APEGS

Association of Professional Engineers & Geoscientists of Saskatchewan

APEGS 95th Annual Meeting and Professional Development Conference

Designing for the Future

May 2 & 3, 2025 | Delta Hotel | Regina SK

SCHEDULE

Friday, May 2

7:30 – 9:45 am **(Lombardy/Tuscany)**
Breakfast and Keynote Speaker
(keynote starts at 8:30 am)

9:55 – 10:55 am **(Lombardy/Tuscany)**
Ethics Keynote Speaker

11:10 am – 12:10 pm
Professional Development Sessions

12:10 – 2:00 pm **(Lombardy/Tuscany)**
Lunch and Keynote Speaker

2:15 – 4:30 pm
Professional Development Sessions

5:00 – 8:00 pm **(Convention Foyer)**
President's Reception

SCHEDULE

Saturday, May 3

7:30 – 8:30 am **(Trentino)**
Breakfast

8:00 – 9:00 am **(Convention Foyer)**
Business Meeting Registration

9:00 am **(Lombardy/Tuscany)**
APEGS 95th Annual Meeting
Business Meeting

8:30 – 11:30 am **(Campania)**
Kids Science Camp (ages 4 to 12)

Morning Keynote

8:30 – 9:45 am

Stress Wisely: The Essential Tools for Living and Working Well

Robyne Hanley-Dafoe

The stress wisely approach is a kind-hearted reckoning against everything we have learned about stress delivered as a knockout punch.

Using her signature honesty, humour, relatability, and gift of translating scientific research, Dr. Robyne Hanley-Dafoe invites you to lean into the parts of you that intuitively knows there must be a better way to achieve greatness in both livelihood and lifestyle. Using the eight realms of wellness, she presents deep, yet clear and concise, insights and strategies that are instantly actionable.

It's time to stress wisely and live well. Learn how to harness stress as an ally, not an adversary, and elevate your capacity for peak performance and resilience. Audiences will learn how to transform their relationship with stress, gaining actionable strategies to harness it as a powerful ally for achieving peak performance and enhanced resilience.

Robyne Hanley-Dafoe

An educational behaviorist (one of very few in the world) and a globally recognized speaker and scholar, Dr. Robyne Hanley-Dafoe is also your friendly neighborhood scientist who makes life make sense! With a treasure trove of awards and a world-wide following, she's on a mission to empower audiences everywhere with practical strategies for fostering resiliency and making stress your ally, not your enemy.

Hanley-Dafoe embodies her teachings by seamlessly blending real-world realities, rigorous research, and profound wisdom with her own personal journey. A mother of three teenagers, a high school dropout turned respected professor, author, entrepreneur and survivor of a life-altering accident, her life story exemplifies her unwavering dedication of spreading resilience. Hanley-Dafoe proves that it is not just a theory, but a transformative skill set.

Known for her engaging delivery, Hanley-Dafoe crafts experiences that integrate scientific research with inspirational narratives into actionable insights across diverse platforms. Her approachability and relatability shine through, inspiring individuals and organizations to face challenges with confidence.

Ethics Keynote

9:55 – 10:55 am

Re-Imagining a New Way Forward with Intention

Sheila Watt-Cloutier

"We must now speak environment, economy, foreign policy, health and human rights in the same breath," says Sheila Watt-Cloutier. In this truly globe-spanning talk, Watt-Cloutier provides a clear, meaningful, and comprehensive understanding of the way these issues are interconnected, and what it means for the future of our planet. Speaking on leadership, she shows how your organization fits into the grand scheme of things, and organizations can fulfill their mandate by understanding how the local connects to the global, and vice versa.

With a focus on solutions, Watt-Cloutier brings the realities of the Arctic—where Inuit today face profound challenges to their environment, their economy, their health and their cultural well-being—to light. The challenges they face are clearly connected to the industries we support, the disposable world we have become, and the non-sustaining policies we create. Because her Inuit culture faces the most extreme challenges of globalization, Watt-Cloutier speaks from firsthand experience, and couples that with her extensive experiences as a global leader.

Drawing upon her ancient culture, and speaking from a position of strength, not victimhood, she helps audiences find common ground. Her Arctic voice--not as far away as we might imagine--enlightens and inspires. With inclusive good will, it bridges some extremely divided gaps around the world.

Sheila Watt-Cloutier

Nobel Peace Prize nominee Sheila Watt-Cloutier is in the business of transforming public opinion into public policy. Experienced in working with global decision-makers for more than a decade, Watt-Cloutier offers a new model for 21st century leadership. She speaks with passion and urgency on the issues of today — the environment, the economy, foreign policy, global health, and sustainability — not as separate concerns, but as a deeply interconnected whole. At a time when people are seeking solutions, direction, and a sense of hope, this global leader provides a big picture of where we are and where we're headed.

In 2007, Watt-Cloutier was nominated for the Nobel Peace Prize for her advocacy work in showing the impact of global climate change on human rights - especially in the Arctic, where it is felt more immediately, and more dramatically, than anywhere else in the world. Watt-Cloutier is an Officer of the Order of Canada, and the recipient of the Aboriginal Achievement Award, the UN Champion of the Earth Award, the Norwegian Sophie Prize, the Jack P. Blaney award for Dialogue, and the Right Livelihood Award, which is widely considered the "Nobel Alternative".

From 1995-2002, Watt-Cloutier was elected the Canadian President of the Inuit Circumpolar Council (ICC). She was later elected in 2002 to become the International Chair of the ICC, representing the 155,000 Inuit from Canada, Greenland, Alaska, and Russia — she held this post until 2006.

Lunch Keynote

1:00 – 2:00 pm

AI and Crime

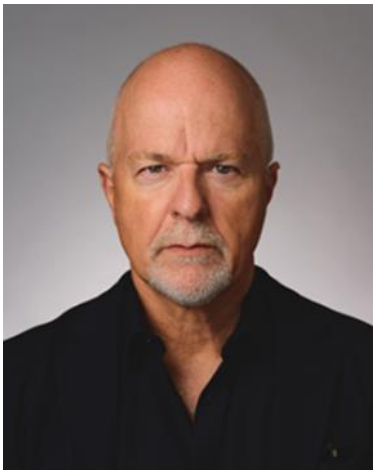
Chris Mathers

Artificial Intelligence is software that mimics human cognition in order to perform complex tasks and learn from them. Its positive potential is limitless but, like any technology, it can be abused. Criminals are already using audio and video impersonation to defraud and extort us. Foreign governments are using AI to influence our political beliefs.

On the upside, AI can detect fraud, spam calls, and phishing attempts much better than people can. AI never sleeps or even gets tired and it won't call in sick.

Join Chris Mathers as he shares the latest amazing advances in AI, describing how the bad guys are using this amazing technology against us and how the good guys are using it to catch them.

Chris Mathers



Chris Mathers spent most of his life working undercover for the Royal Canadian Mounted Police, US Drug Enforcement Administration, and the US Customs Service. Posing as a gangster, a drug trafficker, and even a money launderer, Mathers has seen and done it all. He takes

audiences into the underworld that only he can describe, letting people in on the stunning stories and secrets harboured by terrorists and those involved in organized crime.

Mathers retired after a 20-year career with the Royal Canadian Mounted Police. He then joined the Forensic Division of the international accounting firm, KPMG in 1995. He was appointed to the position of President of KPMG Corporate Intelligence Inc. in 1999, where he was responsible for international due diligence, asset recovery operations, and the investigation and prevention of organized crime and money laundering.

A popular media commentator and speaker, Mathers has served as a consultant on several feature films and documentaries relating to organized crime, espionage, and money laundering. He has appeared on television and radio interviews on CNN, PBS, MSNBC, and all Canadian national news networks as well as media outlets in Asia, Africa, Europe, Australia, and the Caribbean.

Mathers is a unique, humorous, and fascinating speaker who touches on issues from security, hiring decisions, and background checks to money laundering, corporate fraud, and the incredible impact artificial intelligence (AI) is having on the prevention and spread of crime. Mathers offers wise insights on human character and organizational culture that can help you spot and avoid the perils of white-collar crime.

Track 1
Engineering

Location: Trentino

11:10 am - 12:10 pm

Protecting Structures and Assets Against Wildfire - Current Research and Needs
Mark Ackerman, P.Eng.

2:15 - 3:15 pm

Building Saskatchewan's Smart Grid
Grant Crawford, P.Eng., B.Ed., MBA and Mark Sax, P.Eng., M.Sc.

3:30 - 4:30 pm

Shifting Perspectives on Wastewater Reuse in Saskatchewan
Dr. Kerry McPhedran, Ph.D., P.Eng.

Track 2
Geoscience

Location: Campania

11:10 am - 12:10 pm

Compressed Air Energy Storage (CAES) Potential in Saskatchewan
Brian Brunskill, P.Geo.

2:15 - 3:15 pm

Sustainable Development - Protect, Restore and Preserve Soils
Shahid Azam, Ph.D., P.Eng.

3:30 - 4:30 pm

Why is the Athabasca Basin exceptionally endowed with large and rich uranium deposits and what is the implication for uranium exploration?
Dr. Guoxiang Chi, P.Geo.

Track 3
Professional Skills

Location: Umbria

11:10 am - 12:10 pm

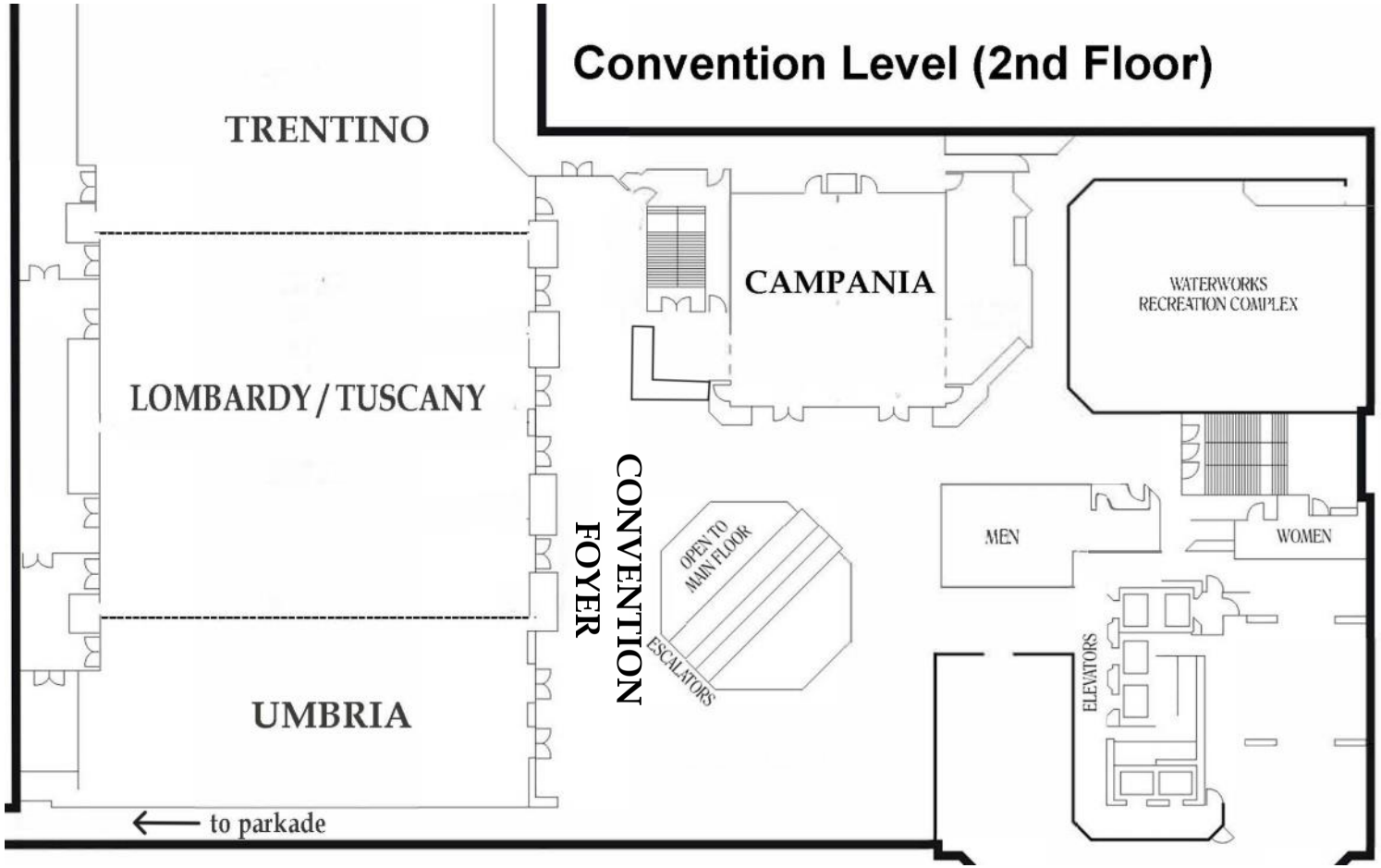
Leveraging AI to Drive Innovation Using a Disciplined and Systematic Approach
Tate Cao, P.Eng. and
Tom Kishchuk, P.Eng.

2:15 - 3:15 pm

Voices of Tomorrow: Emerging Professionals Share Their Insights on the Professions
Moderated By: Tracy McArthur, P.Eng.
Panelists: Adam Webster, Ashlyn Elmer and Krunal Chavda

3:30 - 4:30 pm

Blueprint for Success: What Employers Seek
Penny Popp, P.Eng.


Convention Level (2nd Floor)
TRENTINO
LOMBARDY / TUSCANY
UMBRIA
CONVENTION FOYER
CAMPANIA
WATERWORKS RECREATION COMPLEX
OPEN TO MAIN FLOOR
ESCALATORS
MEN
WOMEN
ELEVATORS
to parkade

Engineering Tracks

11:10 am – 12:10 pm

Protecting Structures and Assets Against Wildfire - Current Research and Needs

Mark Ackerman, P.Eng.

Losses from wildfire in Western Canada over the past decade have cost more than $9 billion, not counting the money that was spent on suppression activities and cleanup. Most predictions indicate that climate change will result in increased annual temperature in Western Canada and, as a result, a more prolonged fire season. Hardening of communities and assets against wildfire requires a good understanding of the multitude of potential pathways that lead to the destruction.

Field studies of the causes of asset loss (structures or other tangible assets) are expensive, difficult to do, and largely confined to very remote locations. Limited sites exist in Western Canada for such testing. The Community Protection Site in the NWT (1200 km North of Edmonton) has been used for more than 20 years to better understand wildfire spread and prediction as well as protecting people and assets.

Mark Ackerman is a semi-retired Mechanical Engineer that has worked for the University of Alberta for 40+ years. He lives in rural Strathcona County and enjoys building stuff – metal, wood, does not matter as long as he can be creative. Currently projects involve “setting the world on fire“ - as if it needed help. These projects include the design and construction of helitorches or ground operated torches – devices used to start fires for prescribed burning, wildland fire

fighting and experimental fires.

The other side involves trying to harden communities against wildfire threats. Given the astronomical losses that have happened in the last decade – both in Canada and the US, preventing structure loss is a “hot” topic.

He volunteers with the Colchester Community League and the Colchester and District Ag Society. You will either find him tinkering in his shop or over at the community hall doing whatever is needed.

2:15 – 3:15 pm

Building Saskatchewan’s Smart Grid

Grant Crawford, P.Eng., B.Ed., MBA and
Mark Sax, P.Eng., M.Sc.

SaskPower manages Canada’s largest electrical distribution network, a network that when laid end to end nearly circles the earth four times. SaskPower's legacy system did not provide visibility of the infrastructure nor the 550,000 customers relying on it for their daily power needs. Without this visibility, SaskPower had to depend on customers to report power outages.

Developments in utility infrastructure and control systems have made it possible to gain better visibility of the network. Intelligent electronic devices enable monitoring of the grid as well as remote control and automation of its operations. These technologies have contributed to the development of a "Smart Grid," offering benefits for customers, operational efficiency, and system planning.

This presentation will discuss the challenges, opportunities, and essential components of SaskPower’s efforts in integrating technologies, processes, and personnel to build a modern grid that can adapt to our customer’s evolving needs.

Grant Crawford is the Director of Distribution Asset Management & Planning for SaskPower. In this role he is accountable for the lifecycle asset management of Saskatchewan's electrical distribution network and leading the Grid Modernization program.

Grant completed two degrees at the University of Saskatchewan, a Bachelor of Education and a Bachelor of Science in Engineering Physics. He has held a Professional Engineering license in Saskatchewan since 2000. In 2022 Grant completed a Master's of Business Administration through Royal Roads University.

Grant spent six years teaching high school, before a career change to Engineering. He has spent the last 20 years leading Engineering & Planning functions for Telecommunications, IT, and Utilities.

Mark Sax is the Director of the Distribution Control Office at SaskPower. In this role he is accountable for the centralized operations of the province's distribution system including the Outage Centre and Distribution Control Centre.

Mark completed a Bachelor of Applied Science in Electronic Systems Engineering at the University of Regina in 2005 before pursuing a Master's of Science in Electrical Engineering at the University of Alberta in 2007.Mark spent the first 14 years of his career in Saskatchewan's nitrogen and potash fertilizer manufacturing industries. He joined SaskPower in 2021 to build and grow the Distribution Control Office to a province-wide operation leveraging the latest in modernized grid technologies.

3:30 – 4:30 pm

Shifting Perspectives on Wastewater Reuse in Saskatchewan

Dr. Kerry McPhedran, Ph.D., P.Eng.

Water reuse, also known as recycling or reclamation, involves treating wastewater from various sources for beneficial purposes such as environmental restoration, groundwater replenishment, agriculture and irrigation, industrial processes, and potable water supplies. Municipalities across Canada and worldwide continue to grow in population, leading to increasing demands for potable water. In response to water scarcity caused by climate change, communities must adapt to this shortage, with the reuse of municipal wastewater being considered more frequently to meet potable water needs. Municipal wastewater has been the primary focus of most reuse projects, while the reuse of municipal stormwater is gradually gaining interest globally. However, research and application of stormwater as a potable water source have been limited, with irrigation primarily being the focus. This presentation will discuss the technical challenges associated with direct potable reuse (DPR) and indirect potable reuse (IPR) in Saskatchewan

Dr. Kerry McPhedran is a Professor and Centennial Enhancement Chair in Water Stewardship for Indigenous Communities. They are a faculty member and Graduate Chair in the Department of Civil Geological and Environmental Engineering at USask and a member of the Global Institute for Water Security. Dr. McPhedran is an award-winning environmental engineer with expertise in municipal and industrial wastewater, stormwater runoff, and recreational

water quality. Dr. McPhedran is an award-winning environmental engineer with expertise in municipal and industrial wastewater, stormwater runoff, and recreational water quality. Dr. McPhedran is an award-winning environmental engineer with expertise in municipal and industrial wastewater, stormwater runoff, and recreational water quality. led projects in collaboration with the City of Saskatoon and other municipal stakeholders focusing on the role of stormwater retention ponds and other urban water infrastructure in mitigating stormwater quality issues.

Geoscience Tracks

11:10 am – 12:10 pm

Compressed Air Energy Storage (CAES) Potential in Saskatchewan

Brian Brunskill, P.Geo.

We have enormous wind and solar power generation potential in Saskatchewan, but their intermittent nature constrains their utility-scale inclusion into our energy-supply mix. Long-duration and scalable energy storage systems like CAES are required to fully integrate renewables by converting this intermittent supply to firm capacity. Due to our resource-rich and diverse geology, we can store wind and solar generated power as compressed air in salt caverns. When renewables are not available for direct generation, this compressed air can be controllably released to power an electricity-generating turbine. This technology has been used reliably at Huntorf, Germany since 1978 to operate a 290 MW CAES plant, and at McIntosh, Alabama since 1991 to operate a 110 MW plant, providing industry over 80 years of operational experience. In Saskatchewan, we can harness our significant wind and solar

resources and experience operating salt caverns (over 50 so far) to provide reliable, grid-scale, low-carbon electricity.

Brian Brunskill provided geological consulting services to the petroleum and potash-mining industries in Canada since 1985. From 2003-06, work included the geological assessment of deep saline aquifers for the disposal of carbon dioxide and other industrial liquid-waste products and from 2005-12, investigations included the technical feasibility of disposing spent nuclear fuel beneath sedimentary basins. Since 2007, assessment work has included the potential for mining geothermal heat from deep aquifers to be used in direct heating applications, including the recently announced new Indoor Aquatic Facility in Regina. Since 2018, work has included researching the potential application of Compressed Air Energy Storage (CAES) technology in Saskatchewan.

2:15 – 3:15 pm

Sustainable Development - Protect, Restore and Preserve Soils

Dr. Shahid Azam, Ph.D., P.Eng.

Geoengineers and geoscientists have developed sustainable (cost effective, environmentally friendly, and socially acceptable) solutions for a broad spectrum of field applications involving earthen materials. Their work is relevant to several of the United Nations Sustainable Development Goals (SDGs), particularly “Life on Land” (SDG 15) that focuses on the protection, restoration, and preservation of soils.

This presentation will highlight the cross-disciplinary nature of geoengineering (derived from geology, environment, and

atmosphere) to address complex issues in key sectors of the Canadian economy. Saskatchewan-based case studies related to mining (management of slurry tailings), infrastructure (construction on problematic soils), and agriculture (moisture prediction for crop production) will be presented. Insights on successful implementation and future direction will be provided to inspire the geo-community to safeguard soils from the impacts of climate change (flash floods, droughts), natural hazards (landslides, earthquakes), and environmental pollutants (fertilizers, toxic wastes).

Shahid Azam has worked internationally for more than thirty years in the fields of geotechnical and geoenvironmental engineering in academia, consulting, and government. He focuses on characterization and improvement of expansive clays, mining wastes, and glacial soils. He trained more than 40 highly qualified professionals and authored more than 175 journal and conference publications. He is routinely invited to deliver keynote lectures and to serve on expert panels for a variety of industrial projects. He received several awards for his contributions to applied research, public education, and community service including the APEGS McCannel Award (2023) and the Canadian Geotechnical Society's Geoenvironmental Award (2012).

3:30 – 4:30 pm

Why is the Athabasca Basin exceptionally endowed with large and rich uranium deposits and what is the implication for uranium exploration?

Dr. Guoxiang Chi, P.Geo.

The Athabasca Basin in northern Saskatchewan is known for its world-class uranium deposits unmatched by any other uranium deposits globally. Although the genesis of these deposits has been well explained in the "diagenetic-hydrothermal" model proposed more than four decades ago, it remains unclear why the Athabasca Basin is exceptionally endowed with uranium resources. This presentation aims to address this question and its implication for uranium exploration. Integrated geological and geochemical studies indicate that basin-wide development of hyperacidic (pH < 3.5), uranium-rich basinal brines, coupled with supply of reducing gases from depth in the basement, is responsible for the unusual uranium mineralization. Identification of the geological factors controlling such favorable mineralization conditions, including potassium-rich brines derived from high-degree seawater evaporation, quartz-dominant sandstone with uranium-rich zircon and rutile and scarce feldspars and carbonates, and episodic reactivation of deep-seated basement faults, is important for uranium exploration.

Dr. Guoxiang Chi is a professor of geology in the Department of Earth Sciences, University of Regina. He specializes in mineral deposit geology and geochemistry, with particular interest in geofluids and their roles in the formation of mineral resources. His current research focuses on the hydrodynamic linkage between shallow and deep parts of mineral systems and their roles in the localization of ores, especially the mineralization of uranium and associated rare earth elements, nickel and cobalt in the Athabasca Basin.

Professional Skills Tracks

11:10 am – 12:10 pm

Leveraging AI to Drive Innovation Using a Disciplined and Systematic Approach

Tate Cao, P.Eng. and
Tom Kishchuk, P.Eng.

Today's world needs engineering and geoscience ingenuity to develop better infrastructure, transform our use of energy, reimagine our cities and works, and more. Innovation is needed to close the gaps that exist between the invention of ideas and the deployment of new technologies.

In this talk, we will dive into a nonlinear innovation process that is full of twists and turns. We will first identify different types of innovation and explore the challenges and opportunities for technology-driven innovation. We will explore how an innovation framework can support the systematic approach to create and sustain innovation. And finally, we will look at a new development in Generative AI and explore how it can be used to accelerate the innovation process.

Tate N. Cao is an Assistant Professor at the Ron and Jane Graham School of Professional Development at the University of Saskatchewan. He is the La Borde Chair in Engineering Entrepreneurship and teaches courses on engineering technology management, product design, and entrepreneurship. His research interests include 3D printing in tissue engineering and healthcare, smart farming technologies, and entrepreneurial practices.

He has founded and directed the SIGMA Educational Skill Accelerator program and serves on several boards. Recently he led the initiative for USask to be one of the five founding members the Global Leader of Entrepreneurship Education Network (GLEEN) with Martin Trust Center of Entrepreneurship at MIT. Prior to joining USask, he practiced intellectual property law and built and managed technology startup companies. Prof. Cao received his bachelor's degree in Biomedical Engineering from Beijing Institute of Technology and his Master's in Biomedical Engineering and MBA from the University of Saskatchewan. He is one of the six USask Sustainability Faculty Fellow and leads the Smart Farming Initiative at the College of Engineering.

Tom Kishchuk has over 30 years of technical and business leadership experience in global and national organizations including former roles as President and CEO of Mitsubishi Hitachi Power Systems Canada Ltd., and Vice President Operational Support at Federated Co-operatives Limited. Tom is now Managing Director of TPK Management Consulting Inc. and is continuing to support several organizations in their growth journeys.
Tom is passionate about the Canadian startup ecosystem and has been active as an Executive in Residence, mentor, advisor, fractional executive and angel investor for many years. Tom has a BSc and MSc in Mechanical Engineering from the University of Saskatchewan, has completed the Ivey Executive Program at the Richard Ivey School of Business and is a founding member of the Martin Trust Center for MIT Entrepreneurship Global Leaders Entrepreneurship Educators Network.

2:15 – 3:15 pm

Voices of Tomorrow: Emerging Professionals Share Their Insights on the Professions

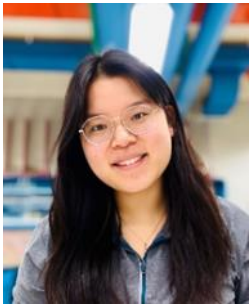
Moderated By: David deMontigny, P.Eng.
Panelists: Adam Webster, Ashlyn Elmer and Krunal Chavda

This panel discussion offers an insightful opportunity to hear from new and emerging professionals in the engineering industry. By providing a platform for early-career engineers to share their perspectives, the discussion will highlight what they are looking for in their careers, the values they hold, and how they envision their professional development.

David deMontigny is an engineering professor at the University of Regina. Over the past 20 years he has had the opportunity to serve in a variety of administrative roles and mentor numerous student groups and organizations. He is currently the Academic Integrity Officer in the Faculty of Engineering and Applied Science, and he loves teaching first-year engineering students. His most recent project is a podcast called Engineering Conversations, where he explores the careers of engineers working here in Saskatchewan. David has served on several APEGS committees during his career and encourages everyone to get involved with the association!

Adam Webster (they/them) is a 2nd year chemical engineering student who spends much of their time engaging with the community through student groups, instructing science camps, and volleyball. They were a part of the Saskatoon

Engineering Student Society as the VP external in their first two years and attended many conferences as the Voting Member representing USask. Since then, Adam helped found the USask EngiQueers group and is now focusing on growing EngiQueers and keeping up with classes.



Ashlyn Elmer is a new graduate from the University of Saskatchewan with a Bachelor's in Civil Engineering. Her subdiscipline focus is in geotechnical, structural, and water structures engineering. Her previous work experience includes three engineering internships across three industries: Municipal Consulting - BCL Engineering, Highways Construction - Soli Solutions (KGS), Project Management and Bridge Construction - City of Edmonton. Additional experience has included being an undergraduate Teaching Assistant for an upper year geotechnical course (CE330) and a Research Assistant for a PhD Traffic Loading project. During her schooling, Ashlyn has participated in several extracurriculars from Steel Bridge Design team, Space Design Team, CSCE, USCGS, and Plan Canada. Ashlyn anticipates beginning her Engineer-in-Training experience with WSP consulting at the end of May. Outside of academia, you can find her playing musical instruments, or out on the squash court.

Krunal Chavda (he/him) is a third-year computer engineering student. He is currently the University of Saskatchewan Students' Union (USSU) president. Krunal has served as a Member of the Student Council for international students and as a Senator in 2022-2023. He was also the President of the Indian Students Association in 2023-2024. When not busy with his studies and work, Krunal can be found creating and designing projects using both software and hardware components.

3:30 – 4:30 pm

Blueprint for Success: What Employers Seek

Penny Popp, P.Eng.

Landing the right engineering job takes more than just technical skills—it requires an understanding and approach to what employers truly value. This session provides a practical roadmap for new engineers, helping them align their skills, mindset, and approach with employer expectations.

Learn the key attributes hiring managers look for, from problem-solving abilities to adaptability and communication. Discover how to effectively showcase your experience, leverage networking opportunities, and navigate the hiring process with confidence.

Whether you're a recent graduate or transitioning into a new opportunity, this session will equip you with the insights and strategies needed to stand out and secure your next position. Join us for an engaging discussion on drafting a blueprint for your success in today's job market!

Penelope (Penny) Popp is the founder and CEO of Pyvot, bringing 25 years of leadership experience to consulting and project delivery. With nearly two decades of experience in staffing and team development, she has built and led high-performing engineering teams that drive success in complex projects.

Penny has managed multimillion-dollar infrastructure initiatives, demonstrating strategic expertise in delivering operational, policy, and capital programs. Her ability to navigate technical and human challenges makes her a sought-after advisor on complex infrastructure projects, team

dynamics, leadership, and workforce development.

Penny holds a Professional Engineer (P.Eng.) designation in Saskatchewan, Nunavut, and the Northwest Territories, along with credentials in project management, leadership coaching, and change management. Passionate about helping engineers thrive in dynamic environments, she shares insights on what employers look for in today's workforce—bridging technical excellence with the essential skills that drive career success.

APEGS 95th Annual Meeting
Business Meeting

Saturday, May 3

8:00 – 9:00 am **(Convention Foyer)**
Business Meeting Registration

9:00 am **(Lombardy/Tuscany)**
APEGS 95th Annual Meeting
Business Meeting

Agenda will include:

- Respect to Deceased Members
- Introduction of 2024-2025 APEGS Council
- Recognition of Past Presidents and Special Guests
- Message from Engineers Canada and Geoscientists Canada
- Approval of May 4, 2024 Annual Meeting Minutes
- Business Arising from Minutes
- Message from the President
- Report from the Executive Director and Registrar
- Public Appointee Reports for Investigations and Discipline
- Acceptance of 2024 Annual Report
- Presentation of Bylaw Amendment
- Audited Financial Report
- Appointment of 2025 Financial Auditor
- New Business Motions
- 2025 Election Results
- Council Induction Ceremony

Kids Science Camp
(ages 4 to 12)

Saturday, May 3

8:30 – 11:30 am **(Campania)**

Educating Youth in Engineering and Science (EYES) works as part of the University of Regina, and is a non-profit organization dedicated to promoting STEM subjects to youth throughout Southern Saskatchewan. Through hands-on science experiments and activities students are encouraged to follow their curiosities and ask questions in a safe and open environment. EYES strives to include all children, regardless of culture, socio-economic status, needs, gender, ethnicity, and others who are traditionally underrepresented in the sciences. EYES provides valuable work experience for post secondary undergraduate students and high-school volunteers, enriching the community at the University of Regina.

Continuing Professional Development Credits

Are you aware that attendance at the APEGS 95th Annual Meeting and Professional Development Conference can earn you continuing professional development credits? The table below indicates the CPD credit categories that apply to each session.

Day	Event	CPD Credit Category	
		Formal Activity*	Partici-pation
Friday	Morning Keynote	✓	
	Ethics Keynote	✓	
	Professional Development Sessions	✓	
	Lunch Keynote	✓	
	President's Reception		✓
Saturday	Annual Meeting		✓

7:30 - 8:20 am	Breakfast Buffet and Check In Starts		
8:20 - 8:30 am	Opening Remarks		
8:30 - 9:45 am	Morning Keynote **Stress Wisely: The Essential Tools for Living and Working Well** Speaker: Robyne Hanley-Dafoe		
9:55 - 10:55 am	Ethics Keynote **Re-imagining a New Way Forward with Intention** Speaker: Sheila Watt-Cloutier		
	Track 1 **Engineering**	**Track 2** **Geoscience**	**Track 3** **Professional Skills**
11:10 am - 12:10 pm	**Protecting Structures and Assets Against Wildfire - Current Research and Needs** Mark Ackerman, P.Eng.	**Compressed Air Energy Storage (CAES) Potential in Saskatchewan** Brian Brunskill P.Geo.	**Leveraging AI to Drive Innovation Using a Disciplined and Systematic Approach** Tate Cao, P.Eng.
12:10 - 1:00 pm	Buffet Lunch		
1:00 - 2:00 pm	Lunch Keynote **AI and Crime** Speaker: Chris Mathers		
2:15 - 3:15 pm	**Building a Saskatchewan's Smart Grid** Grant Crawford P.Eng. and Mark Sax, P.Eng.	**Sustainable Development - Protect, Restore and Preserve Soils** Shahid Azam, P.Eng.	**Voices of Tomorrow: Emerging Professionals Share Their Insights on the Professions** Panel Discussion
3:30 - 4:30 pm	**Shifting Perspectives on Wastewater Reuse in Saskatchewan** Kerry McPhedran, P.Eng.	**Why is the Athabasca Basin exceptionally endowed with large and rich uranium deposits and what is the implication for uranium exploration?** Guoxiang Chi, P.Geo.	**Blueprint for Success: What Employers Seek** Penny Popp, P.Eng.

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