



2018 BEST PRACTICES CONFERENCE
Twice as Safe, Twice as Productive
Moving Forward Together – Partnerships 2.0

Shaw Conference Centre
 9797 Jasper Avenue, Edmonton, Alberta
May 8 & 9, 2018

WELCOME TO BP2018

Tuesday – May 8th 4:00 pm – 9:00 pm	
3:00 pm	Registration Desk opens (coffee & juice available)
4:00 pm	Welcome Safety and productivity moment
4:20 pm	Report from the COAA Board - Strategic directions - Report on 2S2Px2020 - Best Practices Committee - CII-COAA partnership & OS 2.0 initiative
4:40 pm	Workforce Forecast & Demand Projection
5:20 pm	Supper Buffet & Networking
6:30 pm	COAA Award Presentations - Leadership in Workforce Development
7:00 pm	Keynote Presentation – Peter Dumont, CURT President “We <u>Must</u> Change, and We <u>Can</u> Change”
7:45 - 8:45 pm	Reception & Networking

Wednesday – May 9th 9:00 am – 3:30 pm	
7:30 am	Registration Desk opens (coffee, juice, muffins & fruit available)
9:00 am	Welcome Safety and productivity moment
9:20 am	Plenary Session: OS 2.0 Briefing for Industry Leaders – Dr. Stephen Mulva, PE
9:50 am	Plenary Session Panel: “The Countdown - A&D Challenges and Opportunities”
10:30 am	Nutrition & Networking
11:00 – 12:30 pm	Workshops – Track A
12:30 pm	Lunch Buffet & Networking
1:45 – 3:15 pm	Workshops – Track B

Tuesday Highlights

- **Get updated on COAA directions and actions** to aid your company and our industry
- **Look into the future:** Workforce forecasts from Alberta Labour and BuildForce Canada
- **Applaud workforce development excellence** at the COAA Awards presentation
- Get inspired: Hear about coming change in our industry: ‘**We Must Change, and We Can Change**’
- **Catch up with colleagues** from across our industry at the supper and evening reception
- **Discover a million-dollar idea** at one of the information booths and R&D poster presentations

Wednesday Highlights

- Hear how companies from across North America are getting behind **Operating System 2.0** and how your company can align and benefit
- Get the straight goods from our experts on the panel discussion ‘**The Countdown: A&D Challenges and Opportunities**’
- Tap into the heart of BP2018 by making your picks from **16 great workshop sessions** – tools to achieve Twice as Safe, Twice as Productive



Safety Committee Workshops	Track A 11:00 – 12:30	Track B 13:45 – 15:15
<p>SC-1: Introducing Canadian Model Version 6.0: A COAA + ESC Partnership</p> <p>A broad-based stakeholder committee has developed Version 6.0, an updated model alcohol and drug policy to replace the COAA Canadian Model Version 5.0 and Energy Safety Canada (Enform) Alcohol and Drug Policy Model Edition 2.2. This interactive workshop will detail significant changes to the model policy for industrial construction, maintenance and fabrication industries, as well as offer guidance on leading practices for implementation and administration. This workshop will also overview committee perspectives respecting the policy implications of the pending legalization of cannabis.</p>	✓	
<p>SC-2: Bill 30: An Act to Protect the Health and Well-being of Working Albertans</p> <p>In Fall 2017, the Government of Alberta passed Bill 30, bringing notable changes to the OHS Act. Changes include enshrining the three basic rights of workers in Alberta's legislation, mandatory joint worksite health and safety committees and programs, and clear responsibilities for worksite parties and effective compliance. In this workshop, learn how Albertans will see an improved OHS system that better protects workers and ensures their rights are aligned with other Canadians.</p>		✓
<p>SC-3: Recognizing Signs and Symptoms of Drug Use in the Work Place</p> <p>Drugs in the workplace are quickly becoming a health and safety challenge for employees, contractors and the public. With the Federal Government passing the Marijuana Bill in July 2018, the issue of drug use in the workplace will most certainly rise. During this workshop, we will look closely into three categories of drugs that are commonly abused: Stimulants, Opioids and Marijuana. Recognize what these drugs look like, the methods of ingestion and signs and symptoms produced. Standardized Field Sobriety Testing (SFST), a key component in assisting law enforcement with identifying drug impairment at the roadside, will also be demonstrated.</p>	✓	✓
<p>SC-4: Assessing Fitness for Duty - Principles & Practices</p> <p>The topic of "fit for duty" has gained attention over the last several years as more organizations are including this type of assessment in managing human resources. COAA has sponsored Physical Demands Analysis (PDA), a project that has been developing a leading practices document for assessing fitness for duty. This workshop will review the leading practices guide developed by the project team, outline key features of a defensible fitness for duty program using PDAs as the backbone of the program, and present the repository of PDAs created by this project for industrial construction. This is a must-attend workshop for those responsible for managing fitness for duty programs.</p>	✓	



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Workforce Development Committee Workshops	Track A 11:00 – 12:30	Track B 13:45 – 15:15
<p>WDC-1: Construction Management Competencies – Evaluative Tools</p> <p>Construction management personnel competency, of both owners and contractors, is a critical factor in ensuring success on any construction project. A good competency management program defines and evaluates core competencies, identifies gaps, training and career development. In this workshop, attendees will learn about critical construction management competencies, related tasks and evaluative tools to manage the competencies of key construction management roles. This interactive workshop will show a working example of a competency management tool and will solicit input from participants regarding existing competency management initiatives with the aim of developing future tools and best practices for our industry.</p>		✓
<p>WDC-2: MODOS – Implementation Update</p> <p>Fully leveraging the skills of our Albertan workforce is more important than ever. Collaboration has been key to the success for building a standard way of measuring and tracking required skills. In this workshop, you will learn what it takes to get there, hearing from speakers from the Ironworkers International Union and other companies who are implementing our locally-started MODOS system of tracking and dispatching employees using competency profiles. This workshop will be a speaker panel of individuals with first-hand experience designing and implementing the processes to track competency with a standard system.</p>		✓
<p>WDC-3: Apprenticeship Requirements for a Sustainable Workforce</p> <p>Sustaining a Skilled Trades Workforce becomes increasingly challenging as the market shifts from construction to maintenance. COAA has partnered with BuildForce Canada and Prism Economics and Analysis to develop a forecasting model that considers several inputs, including the BuildForce 2018 Construction and Maintenance Outlook, Stats Canada, Alberta Apprenticeship and Training statistical data and the Canadian system for tracking requirements for apprenticeship qualifications (CAN-TRAQ). The goal was to determine how many new apprentices are required by Alberta’s industrial construction sector to meet its long-term workforce needs. This pilot analysis was completed for three trades: Electricians, Steamfitters and Millwrights. In this workshop, participants will be presented with the model and findings and have an opportunity to participate in an open discussion about how this information may best serve the industry.</p>	✓	



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Construction Performance Committee Workshops	Track A 11:00 – 12:30	Track B 13:45 – 15:15
<p>CPC-1: Benchmarking Phase III</p> <p>Alberta Report III, Phase Three of an industry-wide benchmarking effort, will focus on project performance and engineering/construction productivity of projects executed in Alberta from 2014 – 2018. This unique time period captures energy prices reaching record highs and descending to recent lows. Approximately a dozen new major projects have been captured, analyzed and benchmarked with the latest being from SAGD and upgrading projects in Alberta. This workshop will give both experienced and intermediate project professionals a better understanding of the current state of project competitiveness, how they can add value to the benchmarking infrastructure in Alberta and, most importantly, how they can use that knowledge to add value to their project execution strategy. Additionally, participants will learn about the new Construction Industry Institute “10-10 Program” that focuses on leading indicators related to project team effectiveness. By leveraging both leading and lagging indicators, project professionals can implement actions to enhance future project performance.</p>		✓
<p>CPC-2: Scalable AWP</p> <p>This workshop focuses on Scalable AWP and how it can be applied to projects under \$100M. The new model includes a screening tool to categorize projects based on familiarity and complexity and provides guidance on how to plan and execute various project types. The development team consists of approximately 40 industry professionals (owner, contractor and engineering) from Canada and the United States. Join this workshop to see the latest developments in AWP as this industry standard continues to broaden applicability.</p>	✓	
<p>CPC-3: AWP 2018 Edition: Breaking New Ground & Taking It Forward</p> <p>COAA’s AWP Committee has been busy again this year developing new tools, improving old tools, adapting to smaller projects and moving forward with the industry’s desire to understand the ROI for AWP implementation.</p> <p>This workshop will provide summaries on the following initiatives:</p> <ul style="list-style-type: none"> • ROI for AWP Implementation (in conjunction with the University of Alberta) • Scalability of AWP • Definition and Processes for PWP • Rules of Credit for EWP • Mindfulness (getting team buy-in) • Path of Construction (new and advanced tools for this key AWP process) 	✓	



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Construction Performance Committee Workshops	Track A 11:00 – 12:30	Track B 13:45 – 15:15
<p>CPC-4: Increasing Productivity: Bringing Mindfulness into AWP Execution</p> <p>Projects often face the task of getting a team(s) onboard to effectively implement a new strategy that is key to improving project outcomes. The “people side” or “soft side “of Best Practices implementation is often overlooked with the common expectation of ‘if we demand it – it will happen’. This workshop introduces Mindfulness and its potential to positively impact the productivity paradigm and site-safety going beyond the contemporary understanding on mindfulness. Incorporating a study on LEAN concepts, this workshop will help you avoid ‘running in the sand’ and sinking your efforts to bring change. Come to this presentation to learn how you can utilize Mindfulness to increase collaboration and improve your project outcome.</p> <p>As a session geared toward senior project managers, the following topics will be introduced:</p> <ul style="list-style-type: none"> • Being mindful as a “habit” and its impact on the organizational culture • Mindfulness in construction execution • Seven steps for implementing mindfulness and enhancing “people” engagement 		✓
<p>CPC-5: Productivity Calculator 101: Using & Profiting from this New Tool</p> <p>The Productivity Index (PI) is a high-level metric based on a balanced scorecard of on-site activities, linked with indirect cost indicators and FEED performance indicators. In early 2018, a prototype web-based calculator was rolled out by CII, COAA and CURT to enable easy data input and calculation of PI. This workshop will cover how to use the calculator, how to interpret the results and how to use the insights to drive company productivity improvement. For more information on the calculator, see www.coaa.ab.ca/productivity-index/.</p>	✓	



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Contracting Committee Workshops	Track A 11:00 – 12:30	Track B 13:45 – 15:15
<p>CC-1: Collaborative Contracting - Breaking Down Barriers to Greater Productivity</p> <p>Collaborative contracting is highlighted as an avenue with potential for improved productivity across the project execution cycle by breaking traditional barriers and aligning the interests to project objectives and outcomes. Join an authoritative panel to learn about key criteria, available frameworks, measurable success factors and lessons learned on collaboration. Designed to be participatory, this workshop will surface the pitfalls of misalignment and address the real challenges that often come with aligning interests. The goal of the workshop is to draw out key learnings on how to adopt and implement changed behaviors into your daily work efforts – an investment which yields a direct return on project productivity.</p>	✓	
<p>CC-2: Collaborative Contracting – Poignant Questions for Senior Leaders</p> <p>The drive for productivity requires senior project leaders to gain a more holistic view of project planning and execution. This workshop is geared toward senior project leaders on both the owner and contractor side, with a tight lens on what shapes end-to-end productivity gains. This session will identify notable levers that contribute to project productivity and allow participants to rank their performance in each one. It will be an opportunity to look in the mirror and identify areas of improvement at the individual, working group and company level as well as areas of growth and opportunity across the supply chain.</p> <p>Discussion will address the following:</p> <ul style="list-style-type: none"> • Rewiring the contractual framework • Improving procurement and SCM • Rethinking design and engineering processes • Improving onsite execution • Infusing digital technology, new materials and advanced automation 		✓
<p>CC-3: Map Out a Productive Path Forward: Ready, Set, GO!</p> <p>There are many best practices and several different options for improving productivity – which one is right for your project or your company? If you are an owner company, what is your unique role to enable progress? As a contractor, subcontractor or someone further along the supply chain, how can you facilitate a productive, win-win dialogue? Based on experience with the manufacturing sector, plus case studies from the construction sector, GO Productivity will offer a pragmatic path forward to better productivity and better profitability.</p>		✓