

# CEA Young Professionals' Conference 2023

## Complex World, Simple Solutions



Thursday, April 27 - Friday, April 28, 2023

The Westin Edmonton

Thursday, April 27, 2023		
Time	Topic	
5:00 PM	Registration Opens	
6:15 PM	<p><b><u>Reverse Engineer Your Goals &amp; Skyrocket Your Results</u></b>  <i>FACT: 90% OF BUSINESSES, TEAMS AND EMPLOYEES FAIL TO REACH THEIR GOALS AND GET THE RESULTS THEY WANT.</i></p> <p>Why is this?                      Two reasons.                      First, the majority of people set the wrong type of goals for their departments and businesses.                      Second, they work on their to do lists instead of focusing on goal achieving actions.                      In this session you will learn how to navigate our constantly changing economy and thrive instead of just survive. Learn how to convert challenges, obstacles, and adversity by bridging the gap from where you are to where you want to be and skyrocket your results. Explore the powerful and transformational mindset used by Olympians. Apply it immediately in your business (and personal life) to create the results you truly want</p> <p><b>Banquet to follow</b></p>	<p>Opening Keynote:  <b>Lori-Ann Muenzer</b>                      Business Results &amp; Mindset Coach,                      Canada's 1st Olympic Cycling Gold Medallist,                      2X Olympian, Keynote Speaker &amp; Author</p> <p><b>YP Host:</b> Brett Kruger</p>
Friday, April 28, 2023		
Time	Topic	
7:15 AM – 8:00 AM	Breakfast	
8:00 AM – 8:15 AM	<b><u>Welcome and Opening Address</u></b>	<p><b>Jason Maurer</b>                      CEA Vice President</p> <p><b>YP Host:</b> Sarbjot Singh</p>
8:15 AM – 10:00 AM	<p><b><u>The Intangible Emotional Intelligence Factor Hardly Anybody Comprehends</u></b></p> <p>If you isolate ONE THING about high achievers—the one thing that has put them at the peak of success above anything and everything else—it is their inner game. Their inner emotional intelligence leads to genuine courage. Each of us has a unique 'courage formula' programmed into our unconscious, and this formula dictates our success and happiness above all other factors. Fortunately, you can quickly re-program your 'courage formula' to generate automatic self-mastery and success in all that matters to you. This is the essence of emotional intelligence.</p>	<p>Speaker:  <b>Lisa Brown</b></p> <p><b>YP Host:</b> Sarbjot Singh</p>

# CEA Young Professionals' Conference 2023

## Complex World, Simple Solutions



Thursday, April 27 - Friday, April 28, 2023  
The Westin Edmonton

Friday, April 28, 2023		
Time	Topic	
10:00 AM - 10:15 AM	Coffee Break	
10:15 AM – 12:00 PM	<p><b><u>Panel: Risk Management: Standard of Care in Contracts and Engineering</u></b> As young professionals, risk is inherent in every process of our jobs. Contractual risk, safety risks, engineering risks, all make up portions of our day-to-day work. It is up to us to manage the risk we take on appropriately, to levels that are acceptable to ourselves and our firms. This panel will discuss ways we can balance risk in our careers, keeping risk to levels as low as reasonably possible, and how to tackle issues and problems that arise.</p>	<p>Panelists:</p> <p><b>Magdalena Cammidge</b> <b>CIP, CCIB, CRM</b> Senior Advisor, Partner Lloyd Sadd</p> <p><b>Michael Markowski, P.Eng.</b> Director of Risk and Commercial Management DIALOG</p> <p><b>Yves Cormier, P.Eng.</b> VP Risk Management Englobe</p> <p><b>YP Moderators:</b> Lucas Green and Victoria Buffam</p>
12:00 PM – 1:15 PM	Lunch	
1:15 PM – 2:00 PM	<p><b><u>History and Future of Computational Tools</u></b> Innovation in the engineering industry can take many forms. An example of this is recognizing tasks in your daily work that could be improved that not only benefit yourself and your company, but the industry as a whole. There is often resistance to new innovations, but these can be overcome with persistence.</p> <p>In this presentation Samer Adeeb, PhD, PEng and his Students will take us on a journey of engineering calculations, from the humble calculator he used in the 1990s, to a Python Cloud based platform tailor made for engineering applications. Samer recognized the trajectory and changes of the technology throughout his career, and extrapolated it for the future, developing his own company.</p>	<p>Speaker:</p> <p><b>Dr. Samer Adeeb</b> <b>Ph.D., P.Eng.</b> Professor and Interim Chair Civil and Environmental Engineering School of Mining and Petroleum Engineering University of Alberta</p> <p><b>with Weichen Qiu and Daren Trinh</b> from MecSimCalc</p> <p><b>YP Host:</b> Aidan Cooper</p>

# CEA Young Professionals' Conference 2023

## Complex World, Simple Solutions



Thursday, April 27 - Friday, April 28, 2023  
The Westin Edmonton

### Friday, April 28, 2023

Time	Topic	
2:00 PM - 2:45 PM	<p><b><u>Drones &amp; Autonomy</u></b></p> <p>The emerging discipline of UAVs in the engineering and consulting world is nothing new. In fact, drones have been used for surveying applications since the early 2000s. However, technological and regulatory limitations have prevented drones from being utilized to their full potential until more recently. Now, sophisticated UAV technology is not only widely accessible, but very profitable for many engineering and consulting firms across Alberta. Drones allow engineers and land surveyors to gather data across vast and remote areas with high accuracy and efficiency without the costs and safety risks of sending out crews with traditional GPS survey equipment. Surveying with drones is only the tip of the iceberg, and many other applications for UAVs such as construction inspection, 3D mapping, and aerial imagery are emerging at an equally rapid pace. Join us for an in-depth discussion on what this means for our industry as we know it!</p>	<p>Speaker: <b>Hanh N. Hong, M.Sc., P.Eng.</b> Senior Geotechnical Engineer AECOM</p> <p><b>Nathan Mayer, P.Eng.</b> Remote Sensing Geomatics Technician Global Raymac Surveys</p> <p><b>Steaphan MacAulay</b> VP Transportation &amp; Infrastructure Global Raymac Surveys</p> <p><b>YP Host:</b> Aidan Cooper</p>
2:45 PM – 3:00 PM	Coffee Break	
3:00 PM – 4:30 PM	<p><b><u>Continuously Improving You and Your Organization</u></b></p> <p>This workshop will focus on two related topics: 1) goal setting for yourself and your organization and 2) feedback loops. In the first half, we will explore examples of Big Audacious Goals for yourself and your organization. What is worthy of your time and attention? And then we will break these down into bite-sized SMART goals. And we'll discuss tips to help when you are stuck. In the second half, we will discuss feedback. How do you know you and your organization are on track or need redirection? We will discuss how to build the giving and receiving of regular, timely, and constructive feedback into your schedule.</p>	<p>Speaker: <b>Dr. Lianne Lefsrud Ph.D., P.Eng.</b> Risk, Innovation, and Sustainability Chair (RISC) and Associate Professor, Chemical and Materials Engineering</p> <p><b>YP Host:</b> Michael D'Souza</p>
4:30 PM **Program subject to change	Closing Remarks	<p><b>Ryan Betker</b> CEA President</p> <p><b>YP Host:</b> Brett Kruger</p>