIPM) solutions

help them integrate planning, analysis, approval, and execution so that they can make risk-informed decisions that are effective, transparent, and focused on the long-term performance of their organizations. www.copperleafgroup.com

FT Services



FTS is a maintenance and asset management organization with a proven, integrated approach to maintenance, turnarounds and sustaining projects that is well-structured, comprehensive and has been refined through repeated application in the field. Our embedded safety culture emanates from our philosophy that all incidents are preventable and we continually strive to keep our employees safe. www.ftsgroup.com

IFS World



IFS is the recognized leader in enterprise asset management (EAM) software for demanding industries. IFS is number one in EAM software in oil and gas and aerospace and defense. IFS Applications delivers a powerful asset lifecycle management solution including finance, document management, human resources, supply chain management- everything required for a cradle-to- grave asset management. IFS Applications also offers powerful work order

management, so maintenance technicians and management are on the same page. IFS supports its more than 2,000 customers and 800,000+ users from offices in more than 60 countries. IFS, a public company (OMX STO: IFS) was founded in 1983. www.ifsworld.com

Bronze Sponsors (continued)

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Life Cycle Engineering's (LCE) Reliability Consulting Group



Life Cycle Engineering's (LCE) Reliability Consulting Group provides consulting, services and education. Our team specializes in providing client-specific solutions that help organizations improve their operating performance. Founded

in 1976, LCE is headquartered in Charleston, South Carolina with offices across North America and experience around the globe. www.lce.com

MRG



RELIABILITY. EXPERIENCE. INTEGRITY

These are more than just words at MRG. We have consciously created and nurtured an unmatched culture of integrity and client service, that has attracted the most experienced, capable and dedicated staff of professionals in the business.

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Bronze Sponsors *(continued)*:

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The Personal refers to The Personal General Insurance Inc. in Quebec and The Personal Insurance Company in all other provinces and territories. Certain conditions apply. Auto insurance is not available in Manitoba, Saskatchewan or British Columbia due to government-run plans.

MainTrain 2014 Media Partners

Annex Business Media



Annex Business Media is Canada's largest privately owned business-to-business media company, with 46 B2B brands reaching business communities through print, news websites, enews, events, video, and social media. For career opportunities, check out our website at www.annexweb.com

CINDE



CINDE is Canada's non-profit, member-based, technical society dedicated to the people and companies engaged in non-destructive evaluation (NDE), non-destructive testing (NDT), and inspection. CINDE offers world-class NDT training, is a full-service government

approved certification examination centre, and offers comprehensive member benefits. For more information, please visit: www.cinde.ca and events.cinde.ca.

Bentley



Bentley is the global leader dedicated to providing architects, engineers, constructors, and owner-operators with comprehensive architecture and engineering software solutions for sustaining

infrastructure. Bentley's AssetWise Performance Management software supports and drives a business process to improve the reliability, integrity, and performance of infrastructure assets throughout their operating life. We help you to manage and sustain the process using the Bentley APM methodology. www.bentley.com

Carver PA Corporation



Carver PA Corporation is one of the most diverse asset management solutions providers in the world. They are dedicated to helping organizations attain organizational excellence, reliability, and sustainability. They're approach encompasses training, consulting and recruiting services which are supported by strong quality and project management capabilities. www.carvercorporation.com

Checkfluid



Checkfluid provides oil sampling valves and accessories for faster sampling and accurate oil analysis. New products include gearbox monitoring solutions. Our AD and AB mounting options allow for attaching kidney loop filter carts. Our high flow LP push button and LT tube extend sampling valve allows for fast sampling at lower pressures and higher viscosities. www.checkfluid.com

DMSI



DMSI's approach to the field of reliability and maintenance is to provide innovative and flexible software tools that meet the varied demands of our customers. To the best of our knowledge, we are the only software company that

has successfully brought together maintenance management, work orders, predictive maintenance, data collection and analysis, and asset basic care in a single offering. Our customers benefit by having automatic integration of what normally constitutes three separate software systems (EAM/CMMS, PdM, and TPM/inspection systems). Other companies have strengths in individual areas, but we are unique in having the complete package (both products and service capability) in a single system. www.desmaint.com



Our Exhibitors (continued)

FieldWorker Enterprise



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database and applications into the field to replace paper-based processes. You can save critical capital up front and reduce support and expansion costs down the road. Learn how implementing your first enterprise-wide FieldWorker application will give you an immediate ROI, and every subsequent FieldWorker application accelerates that return on your investment. www.fieldworker.com

Fixturlaser Canada



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Our different services are: Laser Alignment, Rollers Alignment, Straightness Alignment, Extruder Alignment, Pulley Alignment, Vertical Turbine Shaft Alignment, Flatness and levelling, Vibration Analysis and Dynamic Balancing. www.fixturlaser.com

ICML



The International Council for Machinery Lubrication (ICML) is a vendor-neutral, not-for-profit organization founded to facilitate growth and development of machine lubrication as a technical field of endeavor. Among its various activities, ICML offers skill certification testing for individuals in the fields of machine condition monitoring, lubrication and oil analysis. ICML is an independently chartered organization consisting

of both paid professional staff members and volunteer councils. www.lubecouncil.org.

MROConnection



MROConnection is an alliance of premier MRO solutions providers that helps asset intensive organizations analyze their MRO supply chain operations and enact decisions that will improve

visibility into their MRO, improve reliability, and create a competitive advantage to drive profits, embodying our adage of Visibility, Reliability, and Profitability.

As a global provider of turnkey solutions for organizations who wish to transform their MRO supply chain operations, we deliver forward thinking technology and methodologies to build on industry best practices, and help companies who are asset intensive reach achievable results that are measurable on the bottom line. www.MROConnection.com

PRÜFTECHNIK



PRÜFTECHNIK has more than 550 employees working in our business divisions and subsidiaries worldwide. Almost half of our employees work in Research & Development, and the number of university graduates is also very high at ca. 50%. The PRÜFTECHNIK business divisions operate independently and benefit from central services of a higher level holding company. This streamlined organizational structure allows the PRÜFTECHNIK group to operate flexibly and efficiently in the world market. The high export share - which has always been an indicator of technically qualified products - has increased due to the development of agencies and subsidiaries on every continent. Today, this share makes up ca. 75% of the total production. www.pruftechnik.ca

Reporting House



Asset Analytix is a content library built by **Reporting House**, the leading consulting services company for data driven Maintenance & reliability. Our team of 110 consultants with extensive domain knowledge & 20+

Years of EAM data analysis & reporting experience has helped build AssetAnalytix a ready to use content library of 600+ reports, 200+ KPIs, dashboards, scorecards, strategy maps and statistical model. We specialize in various EAM applications like Maximo, SAP, Oracle and Data stream irrespective of reporting tools like - Actuate, BIRT, BO, Crystal, Cognos, SPSS, Microsoft & SAS. www.assetanalytix.com

SDT



SDT Provides ultrasound solutions that give our customers a greater understanding about the health of their factory. We help them predict failures, control energy costs and improve product quality while contributing to the overall uptime of their assets. www.sdthearmore.com

ARMS
RELIABILITY



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Performance

Specializing in:

- RAMS Analysis
- Maintenance Strategy Development
- PM Optimization
- RCM
- Master Data Management
- Vulnerability Analysis & Assessment
- Root Cause Analysis

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Our Exhibitors (continued)

Shift Management



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You want quality training with measurable outcomes. Shift Management provides the tools you need to succeed in workplace leadership learning. www.shiftworkplace.com

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For over 40 years, **UE Systems** has produced thousands of ergonomically designed portable, and incredibly accurate airborne/structure borne ultrasonic instruments. Used primarily for leak detection, mechanical analysis and electrical inspection, these instruments have saved our clients tens of thousands of dollars in premature failure detection, elimination of downtime, increased productivity, and overall replacement costs.

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So whether you require instrumentation for a simple or robust predictive maintenance program, need safe, reliable equipment for hazardous areas, or want assurance that your reliability program is working around the world, UE Systems can help you become more productive and profitable. www.uesystems.com

VIZIYA



VIZIYA is the only vendor who takes a total partnership approach with the ERP vendors. We develop complimentary product solutions which become a true bolt-on module of our customer's ERP system. We read and write data through the

ERP vendor's APIs and give you a real-time connection. Because we use the data contained in the ERP system's database, you can be assured that what you see on your screen is exactly what the ERP users see as well. Best of all, because VIZIYA takes a product approach to its solutions, you are assured of implementations measured in days, available ongoing support, and easy upgrades as you move from ERP release to release. www.viziya.com

MainTrain 2014 Exhibitor Showcase

PEMAC is very excited to welcome a wide range of organizations who will be participating in our exhibitor showcase this year. Be sure to stop by and visit with each of them in the foyer of the conference floor, and gain some valuable insight for your own organization. We also invite you to join us for a welcome reception in the exhibitor showcase on Monday, November 17th from 17:00 to 19:00 to meet and mingle with fellow delegates, sponsors and exhibitors. Light refreshments will be served.

Exhibitor Showcase Hours:

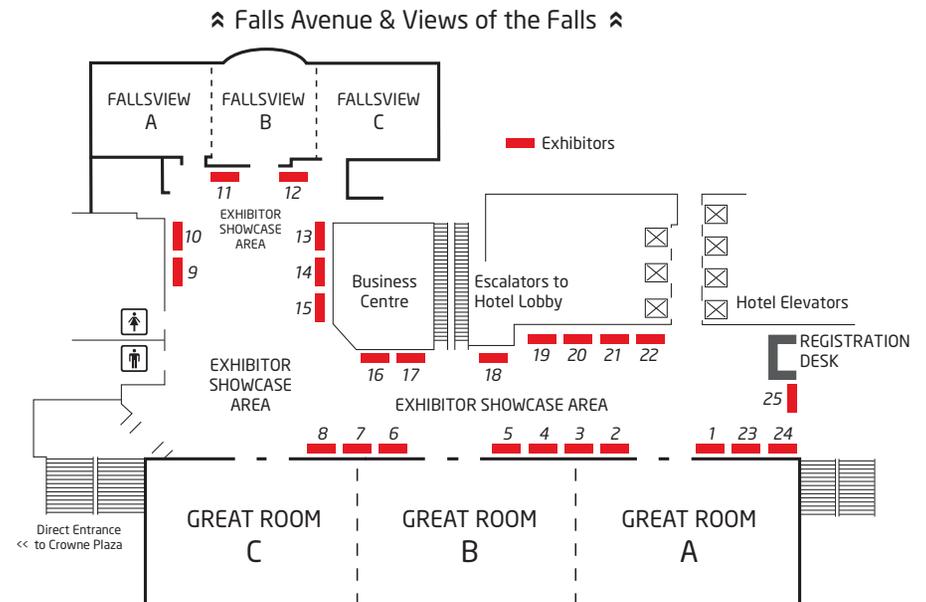
Monday, November 17th – 12:00 to 19:00

Tuesday, November 18th – 07:00 to 17:30

Wednesday, November 19th – 07:00 to 17:30

Key to Exhibitors:

- | | | |
|--------------------------|-------------------|----------------------|
| 1. Fixturlaser | 10. ICML | 19. Carver |
| 2. LCE | 11. UE Systems | 20. Viziya |
| 3. CINDE | 12. MRG | 21. Copperleaf |
| 4. SDT Ultrasound | 13. NLC | 22. ARMS Reliability |
| 5. Shift Management Inc. | 14. PRÜFTECHNIK | 23. Checkfluid |
| 6. Annex | 15. SKF | 24. Reporting House |
| 7. Bentley | 16. SKF | 25. IRISS |
| 8. DMSI | 17. Prosygma | |
| 9. FieldWorker | 18. MROConnection | |



Conference Schedule at-a-Glance

Day 1: Monday November 17th, 2014

| | | | | |
|--|--|--|---|--|
| 07:30 – 08:15 | Registration and Breakfast LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST) | | | |
| 08:15 – 08:50 | Welcome and Opening Keynote – Whole Life Asset Management <i>Alex Thomson, The Woodhouse Partnership</i> LOCATION: GREAT ROOM C ■ | | | |
| Workshops 09:00 – 10:00 | SAP Plant Maintenance Module Workshop <i>Glenn Sawyer, SAP & Brad McDonald, Vesta Partners</i> LOCATION: GREAT ROOM A ■ | Results Oriented Maintenance Management Workshop <i>Christer Idhammar, IDCON Inc.</i> LOCATION: GREAT ROOM C ■ | Problem Solving Tools for a High Performance Team <i>Pat Parker, Carver PA Corporation</i> LOCATION: FALLSVIEW A&B ■ | MMP Module 1: An Integrated Strategy for Maintenance Management – Day One <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 10:00 – 10:15 | BREAK LOCATION: 3RD FLOOR FOYER ■ | | | |
| Workshops 10:15 – 12:00 (continued from 09:00) | SAP Plant Maintenance Module Workshop (continued) <i>Glenn Sawyer, SAP & Brad McDonald, Vesta Partners</i> LOCATION: GREAT ROOM A ■ | Results Oriented Maintenance Management Workshop (continued) <i>Christer Idhammar, IDCON Inc.</i> LOCATION: GREAT ROOM C ■ | Problem Solving Tools for a High Performance Team (continued) <i>Pat Parker, Carver PA Corporation</i> LOCATION: FALLSVIEW A&B ■ | MMP Module 1: An Integrated Strategy for Maintenance Management – Day One (continued) <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 12:00 – 13:00 | LUNCH AND EXHIBITOR VISITING LOCATIONS: GREAT ROOM B ■ (LUNCH); 3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING) | | | |
| Sessions 13:00 – 14:30 | Maximo Workshop <i>Mary Jane Pearson, EMA Inc. & Nigel D'Souza, OCWA</i> LOCATION: GREAT ROOM A ■ | Operational Reliability, Ongoing Journey Towards Reliability <i>Chris Herron & J.-P. Pascoli, Cameco Corporation</i> LOCATION: GREAT ROOM C ■ | Failure Analysis of Shafts and Fasteners <i>Neville Sachs</i> LOCATION: FALLSVIEW A&B ■ | MMP Module 1: An Integrated Strategy for Maintenance Management – Day One (continued) <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 14:30 – 14:45 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | | |

Day 1: Monday November 17th, 2014 (continued)

| | | | | |
|---|---|---|---|--|
| Sessions 14:45 – 16:30 (continued from 13:00) | Maximo Workshop (cont'd) <i>Mary Jane Pearson, EMA Inc. & Nigel D'Souza, OCWA</i> LOCATION: GREAT ROOM A ■ | Operational Reliability, Ongoing Journey Towards Reliability (cont'd) <i>Chris Herron & J.-P. Pascoli, Cameco Corporation</i> LOCATION: GREAT ROOM C ■ | Failure Analysis of Shafts and Fasteners (cont'd) <i>Neville Sachs</i> LOCATION: FALLSVIEW A&B ■ | MMP Module 1: An Integrated Strategy for Maintenance Management – Day One Concludes <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 16:45 – 17:00 | CLOSING COMMENTS LOCATION: GREAT ROOM C ■ | | | |
| Event 17:00 – 19:00 | WELCOME RECEPTION IN EXHIBITOR HALL LOCATION: 3RD FLOOR FOYER ■ | | | |
| 18:00 – 20:00 | CAMA Certified Asset Management Assessor Exam LOCATION: FALLSVIEW A & B ■ | | | |

Day 2: Tuesday November 18th, 2014

| | | | | |
|---------------------------|---|--|---|--|
| 07:00 – 07:45 | Registration, Breakfast and Exhibitor Visiting LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST) | | | |
| 07:45 – 08:30 | Welcome and Opening Keynote: Andrew Thorne, Cameco Corporation LOCATION: GREAT ROOM C ■ | | | |
| Sessions 08:30 – 09:30 | What KPIs to Use When <i>Christer Idhammar, IDCON Inc.</i> LOCATION: GREAT ROOM A ■ | Motor Management = Less Anxiety, More Tranquility <i>Bill Winkler, Canadian Copper & Brass Development Assoc.</i> LOCATION: GREAT ROOM C ■ | ISO 5500X – An overview and what it means to you <i>James Reyes-Picknell, Conscious Asset Management</i> LOCATION: FALLSVIEW A & B ■ | |
| 09:30 – 09:45 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | | |
| Sessions 09:45 – 10:45 | Realizing Value from your CBM Program <i>Dharmen Dhaliya, City of Toronto</i> LOCATION: GREAT ROOM A ■ | Case Study: Condition Monitoring and Operator Engagement Programs Deliver Value at Zellstoff Celgar Limited <i>Dragan Trivanovic, Zellstoff Celgar Limited Partnership</i> <i>ZCL & Walter Del Degan, SKF Canada Ltd.</i> LOCATION: GREAT ROOM C ■ | Asset Management and Financial Enlightenment <i>Bill Sugden, Ausenco Rylson</i> LOCATION: FALLSVIEW A & B ■ | |



Day 2: Tuesday November 18th, 2014 (continued)

| | | | |
|---------------------------|--|--|--|
| 10:45 – 11:00 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 11:00 – 12:00 | Union Gas – The Road to Maintenance Excellence <i>Mike Hildebrand, Spectra Energy: Union Gas Limited</i> LOCATION: GREAT ROOM A ■ | The Duty/Standby Philosophy – A Re-Emerging Conversation <i>Christopher Gaspard, Asset Performance Group</i> LOCATION: GREAT ROOM C ■ | Good Asset Management with Integrated Enterprise Information <i>Glenn Sawyer, SAP</i> LOCATION: FALLSVIEW A & B ■ |
| 12:00 – 13:00 | LUNCH AND EXHIBITOR VISITING LOCATIONS: GREAT ROOM B ■ (LUNCH); 3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING) | | |
| Sessions 13:00 – 14:00 | Shepard Energy Centre – Building an Asset Management Plan from Scratch <i>Bill Mercer, Enmax Energy Corporation</i> LOCATION: GREAT ROOM A ■ | Re-aligning Canada Journey <i>Nathalie Droulin, Fixturlaser Canada Inc.</i> LOCATION: GREAT ROOM C ■ | PEMAC Certification Programs, MMP and AMP <i>Greg Best & Cindy Snedden, PEMAC</i> LOCATION: FALLSVIEW A & B ■ |
| 14:00 – 14:15 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 14:15 – 15:15 | Conditioned-based Maintenance Strategy for Shaganappi Pump Station <i>Jennifer Ouyang & Kendal Martens, City of Calgary, Water</i> LOCATION: GREAT ROOM A ■ | The MRO Lifecycle...Can You Really Make a Difference? <i>Ned Meyer, MROConnection</i> LOCATION: GREAT ROOM C ■ | Asset Management Strategy – Developing the Master Plan <i>David Armstrong, Bentley Systems</i> LOCATION: FALLSVIEW A & B ■ |
| 15:15 – 15:30 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 15:30 – 16:30 | Maintenance Crew Performance Management Through KPIs <i>J.-P. Pascoli, Cameco Corporation</i> LOCATION: GREAT ROOM A ■ | Performance and Equipment Condition Monitoring: A Case Study at Atco Power <i>Pat Parker, Carver PA Corporation & David J. Brill, Black and Veatch Corporation</i> LOCATION: GREAT ROOM C ■ | Justifications for Maintenance Reliability and Readiness <i>Murray Macza, Emerson Process Management (EPM), MRG Solutions</i> LOCATION: FALLSVIEW A & B ■ |
| 16:45 – 17:00 | CLOSING COMMENTS <i>Special Welcome from Niagara Falls Mayor, Jim Diodati</i> LOCATION: GREAT ROOM C ■ | | |
| Event 18:00 – 20:00 | PEMAC Annual Gala with Comedian Ron James LOCATION: GREAT ROOM C ■ | | |

Day 3: Wednesday November 19th, 2014

| | | | |
|---------------------------|--|--|--|
| 07:00 – 07:45 | Registration, Breakfast and Exhibitor Visiting LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST) | | |
| 07:45 – 08:30 | Welcome and Opening Keynote <i>Glenn Sawyer, SAP</i> LOCATION: GREAT ROOM C ■ | | |
| Sessions 08:30 – 09:30 | Utilizing Maintenance Expertise Across the Organization <i>Kristopher Dominato, Canadian Tire Corporation</i> LOCATION: GREAT ROOM A ■ | Optimizing Your Defect Elimination Program <i>Reid Jenner, Commissioning Agents</i> LOCATION: GREAT ROOM C ■ | Are Your Decisions Truly Optimal? <i>Boudewijn Neijens, Copperleaf Technologies</i> LOCATION: FALLSVIEW A & B ■ |
| 09:30 – 09:45 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 09:45 – 10:45 | Work Process Management Delivers To Expectations <i>Peter Neve, FieldWorker Mobile Solutions</i> LOCATION: GREAT ROOM A ■ | Managing Complex Losses and Equipment Failures <i>Mark Hughes, Sintra Engineering</i> LOCATION: GREAT ROOM C ■ | Management Systems for Sustaining a Culture of Asset Management Excellence <i>Ron Doucet, RYKE Reliability</i> LOCATION: FALLSVIEW A & B ■ |
| 10:45 – 11:00 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 11:00 – 12:00 | Energy Management Incentives Case Study <i>Eric McCoy, Cameco Corporation</i> LOCATION: GREAT ROOM A ■ | Practical Application of Fasteners <i>Bob Dougherty, Toronto Transit Commission</i> LOCATION: GREAT ROOM C ■ | Facilitating Productive, Interactive, Engaging Meetings that Bring out the Skills and Talents of the Team <i>Marie Gervais, Shift Management Inc.</i> LOCATION: FALLSVIEW A & B ■ |
| 12:00 – 13:00 | LUNCH, EXHIBITOR VISITING AND PRIZE GIVEAWAYS LOCATIONS: GREAT ROOM B ■ (LUNCH AND PRIZE GIVEAWAYS); 3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING) | | |
| Sessions 13:00 – 14:00 | Captstone Winners – Technical Focus & Business Process <i>Capstone Winners</i> LOCATION: GREAT ROOM A ■ | Reducing Arc Flash Risk with Electrical Maintenance Safety Devices <i>Martin Robinson, IRISS Group</i> LOCATION: GREAT ROOM C ■ | Design for Reliability, Optimizing Material Selection <i>Saigopal Visvanathan, Suncor Inc.</i> LOCATION: FALLSVIEW A & B ■ |
| 14:00 – 14:15 | BREAK WITH EXHIBITORS LOCATION: 3RD FLOOR FOYER ■ | | |



Day 3: Wednesday November 19th, 2014 (continued)

| | | | |
|---------------------------|--|---|--|
| Sessions 14:15 – 15:15 | Getting to the Bottom of Things <i>Cliff Williams, ERCO Worldwide</i> LOCATION: GREAT ROOM A ■ | Visy Paper: Back to Basic, Forward to World Class Lubrication <i>Suzy Hitchcock, International Council for Machinery Lubrication (ICML)</i> LOCATION: GREAT ROOM C ■ | ISO 55001 Companion Guide <i>Sally Nugent, Asset Management Council</i> LOCATION: FALLSVIEW A & B ■ |
| 15:15 – 15:30 | BREAK WITH EXHIBITORS (Last opportunity to visit exhibitors) LOCATION: 3RD FLOOR FOYER ■ | | |
| Sessions 15:30 – 16:30 | Asset Lifecycle Management...to optimize total cost of ownership <i>Ramesh Gulati, AEDC/ATA-Jacobs</i> LOCATION: GREAT ROOM A ■ | Maintenance Strategy Development <i>Jason Ballentine, ARMS Reliability</i> LOCATION: GREAT ROOM C ■ | New Rules for Managing Assets <i>Roop Lutchman, GHD Inc.</i> LOCATION: FALLSVIEW A & B ■ |
| 16:45 – 17:00 | CLOSING COMMENTS LOCATION: GREAT ROOM C ■ | | |
| 17:30 – 20:30 | ICML Exam LOCATION: FALLSVIEW A & B ■ | | |
| Event 18:00 – 20:00 | PEMAC Annual General Meeting LOCATION: GREAT ROOM C ■ | | |

Day 4: Thursday November 20th, 2014

| | | | | |
|----------------------------|--|--|---|---|
| 08:00 – 08:30 | Registration, Breakfast LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST) | | | |
| 08:30 – 08:50 | Welcome and Opening Keynote: Improving Outcomes with Asset Management - The Fundamentals with Case Studies <i>Sally Nugent, Asset Management Council in Australia</i> LOCATION: GREAT ROOM C ■ | | | |
| Workshops 09:00 – 10:00 | Rethinking Your Planning Scheduling Process <i>Michel Cote & Serge Doucet, PROSYGMA</i> LOCATION: GREAT ROOM A ■ | Maintenance and Reliability Best Practices <i>Ramesh Gulati, AEDC/ATA-Jacobs</i> LOCATION: GREAT ROOM C ■ | Optimizing Your Maintenance Program Using RCM to go from Ordinary to Extraordinary <i>James Reyes-Picknell, Conscious Asset Management</i> LOCATION: FALLSVIEW A&B ■ | MMP Module 1: An Integrated Strategy for Maintenance Management – Day Two (continued from Day One) <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |

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Use of Electrical Maintenance Safety Devices (EMSDs) such as IR Windows, ultrasound ports, and online monitoring, allow energized electrical maintenance tasks to be completed while the switchgear enclosure remains closed, providing a cost-effective way for companies to comply with the NFPA 70E standards for maximum inspection safety.



Day 4: Thursday November 20th, 2014 (continued)

| | | | | | |
|---|---|--|---|---|---|
| 10:00 – 10:15 | BREAK LOCATION: 3RD FLOOR FOYER ■ | | | | |
| Workshops 10:15 – 12:00 (continued from 09:00) | Rethinking Your Planning Scheduling Process (continued) <i>Michel Cote & Serge Doucet, PROSYGMA</i> LOCATION: GREAT ROOM A ■ | Maintenance and Reliability Best Practices (continued) <i>Ramesh Gulati, AEDC/ATA-Jacobs</i> LOCATION: GREAT ROOM C ■ | Optimizing Your Maintenance Program Using RCM... (continued) <i>James Reyes-Picknell, Conscious Asset Management</i> LOCATION: FALLSVIEW A&B ■ | Arcelor Mittal Dofasco Plant Tour (continued) LOCATION: OFFSITE | MMP Module 1: – Day Two (continued from Day One) <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 12:00 – 13:00 | LUNCH LOCATION: GREAT ROOM B ■ | | | | |
| Workshops 13:00 – 15:00 (continued from 09:00) | | Maintenance and Reliability Best Practices (continued) <i>Ramesh Gulati, AEDC/ATA-Jacobs</i> LOCATION: GREAT ROOM C ■ | Optimizing Your Maintenance Program Using RCM... (continued) <i>James Reyes-Picknell, Conscious Asset Management</i> LOCATION: FALLSVIEW A&B ■ | Arcelor Mittal Dofasco Plant Tour (continued) LOCATION: OFFSITE | MMP Module 1: – Day Two (continued from Day One) <i>Len Middleton, PEMAC</i> LOCATION: FALLSVIEW C ■ |
| 15:00 – 15:15 | CLOSING COMMENTS LOCATION: GREAT ROOM C ■ | | | | |



Special Guest: Ron James

Ron James, Award-Winning Canadian Comedian and Satirist will be our special guest speaker at the MainTrain Gala event taking place on Tuesday, November from 6:00 to 9:00 pm. Tickets are required in advance to attend this event. Hailed by critics from coast to coast, Ron James is Canada's number-one comedian, consistently packing theatres across the country. The star of his own CBC TV program, *The Ron James Show*, he cuts a wide swath through contemporary culture with his razor-sharp wit and machine-gun delivery, making him a standout among stand-up performers. With many acts at hand, there's sure to be something in Ron's vast repertoire that will resonate with your audience—not to mention have them howling with laughter.

PEMAC Awards Gala, Guest Speaker, Tuesday 18:00,
LOCATION: GREAT ROOM C ■



Special Guest: MainTrain Welcomes Niagara Falls Mayor Jim Diodati

PEMAC is pleased to welcome the Mayor of Niagara Falls, Jim Diodati to the MainTrain 2014 Conference. Jim will be on hand to welcome conference attendees on Tuesday, November 18 during an afternoon address. Jim is serving his first term as Mayor of Niagara Falls. He was elected in 2010 after having been a City Councillor since 2003. Jim's enthusiasm for Niagara Falls is infectious. He is a true ambassador and the City's biggest fan! He knows the great value that comes with the iconic Niagara Falls and brings that inspiring energy to every new project. We are very pleased to welcome Jim to MainTrain!

Closing Comments, Tuesday 16:45 to 17:00,
LOCATION: GREAT ROOM C ■



Alex Thomson, MSc CEng MIET MIAM, The Woodhouse Partnership



Alex Thomson has over 25 years' experience in the maintenance and asset management field in a range of industries, from defence facilities through, utilities, manufacturing and food. Alex is a Chartered Engineer and a member of the IET and the IAM. He has an MSc (with distinction) in Maintenance Engineering from the University of Manchester and, whilst there, won the Farnell Prize for Maintenance Engineering. Alex has developed and implemented a number of maintenance and asset management strategies, he has

developed and delivered MSc-level asset management courses. He also contributed to the 2008 IAM/BSI PAS 55 review and is a subject matter expert on shutdowns and outages for the IAM's Knowledge Centre. He was a member of the UK mirror committee which developed ISO 55000 (the international standard for Asset Management) and was the team lead for process development and documentation on the SALVO Project. He currently represents the IAM on the UK mirror committee working on the revision of ISO 9001.

SESSION: Welcome and Opening Keynote – Whole Life Asset Management: The Solution When Maintenance and Reliability Just Isn't Enough, Monday 08:15
LOCATION: GREAT ROOM C ■

Andrew Thorne, VP Mining & Operational Excellence, Cameco Corporation



In his role, Andy leads Cameco's Cigar Lake, Rabbit Lake and their U.S. mining operations as well as oversees the company's efforts to reach world-class standards in operational excellence. A native of the United Kingdom, Andy joined Cameco in 2006 as manager, maintenance and engineering at the Port Hope conversion facility. He was appointed general manager of the facility in 2007 and in 2009 Andy became vice-president of Cameco's Ontario facilities (fuel services division), which consists of the Blind River refinery, the Port Hope conversion

facility and Cameco Fuel Manufacturing Inc. More recently Andy held the position of vice-president, operational excellence, technology and US operations. In January 2014 he accepted his current position of vice-president, mining and operational excellence.

SESSION: Welcome and Opening Keynote, Tuesday 07:45
LOCATION: GREAT ROOM C ■



Keynote Speakers (continued):

Glenn Sawyer,
Director, Operational Excellence
Advanced Manufacturing, SAP



Glenn has been with SAP for the last four years leading the Center of Operational Excellence for Manufacturing and Operations in Canada. Prior to SAP Glenn led the MES Manufacturing Execution Software Practice for Rockwell Automation in Canada. He has consulted with best in class organizations in cultural adoption of technology solution. Directly working in the discrete with world class companies such as Toyota, Ford, Magna, Bombardier, BRP, and in the Process space with Suncor, Goldcorp, Encana, Cenovus to name a few.

SESSIONS: **Welcome and Opening Keynote**, Wednesday 07:45

LOCATION: GREAT ROOM C ■;

SAP Plant Maintenance Module Workshop, Monday 09:00 to 12:00

LOCATION: GREAT ROOM A ■;

Good Asset Management with Integrated Enterprise Information, Tuesday 11:00

LOCATION: FALLSVIEW A & B ■

Sally Nugent, CEO, Asset Management Council



Over the last nine years, Sally has played an integral role in elevating the Asset Management Council as an independent professional body. The AMC is a non-profit, member network committed to advancing asset management knowledge and capability, and uniting professionals and organizations from asset intensive industries. Sally has held previous positions with the Australian Corrosion Association and Comalco Research Centre where she implemented projects that improved plant operations, quality and overall customer satisfaction.

SESSIONS: **Welcome and Opening Keynote: Improving Outcomes with Asset Management - The Fundamentals with Case Studies**,

Thursday 08:30 LOCATION: GREAT ROOM C ■;

ISO 55001 Companion Guide,

Wednesday 14:15 LOCATION: FALLSVIEW A & B ■

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Special Features:

ICML Exam

(International Council for Machinery Lubrication)



The ICML Exam will be available on Wednesday, November 19th from 5:30 PM to 8:30 PM. Pre-registration of the exam is required. To register for the exam, please submit your application form (www.icmlonline.com/apply/) directly with ICML.

Visit the ICML website (www.lubecouncil.org) for more information about the exam, as well as the Council and its Certification Program.

Wednesday 17:30 to 20:30,

LOCATION: FALLSVIEW A & B ■

PEMAC Annual General Meeting



This year's Annual General meeting will be busy! We will review the progress of the association for the last year, introduce the strategic plan for the coming 5 years and get the member's input, approve the coming year's budget, elect 10 individuals to the Board of Directors and approve new bylaws that will bring us into compliance with the new Canadian Not for Profit Corporations act. That's a lot of business. Hopefully we'll have some fun while we're at it.

PEMAC Annual General Meeting (AGM) will be held on Wednesday, November 19th from 6:00 to 7:00 pm. All PEMAC members are invited to attend.

Wednesday 18:00 to 20:00,

LOCATION: GREAT ROOM C ■



Presenters:

David Armstrong, Senior Reliability Practitioner, Bentley Systems



David is a Senior Reliability Practitioner and User Engagement Manager at Bentley. Prior to Bentley, David worked as a Maintenance Manager at Hendrickson Canada, Lean Manufacturing Director for ArcelorMittal Tubular, Maintenance Excellence Transformation Manager at ArcelorMittal Flat Carbon Europe. He is a Senior Change Leader for the Progress Academy and a Six Sigma Blackbelt. David is speaking about **Asset Management Strategy – Developing the Master Plan** on Tuesday at 14:15.

SESSION: **Asset Management Strategy – Developing the Master Plan**, Tuesday 14:15 LOCATION: FALLSVIEW A & B ■

Jason Ballentine, Engineering Manager – North America, ARMS Reliability



Jason is trade qualified, has a Bachelor Degree in Mechanical Engineering and is a Certified Maintenance and Reliability Professional. Jason currently resides in Austin Texas and manages ARMS Reliability engineering services and oversees all reliability improvement projects in North America. Jason regularly completes reliability improvement projects working with onsite client teams to collate available information, analyze data, facilitate the validation and review of data, develop simulation models, generate reports and support implementation. A regular presenter, Jason also has had articles published

in various maintenance journals including Uptime and the Maintenance and Engineering Journal. See Jason speak on Wednesday at 15:30 on the topic: **Maintenance Strategy Development**.

SESSION: **Maintenance Strategy Development**, Wednesday 15:30 LOCATION: GREAT ROOM C ■

Dave J. Brill, Associate Vice President of Asset Management Services, Black & Veatch Corporation

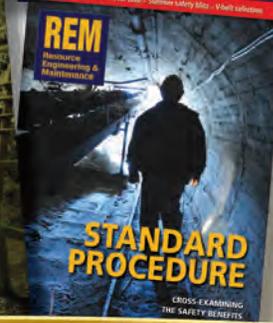
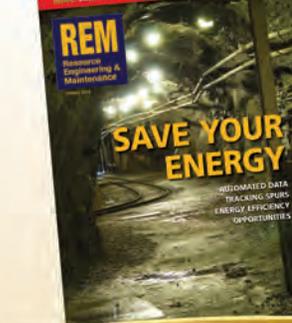
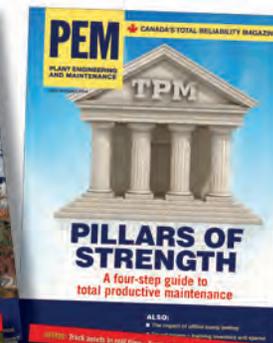
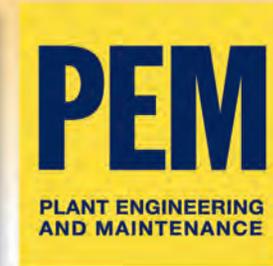


Dave is Associate Vice President in the Power Generation Services business unit. As a Senior Project Manager for Smart Integrated Infrastructure (SII), his primary responsibility is oversight of Black & Veatch's performance engineering products and services. Black & Veatch operates comprehensive Monitoring and Diagnostics (M&D) centers in Kansas City and Pune, India covering both fossil and renewable assets. The group also provides a full complement of engineering services such as energy efficiency assessments, testing and coal-fired combustion optimization consulting.

Join Dave as he presents with Pat Parker from Carver PA Corporation, about **Performance and Equipment Condition Monitoring: A Case Study at Atco Power** scheduled Tuesday at 15:30.

SESSION: **Performance and Equipment Condition Monitoring:**

A Case Study at Atco Power, Tuesday 15:30 LOCATION: GREAT ROOM C ■



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Annex Business Media



Presenters (continued):

Michel Cote, Senior Manager, PROSYGMA, Reliability and Maintenance Professional Services



Michel has over 15 years of experience implementing maintenance and Reliability best practices. He recently held the position of Corporate Maintenance Systems Manager for a major paper company where he performed benchmarking activities and implemented maintenance best practices for 16 mills all over North America. Michel spent most of his career working for one the world's largest mining & metals company where he successfully implemented and managed planning and Reliability activities. Discover Michel's insight during his workshop: **Rethinking Your Planning and Scheduling Process** on Thursday at 09:00, alongside Serge Doucet.

SESSION: **Rethinking Your Planning and Scheduling Process**, Thursday 09:00,
LOCATION: GREAT ROOM A ■

Dharmen Dhaliah, Manager Asset Management, Solid Waste Management Services, City of Toronto



Dharmen is currently leading the development and implementation of an Asset Management framework for the SWMS Division in City of Toronto. Prior to that Dharmen worked for five years in Toronto Water as Engineer/Senior Engineer, Asset Reliability where he lead the development and standardization of maintenance and reliability practices across Toronto Water & Wastewater sites /facilities He also successfully developed and lead the implementation of a condition based maintenance program to improve asset performance. Dharmen

has over 23 years of experience in maintenance & reliability engineering, operations & asset management, and project management in a wide range of industry. Dharmen is a member of the Board of Director of PEMAC and was also involved with the Canadian Advisory Committee (CAC) for the development and review of the Asset Management ISO 5500 Suite Standards. Dharmen is fluently bilingual and he is instructor of the Maintenance Management Program (MMP) for Northern Lakes College, Alberta and École de Technologie Supérieure, Quebec. Don't miss Dharmen's session **Realizing Value from your CBM Program** on Tuesday at 09:45.

SESSION: **Realizing Value from your CBM Program**, Tuesday 09:45
LOCATION: GREAT ROOM A ■



Cameco is a strong believer in Operational Excellence. We are proud to support delegates in their similar journey.

Kristopher Dominato, Maintenance Coordinator, Canadian Tire



He has been in the maintenance field for 16 year and wears many hats including industrial electrician, technician, industrial automation controls, small projects management as well as an electronics engineer. He is a recent also a graduate of the MMP certificate program. See Kristopher on Wednesday at 08:30 when he presents: **Utilizing Maintenance Expertise Across the Organization**.

SESSION: **Utilizing Maintenance Expertise Across the Organization**, Wednesday 08:30 LOCATION: GREAT ROOM A ■

Serge Doucet, Maintenance Planning Specialist, PROSYGMA, Reliability and Maintenance Professional Services



Serge holds the position of maintenance planning specialist at Prosygma since 2012. He has more than 20 years of experience working in industrial maintenance. Before joining Prosygma, he has worked for world class organizations like Noranda, Reynolds Aluminium, QIT-(Quebec Iron and Titanium)and Johnson & Johnson. Participate in Serge's workshop: **Rethinking Your Planning and Scheduling Process** on Thursday at 09:00, when he presents with Michel Cote.

SESSION: **Workshop: Rethinking Your Planning and Scheduling Process**, Thursday 09:00 LOCATION: GREAT ROOM A ■



Presenters (continued):

**Bob Dougherty, Manager - Maintenance Engineering,
Toronto Transit Commission**



As a graduate of McGill University and member of PEO with over 40 years of engineering experience, Bob has been employed for over 25 years as the Manager of Maintenance Engineering in Rail Cars & Shops Department of the Toronto Transit Commission. This position involves resolving problems on revenue and maintenance subway vehicles where engineered solutions and fleet modifications are required. In addition, over 20 different types of specialized diesel and electric powered subway maintenance vehicles have

been designed and developed. Previously, he was employed with Massey Ferguson in Toronto as a design, staff and project engineer on self-propelled harvesting machines. His experience has shown that incorrect and misapplied fasteners are often found to be the root cause of equipment failures. His presentation on "Practical Application of Fasteners" provides an overview of training provided to subway vehicle maintenance staff at TTC. Join Bob for his session **Practical Application of Fasteners** on Wednesday at 11:00.

SESSION: *Practical Application of Fasteners*, Wednesday 11:00 LOCATION: GREAT ROOM C ■

Ron Doucet, Founder, RYKE Reliability



Ron has successfully turned around the performance of existing sites/plants and set others up with a culture of asset management excellence as part of operations readiness initiatives. This has been accomplished through the determination and, more importantly, the implementation of maintenance and operating tasks, leadership skills, work processes and the supporting management systems. Ron is the founder of RYKE Reliability and the creator of best practice RCM based improvement processes to

improve maintenance tasks (PMO Pro), to determine and review required spares (RSC Pro) and to perform root causes failure analyses (RCFA Pro). Ron has been providing training in RCM2 as part of the Aladon network and training on all RYKE improvement processes to many companies for over 15 years such that companies can become self-sufficient in their improvement efforts. Ron speaks about **Management Systems for Sustaining a Culture of Asset Management Excellence** on Wednesday at 09:45.

SESSION: *Management Systems for Sustaining a Culture of Asset Management Excellence*, Wednesday 09:45 LOCATION: FALLSVIEW A & B ■

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Nathalie Drouin, President, Fixturlaser Canada Inc.



Nathalie graduated as a mechanical engineer, at McGill University in Montreal, and joined the company of her father "Services Techniques Claude Drouin Inc." in 1990 as a sales representative. Her expertise in the field of laser alignment comes from numerous years of alignment field services, training and exchanges with the end users in industry. She has given several lectures and training on laser alignment across Canada. President since 1995 and owner since 2010, she wanted to pursue one of the goals established by her

father, which was, to be a recognized leader, in the alignment field, in Canada. Amongst her projects to conquer the alignment world, she established Fixturlaser Canada in 2011, thus better serving the rest of Canada and increasing the Fixturlaser visibility. Hear Nathalie speak with Micheline Lavoie about **Realigning Canada Journey** on Tuesday at 13:00.

SESSION: *Realigning Canada Journey*, Tuesday 13:00 LOCATION: GREAT ROOM C ■

**Nigel D'Souza, Manager, Asset & Maintenance Management,
Ontario Clean Water Agency (OCWA)**



Nigel leads the Ontario Clean Water Agency's (OCWA) Asset & Maintenance Management Group, where he provides guidance and expertise in the evolution of the organization's asset management program and reliability improvement strategies, as well as the computerized maintenance management system (CMMS). Nigel is a Professional Engineer in Ontario and holds a bachelor's degree in Mechanical Engineering. Following a stint in quarrying operations, Nigel joined OCWA as a

Maintenance System Specialist, and continues to contribute to and manage projects in maintenance program development, and asset management. Meet Nigel during the **Maximo Workshop** he is hosting with Mary Jane Pearson on Monday at 13:00.

SESSION: *Maximo Workshop*, Monday 13:00 LOCATION: GREAT ROOM A ■



Presenters (continued):

Christopher Gaspard, Reliability Practices Lead, Asset Performance Group



Christopher is an Aladon-Certified RCM2 Practitioner and Equipment Asset Management Practitioner who has built his career on an international stage and across industrial sectors which include Oil & Gas (both offshore & onshore), Raw Metal Refining, Manufacturing and Water & Wastewater. Learn about **Duty/Standby Philosophy** when Christopher speaks on Tuesday at 11:00.

SESSION: **Duty/Standby Philosophy**, Tuesday 11:00
LOCATION: GREAT ROOM C ■

Marie Gervais, PhD., Director, Shift Management Inc.



Marie provides managerial training, eLearning, program assessments and intercultural competency leadership for business and industry. With her background in business support, learning design for measurable outcomes and intercultural competence, she applies field-based practical tools to workplace problems and facilitates collaborative learning among experts and novices alike. Marie is an active member of the Manufacturing Leadership Executive and serves on the Workforce Development and Leadership committees.

Fluent in both English and French, she is a certified adult learning specialist with the Canadian Society for Training and Development, has her training for Return on Investment credentials with ROI Canada, is a certified evaluator with Canadian Society for Evaluation and holds her level one in International Mentorship Training Certificate. Join Marie during her session: **How to Facilitate Productive, Interactive, Engaging Meetings that bring out the skills and talents of the team** on Wednesday at 11:00.

SESSION: **How to Facilitate Productive, Interactive, Engaging Meetings that bring out the skills and talents of the team**, Wednesday 11:00
LOCATION: FALLSVIEW A & B ■

Ramesh Gulati, Asset Management & Reliability Planning Manager with Aerospace Testing Alliance, Arnold Engineering Development complex (AEDC)



In his position, Ramesh provides cost effective maintenance/reliability strategies and supports implementation of long term reliability improvement initiatives for the Aerospace Test facility. He is a Certified Maintenance & Reliability Professional (CMRP), Certified Reliability Engineer (CRE) and Certified Reliability Leader (CRL). He is an author/co-author of recently released books "Maintenance & Reliability Best Practices" (2013/2009) and MRBP Workbook (2014), **Continued on next page >>**

Ramesh Gulati (continued)

>> **Continued from previous page** "Professional's Guide to Maintenance & Reliability Terminology" (2010). He was instrumental in establishing of an ISO certified Asset Management process (Tailored 9001) since 2004, and also a member of US TAG/ pc251 team which has been supporting development of ISO 55000. Ramesh has also just been awarded the top 2014 CMRP of the Year Award for the Veteran Professional category. Be sure to catch Ramesh during his workshop: **Review of Maintenance -Reliability and Asset Management Best Practices** on Thursday at 9:00 am, or during his session **Asset Life Cycle Management...to optimize total cost of ownership** on Wednesday at 15:30.

SESSION: **Asset Life Cycle Management...to Optimize Total Cost of Ownership**, Wednesday 15:30 LOCATION: GREAT ROOM A ■

Chris Herron, Lead Maintenance Planner, Cameco



Overseeing all planning and scheduling functions, Chris is the lead planner for the Maintenance department at Cameco Corporations' conversion facility in Port Hope Ontario, home of Canada's only CANDU fuel manufacturer. He is also the team lead for the Work Management aspect of the site's Operational Reliability program. Chris has held a number of positions with Cameco including millwright and maintenance supervisor. Chris will be presenting during the workshop **Operational Reliability, Ongoing Journey Towards Reliability Excellence** along with J.-P. Pascoli at Cameco on Monday at 13:00.

SESSION: **Operational Reliability, Ongoing Journey Towards Reliability Excellence**, Monday 13:00 LOCATION: GREAT ROOM C ■

Mike Hildebrand, Manager of Process Improvement and Planning, Spectra Energy: Union Gas Limited



Mike is the Manager of Storage and Transmission Operations Process Improvement and Planning and Union Gas Limited which is a Business Unit Operating within Spectra Energy in Ontario, Canada. The Process Improvement and Planning Group has accountability for business process development, documentation and improvement as well as providing leadership on many company-wide projects and initiatives. Mike has over 10 years of experience in Maintenance and Operations in both the Pulp and Paper and the Natural Gas Industries. Mike

has bachelor's degrees in Mechanical Engineering (Aerospace) from Carleton University and Physics from the University of Waterloo. Mike is speaking with Terry Taylor from IDCON about **Union Gas, the Road to Maintenance Excellence** on Tuesday at 11:00.

SESSION: **Union Gas, the Road to Maintenance Excellence**, Tuesday 11:00
LOCATION: GREAT ROOM A ■



Presenters (continued):

Suzy Hitchcock, Executive Director, International Council for Machinery Lubrication



She has a Bachelor's in Social Communication with a major in Marketing and has been involved in industry for over twenty years. Suzy is a delegate for Australia to ISO, where she has been the project leader for ISO standards on the qualification and assessment of lubrication and oil analysis personnel. Suzy will be presenting **Visy Paper: Back to Basic, Forward to World Class Lubrication** Wednesday at 14:15. ICML will also be hosting

certification exams at the conference. See ICML note above for more details.

SESSION: **Visy Paper: Back to Basic, Forward to World Class Lubrication**, Wednesday 14:15
LOCATION: GREAT ROOM C ■

Christer Idhammar, Founder and Executive Vice President, IDCON Inc.



Christer has worked world wide as a award winning and recognized reliability and maintenance management consultant since 1968. He has received the Euromaintenance incentive award in Helsinki 2002 for "In recognition for international contribution to the field of industrial reliability and maintenance" and from the Salvetti foundation in Brussels 2008 as best presenter among 158 presenters. Best presentation award Reliability2.0 Las Vegas 2013. Christer will be presenting during the workshop **Results Oriented Maintenance Management** on

Monday at 09:00, as well as Tuesday at 08:30 during the session: **What KPIs to Use When**.

SESSIONS:

Results Oriented Maintenance Management, Monday 09:00 LOCATION: GREAT ROOM C ■ ;
What KPIs to Use When, Tuesday 08:30 LOCATION: GREAT ROOM A ■

Reid Jenner, Vice President Canadian Operations, Commissioning Agents International



Reid is a senior asset management consultant with broad experience managing strategic accounts and designing and implementing performance improvement solutions across the enterprise. He specializes in reliability benchmarking and continuous improvement, including the development of systems, procedures, and skills to maximize productivity and quality while minimizing risk. Reid will be presenting **Optimizing Your Defect Elimination Program** on Wednesday at 08:30.

SESSION: **Optimizing Your Defect Elimination Program**, Wednesday 08:30
LOCATION: GREAT ROOM C ■

Roopchan Lutchman, Lead Business Consulting, GHD Inc.



Roop is GHD's Leader (Americas) for Business Consulting and is based in its Mississauga office. He has over 30 years of combined management consulting and industry experience. A professional engineer and a recognized industry expert in the Management Consulting area with specific focus in Strategic Planning, Business Optimization, Asset Management, Organizational development, Operations & Maintenance and use of Technology to enable Business Processes. Roop presents **New Rules for Managing Assets** on Wednesday at 15:30

SESSION: **New Rules for Managing Assets**, Wednesday 15:30
LOCATION: FALLSVIEW A & B ■

Murray Macza, Market Development Manager, Emerson Process Management (EPM)



Murray leads Management Resources Group Inc.'s, a division of EPM, reliability consulting business in Western Canada. He holds an MBA from Wilfrid Laurier and for the last 16 years has worked in Calgary serving oil & gas, mining and power generation clients in the fields of reliability and maintenance, process safety and functional safety. Murray has also worked for 13 years with North America's largest privately held company, Cargill Ltd., in finance, capital planning and business development positions. Murray presents **Business Justifications for Maintenance, Reliability and Readiness** on Tuesday at 15:30.

SESSION: **Business Justifications for Maintenance, Reliability and Readiness**, Tuesday 15:30 LOCATION: FALLSVIEW A & B ■

Kendal Martens, P.Eng, Water Treatment Maintenance Planning Leader, Water Services, The City of Calgary



After graduating from the University of Calgary in Mechanical Engineering Kendal worked in high rise building mechanical design, small commercial and recreational maintenance program development, of course travelled - Aussie land that is. At present, Kendal has worked at the City of Calgary in Water and Wastewater Treatment for over 20 years all in the operations and maintenance of treatment plant facilities. His current role involves leading the Maintenance Planning group responsible for planning, coordinating, and scheduling

operations and maintenance work activities for the Water Treatment Plants. The main functions this group provides include: asset inventory and specification information, support for the operation and utilization of the Work and Asset Management computer application, enhancing the reliability of the plant operation, **Continued on next page >>**



Presenters (continued):

Kendal Martens, P.Eng (continued)

>> **Continued from previous page** Repair vs Replace Decision Strategy, Material Management Strategy, Regional Shutdown and Turnaround Program, Preventive Maintenance Program, Predictive Maintenance Technology, Asset Management Strategy, and Life cycle asset profiling and rehabilitation program.

SESSION: **Conditioned-based Maintenance Strategy for the Shaganappi Pump Station**, Tuesday 14:15 LOCATION: GREAT ROOM A ■

Eric McCoy, Chief Design Engineer, Engineering & Maintenance, Cameco Corporation



Eric is the chief design engineer at Cameco Corporation's conversion facility in Port Hope Ontario, home of Canada's only CANDU fuel manufacturer. He holds a degree in mechanical engineering from Queen's University and is a licensed engineer with Professional Engineers Ontario. Eric is also a registered project management professional (PMP) with PMI. Stop by Eric's session on Wednesday at 11:00 to learn about **Energy Management Incentives Case Study**.

SESSION: **Energy Management Incentives Case Study**, Wednesday at 11:00 LOCATION: GREAT ROOM A ■

Brad McDonald, Vesta Partners



Brad is a certified SAP Plant Maintenance professional with more than fourteen years of SAP experience in the utilities, manufacturing and pharmaceutical industries. Brad brings strong interpersonal skills, proven project leadership (he is PMP certified), and extensive experience in the delivery of full-cycle SAP PM implementations including stringent quality and regulatory requirements (e.g. SOX, ISO9001, GxP, CFR 21 Part 11). Brad's technical skills are well paired with his practical plant floor experience as a packaging supervisor and production supervisor. Brad has his Bachelor of Science in Biology from University of Toronto and his Certificate in Computer Programming ICCP. Brad will be hosting the **SAP Plant Maintenance Module Workshop** on Monday at 09:00 along with Glenn Sawyer and Laura Childerson from SAP.

SESSION: **SAP Plant Maintenance Module Workshop**, Monday 09:00
LOCATION: GREAT ROOM A ■

Bill Mercer, General Manager, Shepard Energy Centre, ENMAX Energy Corporation



Bill is responsible for the Operations and Maintenance set up and implementation at the Shepard Energy Centre (SEC) and the management of the facility post commissioning. This work includes the development and application of a long term asset management system for the power station to provide safe, reliable, compliant, and cost competitive delivery of electricity. As the senior manager at the power station he has overall accountability for the financial performance of the plant both in the short and long term. Working closely with ENMAX management and the plant owners he is responsible for developing the strategic processes for

maximizing returns on the assets installed. Hear Bill speak about the **Shepard Energy Centre - Building an Asset Management Plan from Scratch**, during his session Tuesday at 13:00.

SESSION: **Shepard Energy Centre - Building an Asset Management Plan from Scratch**, Tuesday 13:00 LOCATION: GREAT ROOM A ■

Ned Meyer, Vice President Professional Services, MROConnection



Ned has over 30 years of management experience in businesses related to MRO parts distribution, enterprise asset management systems, and MRO decision support. Ned began his career at Detroit Ball Bearing Co. prior to founding Applied Resource Management Group (ARM) Inc. in 1986. ARM Group Inc. was one of the first outsourced MRO storeroom service companies and managed 33 storerooms. Maintenet Corporation evolved through ARM Group to create the first internet based MRO e-commerce network. These enterprises are currently

owned and operated by IBM. Ned also founded Efficient Systems and was a co-founder of MRO Direct. Ned served as the Director of Strategic Accounts for PSDI (IBM). Ned is one of the founders of Xtivity and MROConnection. In his current day-to-day capacity at Xtivity and MROConnection, Ned is Vice President of Professional Services. He also oversees the implementation of the xIO service across all industry segments. Stop by Ned's session **The MRO Lifecycle...Can You Really Make a Difference?** on Tuesday at 14:15.

SESSION: **The MRO Lifecycle...Can You Really Make a Difference?**, Tuesday 14:15
LOCATION: GREAT ROOM C ■



Presenters (continued):

Leonard Middleton, PEMAC



Leonard is an experienced international consultant with over 35 years' experience and focuses upon improving clients' organizational performance through improvements in their maintenance, reliability and asset management strategy, practices and processes. He has worked and consulted in a number of different asset intensive industries, including heavy manufacturing, automotive, mining, oil & gas, petrochemical, electrical power generation, electrical transmission and distribution, and forest products. He is a long term member

of PEMAC and currently a member of the board of directors. He has taught a number of the MMP courses for over ten years, and has developed and reviewed content for a number of the courses, including developing content for MMP module 1. Meet Leonard as he teaches the **MMP Module One** course taking place on Monday and Thursday.

SESSION: **MMP Module One**, Tuesday 09:00 to 16:30, and Thursday 09:00 to 15:00

LOCATION: FALLSVIEW C ■ (MONDAY NOV. 17 & THURSDAY NOV. 20)

Peter Neve, President and COO, FieldWorker Mobile Solutions.



Peter has eighteen years experience working with client organizations to help them improve their performance through work process automation and measurement. Unlike managing shop floor activities, mobile worker activities are intrinsically difficult to manage. Today's smart mobile business applications will measure performance against standards and provide managers visibility across their key performance indicators. Peter has made industry presentations in North America, Central America, UK and Australia-New Zealand. Be sure to attend Peter's session on Wednesday at 09:45 about **Work Process Management Delivers To Expectations**.

SESSION: **Work Process Management Delivers To Expectations**, Wednesday 09:45

LOCATION: GREAT ROOM A ■

Boudewijn Neijens, CMO, Copperleaf Technologies



Boudewijn holds a degree in Mechanical Engineering from the University of Brussels, an MBA from INSEAD in France, and CMRP and CRL certifications. His has been involved with high-technology startups for the last 20 years, currently in the fields of asset management and of environmental data processing. He is Chief Marketing Officer at Copperleaf Technologies in Vancouver, BC. Boudewijn presents **Are Your Decisions Truly Optimal?** on Wednesday at 08:30.

SESSION: **Are Your Decisions Truly Optimal?**, Wednesday 08:30

LOCATION: FALLSVIEW A & B ■

Jennifer Ouyang, Maintenance Engineer, City of Calgary - Water



Jennifer is a professional engineer, project management professional and maintenance management professional. She has worked at

the City of Calgary for over 5 years at a maintenance engineer in Water Treatment Plants. Her main focus is on maintenance strategy planning and management, process mapping, RCM analysis, optimization and benchmarking. She has recently joined Calgary Fire Department (CFD) as a senior Infrastructure Engineer in the Infrastructure Planning team. In this new role, she is responsible for infrastructure investment planning, operation and maintenance strategic planning, performance management, asset management and TCA reporting, process and best business practices management. Jennifer is speaking with her colleague Kendal Martens on: **Conditioned-based Maintenance Strategy for the Shaganappi Pump Station**, taking place Tuesday at 14:15.

SESSION: **Conditioned-based Maintenance Strategy for the Shaganappi Pump Station**, Tuesday 14:15 LOCATION: GREAT ROOM A ■

Pat Parker, Senior Technical Advisor, Carver PA Corporation



Pat graduated in Education and Mechanical Engineering from the University of Alberta. Since teaching High School math and science, he has held positions in Operations, Maintenance, Engineering, and Project Management. Most recently, Pat provided maintenance and reliability services, at two ATCO Power generating stations, before joining Carver PA as an Instructor and Senior Technical Advisor. Learn about **Performance and Equipment Condition Monitoring** with Pat on Tuesday at 15:30.

SESSIONS: **Performance and Equipment Condition Monitoring**,

Tuesday 15:30 LOCATION: GREAT ROOM C ■ ,

Problem Solving Tools for a High Performance Team,

Monday 09:00 LOCATION: FALLSVIEW A & B ■



FT Services is a leading maintenance, turnaround and project services provider working with major producers across Canada to increase production and lower operating costs in their facilities.

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Presenters (continued):

J.-P. Pascoli, Manager, Engineering & Maintenance, Cameco Corporation



J.-P. is Manager of Engineering & Maintenance at Cameco Corporation's conversion facility in Port Hope Ontario. Prior to this he was Manager of Maintenance & Reliability for OSB producer Grant Forest Products and Superintendent of Maintenance Services for pulp and paper manufacturer Tembec. J.-P. has also formerly held a number of positions with nickel producer Falconbridge (now Glencore), including senior projects engineer, and senior maintenance engineer. He holds a degree in mechanical engineering from Queen's University and is

a graduate of the University of Toronto's Physical Asset Management Program. J.-P. is a licensed engineer with Professional Engineers Ontario and Ordre des ingénieurs du Québec, as well as a certified maintenance and reliability professional with SMRP. J.-P. will be co-hosting a workshop with Chris Herron about **Operational Reliability, Ongoing Journey Towards Reliability Excellence** on Monday at 13:00. He is also presenting the session: **Maintenance Crew Performance Management through KPIs** on Tuesday at 15:30.

SESSIONS: **Workshop: Operational Reliability, Ongoing Journey Towards Reliability Excellence**, Monday 13:00 LOCATION: GREAT ROOM C ■; **Maintenance Crew Performance Management through KPIs**, Tuesday 15:30 LOCATION: GREAT ROOM A ■

Mary Jane Pearson, Sr. Functional Architect, EMA Canada Inc.



Mary Jane has over 25 years of experience with Asset Management Systems, including 10 years with IBM's Maximo Asset Management system. She offers a wide range of expertise across many industries as well as a sound knowledge of technology. She works very closely with customers in architecting Maximo to ensure it addresses their business requirements. Mary Jane's portfolio of Maximo functional knowledge is extensive. Attend Mary Jane's **Maximo Workshop** on Monday at 13:00.

SESSION: **Maximo Workshop**, Monday 13:00 LOCATION: GREAT ROOM A ■

James Reyes-Picknell, President, Conscious Asset Management



James is founder and president of Conscious Asset and best-selling author of "Uptime—Strategies for Excellence in Maintenance Management" (2nd edition). His career spans some 37 years since graduation as a Mechanical Engineer. All of that career has been focused in the realm of Physical Asset Management, Maintenance and Reliability. He has served as a ship's engineer in the Canadian Navy, worked as a machinery specialist with Esso Chemicals, **Continued on next page >>**

James Reyes-Picknell (continued)

>> **Continued from previous page** developed maintenance programs for ships, aircraft and ground based avionic systems, consulted in the field since 1995 and been running Conscious Asset successfully for over 10 years. He has been an advocate of good Asset Management practices and the new standards in Canada and has begun offering training and certification examinations for Asset Managers in collaboration with the UK's Asset Management Academy. Speak with James at his session: **ISO 5500X - an overview and what it means to you** taking place on Tuesday at 08:30. James will also be hosting the workshop: **Optimizing Your Maintenance Program using RCM to go from Ordinary to Extraordinary** on Thursday at 09:00.

SESSIONS: **ISO 5500X – An Overview and What it Means to You**, Tuesday 08:30 LOCATION: FALLSVIEW A & B ■; **Workshop: Optimizing Your Maintenance Program using RCM to go from Ordinary to Extraordinary**, Thursday 09:00 LOCATION: FALLSVIEW A & B ■

Martin Robinson, CEO, IRISS Group



For over 30 years, Martin Robinson has been a pioneer in the field of maintenance technology. Robinson, an innovator and pioneer of Infrared (IR) Thermography has consulted with international maintenance and reliability leaders on electrical preventive maintenance and electrical safety standards of NFPA and OSHA. A recognized authority in the field of IR Thermography, Robinson has designed CBM programs to include IR, non-destructive Testing (NDT) and implementation of green energy initiatives and energy management strategies. Hear Martin discuss

Reducing Arc Flash Risk with Electrical Maintenance Safety Devices, Wednesday at 13:00.

SESSION: **Reducing Arc Flash Risk with Electrical Maintenance Safety Devices**, Wednesday 13:00 LOCATION: GREAT ROOM C ■

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Presenters (continued):

Neville Sachs



A graduate of Stevens Institute of Technology majoring in mechanical and chemical engineering, he has been involved with industrial equipment reliability for over 40 years. Author two books on failure analysis and contributed section to two others and well as more than 40 technical articles and papers on equipment reliability and failure analysis. Neville is hosting a workshop on Monday at 13:00 titled: **Failure Analysis of Shafts and Fasteners**.

SESSION: **Workshop: Failure Analysis of Shafts and Fasteners**, Monday 13:00

LOCATION: FALLSVIEW A & B ■

Bill Sugden, Manager North America, Ausenco Rylson



Bill is highly experienced in Maintenance and Asset Management, having worked in a variety of consulting, senior management and staff positions relating to Operations, Maintenance and Asset Management over the last 30 years across aluminum smelting, coal mining and petro-chemical industry. In his career, he has gained extensive experience in most aspects of Maintenance and Reliability Improvement including: Maintenance and Asset Management Audits and Assessments, Maintenance Benchmarking, Root Cause Analysis Training and Facilitation, Reliability Centred Maintenance and

PM Optimization Facilitation as well as Maintenance Work Management Process Improvement. Don't miss Bill's session: **Asset Management and Financial Enlightenment** taking place Tuesday at 09:45.

SESSION: **Asset Management and Financial Enlightenment**, Tuesday 09:45

LOCATION: FALLSVIEW A & B ■

Terry Taylor, Senior Consultant, Idcon Inc.



Terry is a Senior Reliability and Maintenance Management Consultant with IDCON INC. Terry brings thirty-five years of day-to-day practical field experience to IDCON that includes involvement in all phases of maintenance and management from Staff Engineer to General Manager. Terry has extensive equipment knowledge, proficiency in short and long term planning, scheduling, personnel management, safety management, budgeting, equipment reliability, continuous improvement and consulting.

Terry is a Registered Professional Engineer in Texas and a Certified Maintenance and Reliability Professional through SMRP. Terry is speaking with Mike Hildebrand from Union Gas about **Union Gas, the Road to Maintenance Excellence** on Tuesday at 11:00.

SESSION: **Union Gas, the Road to Maintenance Excellence**, Tuesday 11:00

LOCATION: GREAT ROOM A ■

Dragan Trivanovic, PdM Manager, Zellstoff Celgar Limited Partnership ZCL



Dragan has been with Zellstoff Celgar for the past eight years, responsible for the overall equipment reliability for one of the largest and most modern single line kraft pulp mills in North America, located in British Columbia, Canada. Originally from Croatia, he is a mechanical engineer and certified vibration analyst, and has worked in a variety of maintenance roles at major operations across North America over the last twenty-two years. Vastly experienced with decision support diagnostic systems, Dragan

enjoys applying his practical application engineer knowledge to new technologies and techniques used in the maintenance field. He is also the winner of the Uptime Maintenance Awards best ODR program 2013 (Team Leader). Meet Dragan during his session with Walter Del Degan, **Condition Monitoring** on Tuesday at 09:45.

SESSION: **Condition Monitoring**, Tuesday 09:45 LOCATION: GREAT ROOM C ■

Saigopal Visvanathan, Lead Asset Management, Suncor Energy



Saigopal is a Professional Engineer and Certified Maintenance and Reliability Professional (CMRP) with more than 20 years of maintenance and reliability experience in oil and gas industry. He has worked in both onshore and offshore oil and gas installations in India and Central Asia. At present, he is working for Suncor Energy, Calgary and is responsible for setting up Asset Management System for new assets in Oil Sands. Saigopal will be speaking at MainTrain on **Design for Reliability, Optimizing Material Selection** taking place on Wednesday at 13:00.

SESSION: **Design for Reliability, Optimizing Material Selection**, Wednesday 13:00

LOCATION: FALLSVIEW A & B ■



Cliff Williams, Corporate Maintenance Manager, ERCOR Worldwide



Cliff is author of the best selling maintenance novel 'People - A Reliability Success Story'. He is a maintenance educator and a keynote speaker at conferences around the world. Cliff has worked in the steel, pulp and paper industries as well as for food giants Coca Cola, Kraft and Wrigleys. Cliff's focus has always been on developing the systems and people he has worked with - whatever the industry. Cliff is Corporate Maintenance Manager with ERCO Worldwide a Canadian Chemical manufacturer with plants in North and South America. Cliff presents **Getting to the Bottom of Things** on Wednesday at 14:15.

SESSION: **Getting to the Bottom of Things**, Wednesday 14:15 LOCATION: GREAT ROOM A ■

Bill Winkler, Consultant Electrical, Canadian Copper & Brass Development Association



Over 40 years experience in general management of non-ferrous manufacturing facilities and businesses (primary copper fabrication, foundries, machine shops) in Canada, Europe and Mexico. Products ranged from copper strip, bar and tube to 500 kg pump casings to 0.1 gm saw teeth in the 100,000's. Bill is speaking about **Motor Management** on Tuesday morning at 08:30.

SESSION: **Motor Management**, Tuesday 08:30
LOCATION: GREAT ROOM C ■

07:30 –
08:15

Registration and Breakfast

LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING);
GREAT ROOM B ■ (BREAKFAST)

08:15 –
08:50

Welcome and Opening Keynote – Whole Life Asset Management

Alex Thomson, The Woodhouse Partnership,

In his keynote presentation, Alex will explore the various stages of asset life and the decisions which must be made in each, as well as discuss the meaning of whole life asset management. You will also be introduced to modern methods of cost/risk evaluation and optimization; and see some practical approaches to whole life cycle asset management and how this impacts maintenance and reliability. Alex will explore maintenance and reliability in the context of your organization and challenge maintenance and reliability professionals to consider alternative approaches.

LOCATION: GREAT ROOM C ■

Workshops

09:00 –
10:00

SAP Plant Maintenance Module Workshop

Glenn Sawyer, Director, Operational Excellence Advanced Manufacturing from SAP Brad McDonald, Vesta Partners

Presented by representatives from both SAP and Vesta Partners, specialists in SAP implementations and consulting, this workshop will focus on SAP's PM (Plant Maintenance) module. Attendees will develop an understanding of the product and implementation considerations, and be able to get a variety of technical and non-technical questions answered.

LOCATION: GREAT ROOM A ■

Results Oriented Maintenance Management Workshop

Christer Idhammar, Founder and Executive VP of IDCON Inc.

This workshop is designed to lay the foundation for increased awareness and understanding for what it takes to successfully and sustainably implement the use of a computer system, including SAP, or other reliability improvements in organizations. Participants begin with a discussion of the essential system, processes, and elements of a holistic reliability and maintenance management system. Other topics include: business case for reliability improvement; leadership beliefs and expectations; the revenue generating side of good maintenance practices; and strategy development and execution towards a measurable vision. This consistently recognized and awarded workshop is designed for a team of Operations, Maintenance, Engineering and Stores employees. It is suited for experienced Reliability and Maintenance professionals and is a great introduction for managers who are new in this area.

LOCATION: GREAT ROOM C ■



Day 1: Monday November 17th (cont'd)

Workshops
09:00 – 10:00
(continued)

Problem Solving Tools for a High Performance Team
Pat Parker, Senior Technical Advisor, Carver PA Corporation

For the last 20 years productivity has been at record levels, technological innovation has never been faster and as time passes, solutions to the technical problems became more automatic. We have been struggling with the maintenance improvement initiatives as the magnitude of the new systems requires new problem solving approaches. Problem solving is a crucial aspect for anyone dealing with asset management. From looking at your maintenance processes to your internal management procedures, problem solving skills are a necessity. This session will provide tips to overcoming obstacles and finding the best solution.

LOCATION: FALLSVIEW A & B ■

MMP Module 1: An Integrated Strategy for Maintenance Management – Day One

Len Middleton, Vice President, Plant Engineering & Maintenance Association

PEMAC's Maintenance Management Professional (MMP) program provides training and accreditation to those aspiring to, or already in, maintenance management or supervisory positions. Certified MMPs are qualified to provide cost effective management of a business's physical assets. There are eight modules to the MMP program. Module 1 is being offered as a workshop at MainTrain over a two day period. The second day of this module is schedule for Thursday, November 20.

Based on the course text, Uptime, Module 1 develops the framework for thinking about a strategic approach to maintenance management that is integrated with the business. Drawing on the elements presented in the "Maintenance Excellence Pyramid" of Uptime, participants in Module 1 will learn how strategy, people, basic care, materials management, performance management, work management, support systems, and tools such as RCM (Reliability Centered Maintenance) and RCFA (Root Cause Failure Analysis) can work together to build a culture of excellence.

PLEASE NOTE: There is an additional fee for materials to participate in this course. Pre-registration is required.

LOCATION: FALLSVIEW C ■

10:00 – 10:15

BREAK
LOCATION: 3RD FLOOR FOYER ■

Workshops
10:15 – 12:00
(continued from 09:00)

SAP Plant Maintenance Module Workshop (continued)
Glenn Sawyer, Director, Operational Excellence Advanced Manufacturing, and Laura Childerson from SAP Brad McDonald, Vesta Partners

LOCATION: GREAT ROOM A ■

Results Oriented Maintenance Management Workshop (continued)
Christer Idhammar, Founder and Executive VP of IDCON Inc.

LOCATION: GREAT ROOM C ■

Problem Solving Tools for a High Performance Team (continued)
Pat Parker, Senior Technical Advisor, Carver PA Corporation

LOCATION: FALLSVIEW A & B ■

MMP Module 1: An Integrated Strategy for Maintenance Management – Day One

 (continued)

Len Middleton, Vice President, Plant Engineering & Maintenance Association

LOCATION: FALLSVIEW C ■

12:00 – 13:00

LUNCH AND EXHIBITOR VISITING
LOCATIONS: GREAT ROOM B ■ (LUNCH); 3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING)

Sessions
13:00 – 14:30

Maximo Workshop
Mary Jane Pearson, EMA Inc. & Nigel D'Souza, OCWA

This workshop will begin with an overview of the Ontario Clean Water Agency (OCWA) journey discussing both the considerations and the process of implementing IBM's Maximo. OCWA has partnered with EMA Inc. as the implementer and vendor representative. Perspectives will be explored for business practices and governance from a client perspective (by OCWA), and technical facilitation of standard Maximo functionality will broaden attendees knowledge of the product capabilities. EMA will provide a demonstration of Maximo Asset Management functionality to support planning, scheduling, and reliability. Attendees will have an opportunity to explore those concepts that may be applicable to their own scenarios through Q&A throughout the workshop

LOCATION: GREAT ROOM A ■

Operational Reliability, Ongoing Journey Towards Reliability

Chris Herron, Lead Maintenance Planner at Cameco Corporation & J.-P. Pascoli, Manager, Engineering & Maintenance, Cameco Corporation

This workshop will present an overview of a program that started in late 2010 at Cameco Corporation's Port Hope conversion facility to increase the reliability of two chemical manufacturing plants at the site. The presentation will demonstrate one way of getting to improved reliability, focusing on some key concepts and strategies, **Continued on next page >>**



Day 1: Monday November 17th (cont'd)

Sessions
13:00 –
14:30
(continued)

Operational Reliability, Ongoing Journey Towards Reliability

>> *Continued from previous page* with attention to change management. Business processes surrounding the areas of Work Management, Materials Management, Operations Improvement, and Reliability Engineering will be discussed and how they contribute to Operational Reliability at Cameco will be demonstrated. Participants will further be shown how these processes were improved, implemented, and their performance tracked. Lessons learned will also be shared and the audience will be given the opportunity to interact with the presenters.

LOCATION: GREAT ROOM C ■

Failure Analysis of Shafts and Fasteners

Neville Sachs

Starting with a basic description of the multiple causes of failures, this workshop will emphasize the physical causes and explain how over 85% of all mechanical failures can be solved in the field with minimum complex testing. After a discussion of the metallurgy of common motor and equipment shafts, we will discuss the difference between brittle and ductile materials and how to diagnose whether the failure force was from overload or fatigue. We will delve into diagnosing the specific causes of the failures and look at a series of examples, both with slides and with hands-on pieces. In addition, a series of fastener failures will be reviewed.

LOCATION: FALLSVIEW A & B ■

MMP Module 1: An Integrated Strategy for Maintenance Management – Day One (continued)

Len Middleton, Vice President, Plant Engineering & Maintenance Association

LOCATION: FALLSVIEW C ■

14:30 –
14:45

BREAK WITH EXHIBITORS

Break sponsored by IFS.

LOCATION: 3RD FLOOR FOYER ■



Sessions
14:45 –
16:30
(continued from 13:00)

Maximo Workshop (continued)

Mary Jane Pearson, EMA Inc. & Nigel D'Souza, OCWA

LOCATION: GREAT ROOM A ■

Failure Analysis of Shafts and Fasteners (continued) *Neville Sachs*

LOCATION: GREAT ROOM C ■

Operational Reliability, Ongoing Journey Towards Reliability (continued)

Chris Herron, Lead Maintenance Planner at Cameco Corporation & J.-P. Pascoli, Manager, Engineering & Maintenance, Cameco Corporation

LOCATION: FALLSVIEW A & B ■

14:45 sessions continue on next page >>

Sessions >> *14:45 sessions continued from previous page*

14:45 –
16:30
(continued from 13:00)

MMP Module 1: An Integrated Strategy for Maintenance Management – Day One Concludes

Len Middleton, Vice President, Plant Engineering & Maintenance Association

LOCATION: FALLSVIEW C ■

16:45 –
17:00

CLOSING COMMENTS

LOCATION: GREAT ROOM C ■

Event **WELCOME RECEPTION IN EXHIBITOR HALL**

17:00 –
19:00

LOCATION: 3RD FLOOR FOYER ■

18:00 –
20:00

Certified Asset Management Assessor Exam (NEW!)



At MainTrain up to 20 individuals will be participating in a 'beta test' of the new "Certified Asset Management Assessor Exam" at no risk in exchange for their feedback. Those who pass will be entitled to apply to receive the CAMA certification from WPiAM at a reduced fee.

The CAMA Exam was developed by leading not-for-profit asset management organizations** and has been verified through rigorous technical and psychometric testing. This 2 hour exam complies with the GFMAM's Competency Specification for an ISO 55001 Asset Management Auditor/Assessor, ensuring that successful applicants have the minimum required knowledge to be an ISO 55001 assessor. This means compliance with:

- ISO 55001 Asset management – Management systems – Requirements (core requirements and knowledge);
- ISO 17021-5 – Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 5: Competence requirements for auditing and certification of asset management systems; and
- ISO 19011 – Guidelines for auditing management systems.

If you are interested in participating in future offerings of the exam please contact the PEMAC Executive Director executive.director@pemac.org to be added to the interest list.

**World Partners in Asset Management is a joint venture with founding partners: Asset Management Council (Australia), PEMAC (Canada), SMRP (US), ABRAMAN (Brazil) and IFRAMI (France).

LOCATION: FALLSVIEW A & B ■



07:00 – Registration, Breakfast and Exhibitor Visiting

07:45 LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST)

07:45 – Welcome and Opening Keynote

08:30 *Andrew Thorne, VP Operational Excellence at Cameco Corporation*

In his role, Andy leads Cameco's Cigar Lake, Rabbit Lake and their U.S. mining operations as well as oversees the company's efforts to reach world-class standards in operational excellence. A native of the United Kingdom, Andy joined Cameco in 2006 as manager, maintenance and engineering at the Port Hope conversion facility. He was appointed general manager of the facility in 2007 and in 2009 Andy became vice-president of Cameco's Ontario facilities (fuel services division), which consists of the Blind River refinery, the Port Hope conversion facility and Cameco Fuel Manufacturing Inc. More recently Andy held the position of vice-president, operational excellence, technology and US operations. In January 2014 he accepted his current position of vice-president, mining and operational excellence. Listen as Andy share's his insights into realizing value.

LOCATION: GREAT ROOM C ■

Sessions 08:30 – 09:30 What KPIs to Use When

Christer Idhammar, Founder and Executive VP of IDCON Inc.

Too often organizations are blinded by latest dash-boards, graphics and walls posted with too many Key Performance Indicators (KPIs). In most cases these do not mean much for the people who can impact those numbers. Driving, or leading, KPIs need to be as closely related to actions people can influence as possible. Results, or lagging indicators, are the outcome of how well driving indicators are done. In this session we will discuss what driving indicators should be used in a reactive organization that starts their journey towards a controlled and continuously improving organization as well as indicators used in a mature reliability driven organization.

LOCATION: GREAT ROOM A ■

Motor Management = Less Anxiety, More Tranquility

Bill Winkler, Consultant Electrical at Canadian Copper & Brass Development Assoc.

In today's climate of steadily increasing energy prices, poor control of motor efficiency has significant costs that are often "invisible" and uncontrolled. A motor management plan that has buy-in from all affected stakeholders will help realize the full value of your motor asset while saving energy, reducing downtime, lowering operating cost and lessening your "anxiety costs". In this session review the evolution of motor efficiency and discuss why operating cost needs to be the basis for selecting a new motor versus only the initial purchase price. Learn from cases that illustrate the significant benefits of higher efficiency motors and motor selection tools available.

LOCATION: GREAT ROOM C ■

Sessions 08:30 – 09:30 (continued) ISO 5500X – An overview and what it means to you

James Reyes-Picknell, President at Conscious Asset Management

In Jan 2014, the much anticipated ISO standards for Asset Management (55000, 55001 and 55002) were published. While modeled after standards in the UK, the ISO 5500X standards are different, and have a much broader application potential. This session will provide an overview of the three standards documents, how they work together and what these standards could mean to you. While the standards are voluntary today, regulators and stakeholders are moving towards full implementation, so understanding the new standards will assist in the transition.

LOCATION: FALLSVIEW A & B ■

09:30 – 09:45 BREAK WITH EXHIBITORS

LOCATION: 3RD FLOOR FOYER ■

Sessions 09:45 – 10:45 Realizing Value from your CBM Program

Dharmen Dhaliyah, Manager Asset Management at City of Toronto

A Condition Based Maintenance program has become a key strategy in any maintenance/reliability improvement effort. Depending on the industry and the complexity of its asset a large percentage of maintenance tasks are condition-based. On-condition tasks or predictive maintenance tasks are the preferred tactics to apply when it comes to proactive maintenance. However they don't come very cheap when technologies such as vibration analysis, infrared thermography or oil analysis are required. As maintenance/reliability practitioners we fully understand the benefits of investing in a condition based maintenance program. Our biggest challenge is how to consistently demonstrate those benefits at different level of the organization to keep the program alive. This session will provide an overview on how value can be realized from a CBM program.

LOCATION: GREAT ROOM A ■

Case Study: Condition Monitoring and Operator Engagement Programs Deliver Value at Zellstoff Celgar Limited

Dragan Trivanovic, PdM Manager at Zellstoff Celgar Limited Partnership ZCL and Walter Del Degan, Business Manager at SKF Canada Ltd.

Celgar is one of the largest and most modern single line kraft pulp mills in North America. The presenters will share the success story of Celgar's implementation of SKF's @ptitude Decision Support System and award winning Operator-Driven Reliability (ODR) Program. This partnership has lead to great results including: zero unpredictable failures on the program's 856 assets for over 14 months. The presenters will start from pilot project to full implementation, and share how the complexities involving several departments and technologies were overcome. **Continued on next page >>**



Day 2: Tuesday November 18th (cont'd)

Sessions
09:45 –
10:45
(continued)

Case Study: Condition Monitoring and Operator Engagement Programs Deliver Value at Zellstoff Celgar Limited

>> *Continued from previous page* See how all diagnostic data generated by an on-line condition monitoring system as well as the ODR program are now run through the automated Decision Support System, saving technicians time and making sure knowledge is retained about assets. Using Decision Support allows Dragon and his team to focus on improvements and driving future change.

LOCATION: GREAT ROOM C ■

Asset Management and Financial Enlightenment

Bill Sugden, Manager North America at Ausenco Rylson

Asset Management is often stereotyped as being about maintenance and reliability. In truth Asset Management is more than that - Asset Management is about providing guidance and direction through the best and worst of times. This session will explore and explain how the application and adherence of recent PAS55 and ISO55000 principles can provide such guidance and deliver true enlightenment in the face of ever changing financial constraints. Learn how the boundaries of Asset Management have expanded when it comes to establishing and verifying a combined, optimized, and whole-life management system relating to your physical assets. We will discuss ideas for maintaining a focus on best practices, even in a time of cost reduction.

LOCATION: FALLSVIEW A & B ■

10:45 –
11:00

BREAK WITH EXHIBITORS

LOCATION: 3RD FLOOR FOYER ■

Sessions
11:00 –
12:00

Union Gas – The Road to Maintenance Excellence

Mike Hildebrand, Manager of Process Improvement and Planning at Spectra Energy: Union Gas Limited

In 2012, Union Gas - Storage & Transmission Operations (STO) engaged in an improvement initiative called Maintenance Excellence. The motive for engaging in this initiative was the desire to identify and address underlying workforce productivity and reliability issues as well as concerns which remained transparent as STO continued to meet customer demands. This presentation is about Union Gas' journey from its beginnings in 2012 to its current state today as they continue to pursue Maintenance Excellence. During this session we will discuss Union Gas Storage and Transmission Operations' journey into Maintenance Excellence. Learn to move from an organization with little documented process and heavy reliance on tribal knowledge to one organized around strong work management processes with the structure to support this. This session will discuss key transformation considerations related to structure, change management and performance measurement.

LOCATION: GREAT ROOM A ■

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Sessions
11:00 –
12:00
(continued)

The Duty/Standby Philosophy – A Re-Emerging Conversation

Christopher Gaspard, Reliability Practices Lead at Asset Performance Group

Are you rolling the dice when it comes to managing Operational Risks? In an industrial setting, physical plant systems are the primary revenue generators and where the consequences of failure can be catastrophic - reliability is serious business. A standard practice for minimizing the overall risk exposure associated with system failure is to apply a redundancy philosophy – or a Duty/Standby Philosophy. Does your organization have a duty/standby philosophy? How does it address risks, safety and optimum life cycle costs associated with plant systems? In this presentation learn about the well-known 50:50 philosophy used in industry. This will be followed by a case for higher reliability by providing a qualitative argument for moving away from the conventional 50:50 practice of managing systems in such an arrangement.

LOCATION: GREAT ROOM C ■

Good Asset Management with Integrated Enterprise Information

Glenn Sawyer, Director, Operational Excellence Advanced Manufacturing at SAP

Corporations spend billions to design, buy, operate, and decommission production equipment and other physical assets. Managing assets and optimally using and running these investments can be mission critical. How can you be confident that your asset management practices are maximizing return on assets? In this session we will present the benefits of having an integrated, holistic approach to asset management demanded by PAS 55. See various ways organizations can succeed including paper-based records, as well as by taking a systematic, IT-enabled approach to asset management. Discuss the benefits to these systems, and how they can help organizations maximize their asset investment.

LOCATION: FALLSVIEW A & B ■

12:00 –
13:00

LUNCH AND EXHIBITOR VISITING

LOCATIONS: GREAT ROOM B ■ (LUNCH); 3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING)



Day 2: Tuesday November 18th (cont'd)

Sessions
13:00 –
14:00

Shepard Energy Centre – Building an Asset Management Plan from Scratch

Bill Mercer, Enmax Energy Corporation

With over 100 years of transmission and distribution experience in Calgary, ENMAX has only been in the power generation business for a few years following the acquisition of the Shepard Energy Centre (SEC). The addition of SEC has doubled the generation operated portfolio for ENMAX requiring significant work to ensure the facility conforms to the company's Operations and Maintenance programs. This presentation will describe various integration strategies that ENMAX undertook including: building an organizational design to fit with the asset use plan; identifying all individual assets and use a structured approach for risk assessment and maintenance recommendations; developing spare parts purchasing plan based using risk based methodology; establish complete regulatory compliance program and EHS procedures and systems; and integrating everything into ENMAX's existing systems. This presentation will explore both the challenges and benefits of this major endeavor.

LOCATION: GREAT ROOM A ■

Re-aligning Canada Journey

Nathalie Droulin, President at Fixturlaser Canada Inc.

Surprisingly rotating equipment operating under misaligned conditions still seems to be the most thorn in the side of many industrial maintenance managers. Again and again vibration analysts come back with diagnosis of misalignment on rotating equipment. How is it that after the industrial revolution misalignment is still the most common cause to premature failure and unscheduled downtime? In this presentation you will see how it can easily be avoided. We will discuss the benefits of having a proactive maintenance strategy and the necessary tools and skill sets for keeping machines in line and online. Questions from the participants will be welcome to get to the bottom of their own misalignment scenarios.

LOCATION: GREAT ROOM C ■

PEMAC Certification Programs, MMP and AMP

Greg Best & Cindy Snedden, PEMAC

This session, presented by representatives from the Plant Engineering & Maintenance Association of Canada (PEMAC), will provide insight and information in the status of global certification. You will also discover the history of the current Maintenance Management Program (MMP) and details about that certification. As well learn about the brand new Asset Management Program that will begin this fall. Discuss the elements of these courses, and be provided with an opportunity ask questions about their impact and how you can complete the certification. Northern Lakes College will be hosting this session live via a webcast as well so guests from across the country can participate.

LOCATION: FALLSVIEW A & B ■

14:00 –
14:15

BREAK WITH EXHIBITORS

LOCATION: 3RD FLOOR FOYER ■

Sessions
14:15 –
15:15

Conditioned-based Maintenance Strategy for Shaganappi Pump Station

Jennifer Ouyang, Maintenance Engineer and Kendal Martens at City of Calgary, Water

In 2012, Water launched a comprehensive program (Secondary Water Supply Facilities Rehabilitation Program) which included assessing the condition of 18 pump stations. The results of this program ranked the Shaganappi Pump Station as the most critical based on the condition of the equipment, the relatively large population and number of critical institutions it services. In this session you will learn how this pump station effectively implemented a condition-based maintenance strategy, and how you can utilize some of the learnings in your own environment to minimize and control risk, and create an effective infrastructure.

LOCATION: GREAT ROOM A ■

The MRO Lifecycle...Can You Really Make a Difference?

Ned Meyer, Vice President Professional Services at MROConnection

There is "hidden" money available in most companies' invested MRO (spare parts) inventory. It is not difficult to identify that inventory, but one must understand how it got there and how to avoid it "rebuilding" itself in order to take full advantage of the dollars that can be saved and spending that can be further avoided. This presentation will cover those key elements and also discuss, in detail, the nine phases of the MRO Lifecycle that one has to fully understand in order to take advantage of this savings potential. Use of a state-of-the-art CMMS/EAM system is paramount in collecting the right data to make the right decisions.

LOCATION: GREAT ROOM C ■

Asset Management Strategy – Developing the Master Plan

David Armstrong, Senior Reliability Practitioner at Bentley Systems

A Strategic Asset Management (Master) Plan is necessary to ensure all stakeholders buy-in. Commitment from senior management is a critical for a successful asset management system. This session will discuss the elements of a good asset management plan, and how organizations can establish effective overall asset management policies that describe the parameters within which detailed decisions can be made by lower level management towards a sustainable process for the long term. Learn how to engage leadership, while also reporting on the overall health of your asset performance program.

LOCATION: FALLSVIEW A & B ■



Day 2: Tuesday November 18th (cont'd)

15:15 – **BREAK WITH EXHIBITORS**
15:30 *Break sponsored by Cameco Corporation*
LOCATION: 3RD FLOOR FOYER ■



Sessions
15:30 – **Maintenance Crew Performance Management Through KPIs**
16:30 *J.-P. Pascoli, Manager, Engineering & Maintenance at Cameco Corporation*
Maintenance performance management through KPIs is often not effective because indicators are not visible or understandable at the floor level. Many companies may also not have financial resources to invest in 'high tech' display monitors in the workplace and if they do, content may not be sufficient for specific crew performance measurement and engagement. This session will review how KPIs were introduced to maintenance crews and the entire site as part of the Operational Reliability program launched at Cameco's Port Hope conversion facility through simple tools and how concepts of change management were used.
LOCATION: GREAT ROOM A ■

Sessions
15:30 – **Performance and Equipment Condition Monitoring:
A Case Study at Atco Power**
16:30 *Pat Parker, Senior Technical Advisor at Carver PA Corporation and David J. Brill, Associate VP of Asset Management Services at Black and Veatch Corporation*
(continued)
The Sheerness Generating Station, a large power plant, has process and machine health data feeding into the DCS and plant historian database continuously from thousands of field sensing elements. This session is a case study of project at the plant that utilized 'cloud' technology to stream data about plant performance and initial equipment failures not yet notified by the Alarm Management System, to technical experts, who analyzed the information and communicated the findings back to the plant for further troubleshooting, validation and correction. The session will describe the data security and connectivity issues, the communication protocols and the benefits observed. If you are considering changes in the collection, analysis, and reporting of your own plant performance and equipment health, this session will be useful.
LOCATION: GREAT ROOM C ■

Justifications for Maintenance Reliability and Readiness

Murray Macza, Market Development Manager at Emerson Process Management (EPM), MRG Solutions
While leadership often requests a business case for implementing a comprehensive Maintenance & Reliability Readiness (M&RR) Plan for a specific capital project, it can be difficult for M&R practitioners to build one. And many plans do not consider the value destruction that occurs in the majority of new capital projects accounting for approximately 9% per \$1B invested. This session discusses the causes for this loss: **Continued on next page >>**

Sessions
15:30 – **Justifications for Maintenance Reliability and Readiness**
16:30 *>> Continued from previous page* buying excessive new capital spares; reduced and/or intermittent production during the 'ramp-up' phase, and much higher annual maintenance expenses. By understanding the loss in value that can be avoided through the adoption of a comprehensive M&RR Plan, maintenance and reliability practitioners will be able to effectively communicate a business case for an M&RR investment.
LOCATION: FALLSVIEW A & B ■

16:45 – **CLOSING COMMENTS**
17:00 **Special Welcome from Niagara Falls Mayor, Jim Diodati**
LOCATION: GREAT ROOM C ■

Event
18:00 – **PEMAC Annual Gala**
21:00 **with Renowned Canadian Comedian – Ron James**
Ron James, Award-Winning Canadian Comedian and Satirist will be our special guest speaker at the MainTrain Gala event.
Tickets are required in advance to attend this event.
Hailed by critics from coast to coast, Ron James is Canada's number-one comedian, consistently packing theatres across the country. The star of his own CBC TV program, The Ron James Show, he cuts a wide swath through contemporary culture with his razor-sharp wit and machine-gun delivery, making him a standout among stand-up performers. With many acts at hand, there's sure to be something in Ron's vast repertoire that will resonate with your audience—not to mention have them howling with laughter.
PEMAC will also be presenting a number of awards during the evening including the Lifetime Membership award, the Capstone awards and the Sergio Guy Award.
Gala event sponsored by SKF.
LOCATION: GREAT ROOM C ■



07:00 – Registration, Breakfast and Exhibitor Visiting

07:45 LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST)

07:45 – Welcome and Opening Keynote

08:30 *Glenn Sawyer, Director, Operational Excellence Advanced Manufacturing at SAP*
Glenn has been with SAP for the last four years leading the Center of Operational Excellence for Manufacturing and Operations in Canada. Prior to SAP Glenn led the MES Manufacturing Execution Software Practice for Rockwell Automation in Canada. He has consulted with best-in-class organizations in cultural adoption of technology solution. Directly working in the discrete with world class companies such as Toyota, Ford, Magna, Bombardier, BRP, and in the Process space with Suncor, Goldcorp, Encana, Cenovus to name a few.

Keynote sponsored by ARMS Reliability.



LOCATION: GREAT ROOM C ■

Sessions 08:30 – Utilizing Maintenance Expertise Across the Organization

09:30 *Kristopher Dominato, Maintenance Coordinator at Canadian Tire Corporation*
In many industries, an innovative maintenance department may be the catalyst and driver to promote increased equipment reliability and a reduction in associated MRO expenses. In this session you will learn how the maintenance department at the Canadian Tire AJ Billes Distribution Center, explored, proposed, procured and implemented new stretch wrap and barcode label reading technology to dramatically improve operational efficiency, productivity and reduce costs. The nature of equipment upgrades had challenged long standing operational and cultural processes, which will have long-term improvements to equipment reliability through automation and reduction of human intervention. You will see how this equipment that has significantly increased the load handling capacity, and greatly reduced quality rejects, will influence the standard for a new distribution center.

LOCATION: GREAT ROOM A ■

Optimizing Your Defect Elimination Program

Reid Jenner, Commissioning Agents

In this session you will learn about faster identification of defects at all stages of the asset life cycle, and about clearer and more effective mechanisms for preventing equipment defects at each stage in cycle. In addition you will discover how organizations implement better triggering mechanisms for initiating root cause analysis and integrate a business process and information linkages model. You will have a better understanding of different root cause analysis techniques, as well as data inputs and outputs for defect elimination.

LOCATION: GREAT ROOM C ■

Sessions 08:30 – Are Your Decisions Truly Optimal?

09:30 *Boudewijn Neijens, CMO at Copperleaf Technologies*

(continued)

Asset managers are faced with the need to make decisions every day. Often these decisions involve selecting one project over another, based on which project brings the highest value to the corporation. Are you picking the right projects? Are your decisions truly optimal and defensible? Join Copperleaf for an interactive session to explore how to optimize the portfolios of your projects. You will be challenged to value and rank the various projects of a sample portfolio while respecting multiple financial, resource and time constraints. We will highlight the benefits of optimization over more traditional ranking or prioritization techniques.

LOCATION: FALLSVIEW A & B ■

09:30 – BREAK WITH EXHIBITORS

09:45 LOCATION: 3RD FLOOR FOYER ■

Sessions 09:45 – Work Process Management Delivers To Expectations

10:45 *Peter Neve, President & COO at FieldWorker Mobile Solutions*

Toronto Parking Authority manages the parking lots and on street payment kiosks that belong to Toronto and North York. Their success has led to TPA taking on the management of private parking lots. The ability to monitor all of the workers (sub contractors and direct employees) progress and work status has established this organization as 'best in class' in their industry. Be sure to attend this session, where Peter shares the TPA story, and describes how its innovative activities can be transferable across any organization responsible for both maintenance and detailed work projects. Learn how better management of the work process can keep both internal and external resources accountable and allow your organizations work product performance to deliver more value than before.

LOCATION: GREAT ROOM A ■

Managing Complex Losses and Equipment Failures

Mark Hughes, Founder at Sintra Engineering

Engineers design equipment and processes to minimize risks; but unforeseen circumstances sometimes arise. During this session we will answer the questions that Engineers may not normally deal with – What is the aftermath of industrial equipment failures, and how are causal factors for the failures found? Learn about the factors relating to complex losses and failures in industrial equipment. Be guided through the process of a forensic engineering investigation, failure analysis, see how a forensic engineer can participate in the litigation process, and receive examples of fires and failures in industrial settings.

LOCATION: GREAT ROOM C ■



Day 3: Wednesday November 20th (cont'd)

Sessions 09:45 – **Management Systems for Sustaining a Culture of Asset Management Excellence**

10:45
(continued) *Ron Doucet, Director at RYKE Reliability*

Often in an asset management improvement / sustainability implementation, people focus solely on the technical aspect. One of the major causes of failure to implement, or sustain improved asset management is a lack of supporting management systems. This presentation will cover the presenter's experience implementing a variety of management systems including: information flow, exception management / continuous improvement process, work management systems, meeting agendas and operations and maintenance KPI's to be monitored and remedial action to exceptions.

LOCATION: FALLSVIEW A & B ■

10:45 – **BREAK WITH EXHIBITORS**

11:00
LOCATION: 3RD FLOOR FOYER ■

Sessions 11:00 – **Energy Management Incentives Case Study**

12:00
Eric McCoy, Chief Design Engineer, Engineering & Maintenance at Cameco Corporation

For many years Cameco Corporation has been successfully applying for and receiving energy based rebates from the Ontario Power Authority (OPA). In this presentation you will learn about the many rebate programs available to your organization, how they work and what the application process is. Learn about how Cameco has been replacing and upgrading equipment, and being reimbursed based on these energy rebates, while also benefiting from more advance and lower cost operating equipment. Also learn about similar programs in other provinces.

LOCATION: GREAT ROOM A ■

Practical Application of Fasteners

Bob Dougherty at Toronto Transit Commission

Based on past experiences where over 50% of mechanical failures on Toronto Transit subway rail vehicles were related to misapplication of fasteners, this presentation is an overview of training currently provided to rail mechanics. Beginning with an explanation on application of fasteners emphasizing terminology, preload, elastic elongation and friction/lubricant, it follows with a review of experiences over the past 20 years and the resultant current best practices with respect to control of quality, hardened washers, mechanical top locknuts, lubricated installations, fatigue failures, etc. The presentation includes demonstrations using a Skidmore Wilhelm bolt tensioning machine that dramatically shows effect of lubricant on preload.

LOCATION: GREAT ROOM C ■

Sessions 11:00 – **Facilitating Productive, Interactive, Engaging Meetings that Bring out the Skills and Talents of the Team**

12:00
(continued) *Marie Gervais, Director at Shift Management Inc.*

Marie Gervais, PhD., Director, Shift Management Inc. Are your meetings frustrating or unproductive? Do you wish you could draw people out, channel their opinions or assign tasks more effectively? How is your meeting follow through? Meeting facilitation that gets results and brings out team talents is a skill that can be learned. In this workshop we will focus specifically on the operational process of facilitating effective meetings. You will learn to effectively manage the meeting process and outcomes by:

- Drawing out participation
- Watching for "talent clues" and using them
- Dealing effectively with difficult personalities
- Encouraging individual expression while building unity of thought
- Operationalizing outcomes A strategies handout will accompany the session, available on paper and for tablet or phone.

LOCATION: FALLSVIEW A & B ■

12:00 – **LUNCH, EXHIBITOR VISITING AND PRIZE GIVEAWAYS**

13:00
LOCATIONS: GREAT ROOM B ■ (LUNCH AND PRIZE GIVEAWAYS);
3RD FLOOR FOYER ■, ALL DAY (EXHIBITOR VISITING)

Sessions 13:00 – **Capstone Winners – Technical Focus & Business Process**

14:00
Capstone Winners

This session will include two presentations by the recently announced Capstone winners in the technical focus and business process categories: Cigar Lake CAMECO project and the NALCOR drainage sump project. Learn how these organizations have become award winners, and see how your organization can implement some of the successful strategies that they are using.

LOCATION: GREAT ROOM A ■

Reducing Arc Flash Risk with Electrical Maintenance Safety Devices

Martin Robinson, IRISS Group

Electrical accidents, such as arc flashes occur daily; however there are ways companies and individuals can reduce the occurrence of these accidents and protect everybody concerned from the physical, financial, and statutory consequences. In this session we will discuss how the National Fire Protection Association (NFPA) regulation 70E provides a reference for facilities to meet the requirements of electrical workplace safety while regulation 70B outlines the best practices for setting up and maintaining and Electrical Preventive Maintenance (EPM) program. Hear about experience-based results and case studies that demonstrate the value realized from maintenance, reliability and asset management improvement initiatives.

LOCATION: GREAT ROOM C ■



Day 3: Wednesday November 20th (cont'd)

Sessions
13:00 –
14:00
(continued)

Design for Reliability, Optimizing Material Selection
Saigopal Visvanathan, Lead Asset Management at Suncor Inc.

This session explains the importance of optimizing material selection during the design phase of a new operating facility in order to minimize failures due to corrosion during their operating life, thereby ensuring increased safety and reliability at a lower cost. See the successful journey of a team who implemented this change in one of Suncor Energy's new In-Situ Projects, and the value it provided to Suncor. You will learn how the total life-cycle cost can be reduced by involving key people from Operations, Maintenance, Reliability and Inspection.

LOCATION: FALLSVIEW A & B ■

14:00 –
14:15

BREAK WITH EXHIBITORS
LOCATION: 3RD FLOOR FOYER ■

Sessions
14:15 –
15:15

Getting to the Bottom of Things
Cliff Williams, Corporate Maintenance Manager at ERCO Worldwide

How can we be sure that our efforts to correct deficiencies are going to derive value for our organization? Do we fully understand that our area of focus is the right one? In this session we will discuss how we often deal with symptoms and not the specific problem. We identify the tools that will help point us in the right direction and figure out how we can develop them. We examine the standard approaches to arriving at the root cause, discuss some that don't work, and identify systemic causes that seem to provide the best results. Learn how to understand the links in front of you when it comes to solving your problem.

LOCATION: GREAT ROOM A ■

Visy Paper: Back to Basic, Forward to World Class Lubrication

Suzy Hitchcock, Executive Director at the International Council for Machinery Lubrication (ICML)

In today's world we are indoctrinated with the belief that more is better, more expensive must mean higher results, more complicated must mean higher quality and other such notions. This refreshing case study about ICML's 2012 winner of the John R. Battle Award shows how "back to basics" and keeping it simple can yield tremendous results in the reliability journey. This session will walk you through how Visy Paper's Gibson Island Plant in Australia turned simple, good ol' fashioned "TLC" into an award-winning program, yielding unbelievably high bottom dollars results.

LOCATION: GREAT ROOM C ■

Sessions
14:15 –
15:15
(continued)

ISO 55001 Companion Guide
Sally Nugent, Executive Director at the Asset Management Council

The Asset Management Council, based in Australia, is a non-profit, member network committed to advancing asset management knowledge and capability of members and the broader community. In June 2014, the AMA released an ISO 55001 Companion Guide as a 'must have how to guide,' that delivers an instructive approach when implementing ISO 55001. Sally Nugent, the executive director of AMC will share highlights of the guide during this session, and share why it has become an essential document for every asset management professional.

LOCATION: FALLSVIEW A & B ■

15:15 –
15:30

BREAK WITH EXHIBITORS (Last opportunity to visit exhibitors)
Break sponsored by Cameco Corporation
LOCATION: 3RD FLOOR FOYER ■



Sessions
15:30 –
16:30

Asset Lifecycle Management...to optimize total cost of ownership
Ramesh Gulati, Asset Management & Reliability Planning Manager at AEDC/ATA-Jacobs

Equipment/machinery performance is critical to deliver value for any organization. The asset performance and the total cost of ownership are dependent on how assets are designed. The majority of the cost of asset ownership is in Operations & Maintenance (O&M) phase. However, the O&M costs are dependent on how assets are designed, build, installed, commissioned and operated. This session will discuss Asset's life cycle and impact of design, build, installation and commissioning phases. Learn how to avoid the pitfalls during asset acquisition, design, build and installation, and reduce total cost of asset ownership.

LOCATION: GREAT ROOM A ■

Maintenance Strategy Development

Jason Ballentine, Engineering Manager – North America at ARMS Reliability

Using background from the RAMS study and the Computerized Maintenance Management System (CMMS), learn how the development a maintenance strategy is an important activity that determines the operational Availability. This presentation will show asset managers and reliability engineers the elements required for a Maintenance Strategy Development, and how to drive that strategy. You will learn how to select an effective maintenance task, as well as the risk of a static asset strategy.

LOCATION: GREAT ROOM C ■



- Sessions
- 15:30 – 16:30
(continued)
- New Rules for Managing Assets**
Roop Lutchman, Lead Business Consulting at GHD Inc.
- Asset Management is on the minds of many decisions makers as they struggle to maximize the investment of their assets. This session will provide some key insights along the AM journey and provide attendees with ideas about on how they can develop their own AM Roadmap to get to their destination of maximizing their asset investment. As well, learn about the new AM rules that should be applied in the face of new and emerging business drivers such as AM policy, vision, strategy and framework, as well as business process and maintenance effectiveness, and risk management.
- LOCATION: FALLSVIEW A & B ■
- 16:45 – 17:00
- CLOSING COMMENTS**
LOCATION: GREAT ROOM C ■
- 17:30 – 20:30
- ICML Exam**
- The ICML Exam will be available to take during the conference. Pre-registration of the exam is required. To register for the exam, please submit your application form (www.icmlonline.com/apply) directly with ICML. Visit the ICML website (www.lubecouncil.org) for more information about the exam, as well as the Council and its Certification Program.
- LOCATION: FALLSVIEW A & B ■
- Event
- 18:00 – 20:00
- PEMAC Annual General Meeting**
- This year's Annual General meeting will be busy! We will review the progress of the association for the last year, introduce the strategic plan for the coming 5 years and get the member's input, approve the coming year's budget, elect 10 individuals to the Board of Directors and approve new bylaws that will bring us into compliance with the new Canadian Not for Profit Corporations act. That's a lot of business. Hopefully we'll have some fun while we're at it. All PEMAC members are invited to the AGM for an association update.
- LOCATION: GREAT ROOM C ■



- 08:00 – 08:30
- Breakfast**
LOCATIONS: 3RD FLOOR FOYER ■, ALL DAY (REGISTRATION & EXHIBITOR VISITING); GREAT ROOM B ■ (BREAKFAST)
- 08:30 – 08:50
- Welcome and Opening Keynote:
Improving Outcomes with Asset Management –
The Fundamentals with Case Studies**
Sally Nugent, Asset Management Council in Australia
- Over the last nine years, Sally has played an integral role in elevating the Asset Management Council as an independent professional body. The AMC is a non-profit, member network committed to advancing asset management knowledge and capability, and uniting professionals and organizations from asset intensive industries. Sally has held previous positions with the Australian Corrosion Association and Comalco Research Centre where she implemented projects that improved plant operations, quality and overall customer satisfaction. Sally will share her global experience during the keynote presentation, as she describes the journey that AMC has taken from a purely maintenance based association, towards one that fully encompasses a more strategic focus on Asset Management.
- LOCATION: GREAT ROOM C ■
- Workshops
- 09:00 – 10:00
- Rethinking Your Planning Scheduling Process**
Michel Cote and Serge Doucet at PROSYGMA Reliability and Maintenance Professional Services
- This half day workshop will cover the basics of planning and scheduling but with a down to earth approach: Why some organizations fail when they deploy planning and scheduling processes and others have tremendous success? Why do a majority of planners complain they don't have enough time to plan? We will explain what you typically need to demonstrate in order to sell the benefits of planning and scheduling to your senior management. Examine the various steps of the planning process (work Identification, planning, scheduling, work execution, close out and review) with examples coming from organizations that do perform in planning and scheduling during this workshop. As well we look at the roles and responsibilities of the maintenance planner and what are the realistic expectations for this position.
- LOCATION: GREAT ROOM A ■



Day 4: Thursday November 20th (cont'd)

Workshops **Maintenance and Reliability Best Practices**

09:00 – *Ramesh Gulati, Asset Management & Reliability Planning Manager at AEDC/ATA-Jacobs*
10:00
(continued)

A refresher workshop that will BOOST your technical workforce's understanding of reliability & maintenance principles, and help create a sustainable reliability culture to maximize the benefits! The asset-equipment management practices in any organization determines whether an operation is considered a financial drain or a well-run business unit, which operates utilizing best reliability & maintenance practices to ensure assets reliability, safety, improved productivity, and profits. Topics in this workshop include: introduction to asset management and its business impact, reliability culture, defining best practices and asset performance and people development.

LOCATION: GREAT ROOM C ■

Optimizing Your Maintenance Program Using RCM to go from Ordinary to Extraordinary

James Reyes-Picknell, President at Conscious Asset Management

Have you tried to identify the asset maintenance to do during a Shutdown or Turnaround? Despite your best efforts, did you still have schedule and cost overruns? The secret is to learn about the changing world of maintenance so that only the correct safe minimum maintenance is done – nothing more, nothing less. This workshop helps you discover the growing expectations, the changing understanding and new maintenance techniques required to meet the new ISO asset management system standards. Using the world-class, RCM process, we will show you how to identify what work should (and should not be) done during a scheduled outage. This way, the process decisions you make help build an optimal, technically sound and sustainable PM, CBM and Pdm program that minimizes scope creep and costs.

LOCATION: FALLSVIEW A & B ■

Arcelor Mittal Dofasco Plant Tour: Focus on Maintenance

Participants will be transported to the Arcelor Mittal Dofasco Plant in Hamilton for a presentation and tour of the repair shop. **SEE DETAILS ON PAGE 8**

Lunch will be provided on site at the facility. Guests will be transported back to the conference by 14:30 in time for the closing presentation. **Pre-registration is required for this workshop.**

MMP Module 1: An Integrated Strategy for Maintenance Management – Day Two (continued from Day One)

Len Middleton, Vice President, Plant Engineering & Maintenance Association

PLEASE NOTE: There is an additional fee for materials to participate in this course. **Pre-registration is required.** LOCATION: FALLSVIEW C ■

10:00 – **BREAK** LOCATION: 3RD FLOOR FOYER ■
10:15

Workshops **Rethinking Your Planning Scheduling Process** (continued)

10:15 – *Michel Cote and Serge Doucet at PROSYGMA Reliability and Maintenance Professional Services*
12:00
(continued from 09:00)
LOCATION: GREAT ROOM A ■

Maintenance and Reliability Best Practices (continued)

Ramesh Gulati, Asset Management & Reliability Planning Manager at AEDC/ATA-Jacobs
LOCATION: GREAT ROOM C ■

Optimizing Your Maintenance Program Using RCM to go from Ordinary to Extraordinary (continued)

James Reyes-Picknell, President at Conscious Asset Management
LOCATION: FALLSVIEW A & B ■

Arcelor Mittal Dofasco Plant Tour (continued)

MMP Module 1: An Integrated Strategy for Maintenance Management – Day Two (continued from Day One)

Len Middleton, Vice President, Plant Engineering & Maintenance Association
LOCATION: FALLSVIEW C ■

12:00 – **LUNCH** LOCATION: GREAT ROOM B ■
13:00

Workshops **Maintenance and Reliability Best Practices** (continued)

13:00 – *Ramesh Gulati, Asset Management & Reliability Planning Manager at AEDC/ATA-Jacobs*
15:00
(continued from 09:00)
LOCATION: GREAT ROOM C ■

Optimizing Your Maintenance Program Using RCM to go from Ordinary to Extraordinary (continued)

James Reyes-Picknell, President at Conscious Asset Management
LOCATION: FALLSVIEW A & B ■

Arcelor Mittal Dofasco Plant Tour (continued)

MMP Module 1: An Integrated Strategy for Maintenance Management – Day Two (continued from Day One)

Len Middleton, Vice President, Plant Engineering & Maintenance Association
LOCATION: FALLSVIEW C ■

15:00 – **CLOSING COMMENTS** LOCATION: GREAT ROOM C ■
15:15



Asset Management Professional (AMP) Certification



The AMP Certificate program is designed to build organizational capacity for excellence in Asset Management by developing relevant knowledge and skills across disciplines for those responsible for Asset Management decision-making and design of the Asset Management system.

The program is offered exclusively at Humber College, in association with PEMAC.

www.humber.ca/continuingeducation/program/asset-management-professional-certificate



Maintenance Management Professional (MMP) Certification



The MMP program provides training and certification to those aspiring to, or already in, maintenance management or supervisory positions enabling them to align their work with the Asset Management strategies and plans of the organization.

For more information about the program that is offered at 14 colleges, universities and technical institutes across Canada, visit www.pemac.org/certification



PEMAC Acknowledgements

On behalf of the Board of Directors and the conference attendees I would like to extend a big thank you to the MainTrain 2014 planning committee, PEMAC staff and all of the on-site member volunteers that have made the conference a success. Your time, effort and careful attention to making this a truly successful conference really shows.

Committee Chair:

Sridhar Ramakrishnan

Committee Members:

Gregg Bentley

J.-P. Pascoli

Nigel D'Souza

Norm Clegg

Mahadevan Vaidyanathan

Onsite Support Staff:

Melanie Mangion, PEMAC Head Office Admin

Steve Burrows, PEMAC MMP Program Manager

Event Coordinator:

Welcome and a special thank you to Nicolle Guillen, PEMAC's new Events Coordinator, who joined our team in August 2014, in the midst of planning for this year's conference. Be sure to say hello to Nicolle at any time during the conference!



Looking Ahead: MainTrain 2015

MainTrain 2015 will be held in beautiful Richmond, British Columbia – and we're moving the date!

We are very excited to be hosting our annual conference in September next year, and hope that you will be able to join us in this culturally diverse and geographically unique city! The city of Richmond is located on Canada's West Coast, and very accessible. It is a great location to connect with delegates from across Canada and around the world, and share all of your maintenance, reliability and asset management insight.

More details about the September date, as well as venue will be available very soon. For more information, contact Nicolle Guillen, PEMAC's event planner at events@pemac.org or 1-877-525-7255.



MainTrain 2015 | Richmond, British Columbia
www.MainTrain.ca | September 2015



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