Location: Adam Ballroom
Convention Floor

Program Schedule	
9:30 AM – 10:00 AM	Registration Desk Opens
10:00 AM – 11:30 AM	**Professional Responsibilities and Standards: What You Need to Know and Do** Presented by: APEGS Staff
11:45 AM – 1:30 PM	Lunch Buffet and Keynote Presentation **AI Ethics: Navigating Bias in the Digital Age** Presented by: Ramy Nassar
1:45 PM – 2:45 PM	**Ethical Situations from the Perspective of the Engineering Co-op Internship Program** Presented by: Tracy McArthur, P.Eng.
3:00 PM – 5:00 PM	**Boost Your Career: Discover the Array of Professional Development Resources in Your Area** Networking reception

Program Schedule - Monday, October 23, 2023

10:00 AM to 11:30 AM – Adam Ballroom

Professional Responsibilities and Standards: What You Need to Know and Do
Presented by APEGS Staff

This session will cover:

- What is professionalism?
- How APEGS supports and regulates the professions of engineering and geoscience
- The professional responsibilities and obligations for practice in Saskatchewan, such as authentication of documents, investigation and discipline processes, and protecting public interests
- Continuing education and the CPD program and what changes are coming in 2024
- Updates on proposals for a new corporate regulation program
- Proposed amendments to the Act and Bylaws

This session is designed for all members who want to learn more about their roles and responsibilities as engineers and geoscientists in Saskatchewan. You will also have the opportunity to ask questions and interact with APEGS experts. Register today and don't miss this chance to advance your career!

AI Ethics: Navigating Bias in the Digital Age

AI expert **Ramy Nassar** delves into the intricate world of ethics in AI, shedding light on the prevailing biases embedded within algorithms and the associated risks & opportunities. Drawing from real-world examples, Ramy illuminates the importance of crafting AI systems that are equitable, transparent, and inclusive. This interactive presentation challenges participants to explore how they can gain a competitive advantage through the use of AI while ensuring that the risk of bias is minimized. A crucial discourse for anyone invested in the future of technology.

Learning outcomes:
1. Understand the inherent biases present in AI systems and their origins.
2. Recognize the ethical challenges and dilemmas posed by biased algorithms on individuals and society.
3. Gain insights into real-world consequences of unchecked AI biases and their broader societal impact.
4. Learn strategies and best practices for designing and implementing more equitable and transparent AI systems.
5. Appreciate the critical role of leaders, stakeholders, and the broader community in shaping an ethically sound AI-driven future.

Ramy Nassar is an accomplished Canadian engineer, designer, and maker with a rich history of innovation and expertise in the intersection of technology and design. With a career spanning nearly 25 years, Ramy has become a renowned figure in the fields of digital product creation, AI integration, and design thinking.

Ramy Nassar has held key leadership roles at esteemed organizations, showcasing his ability to lead cross-functional teams in the creation of groundbreaking digital products. As the former Head of Innovation for Mattel, he spearheaded the development of innovative toys that seamlessly integrated technology and imagination, changing the way children engage with play. Additionally, Ramy's tenure as the Managing Director of Design & Strategy at Architech marked his commitment to crafting disruptive digital solutions for a diverse clientele, including prominent names like Cadillac Fairview, Apple, Air Canada, Facebook, New Balance, Rogers, and CIBC.

Ramy's impact has been acknowledged through various awards and accolades, including his recognition as a top 40 under 40 awardee.

Beyond his professional achievements, Ramy Nassar's relatability shines through his passion for education and knowledge-sharing. As an educator, he imparts his wisdom on Design Thinking and AI to students at esteemed institutions such as McMaster University, Ryerson University, and the University of Toronto. Ramy's commitment to global knowledge dissemination is evident through his AI + Design Thinking course at NTNU in Norway and the Master's of Engineering, Innovation & Entrepreneurship program at Toronto Metropolitan University.

1:45 PM – 2:45 PM – Adam Ballroom

Ethical Situations from the Perspective of the Engineering Co-op Internship Program
Presented by: Tracy McArthur, P.Eng., Co-op Coordinator, College of Engineering, University of Saskatchewan

Co-op students are routinely confronted by ethical dilemmas while looking for and on their cooperative education assignments. They may not, however, understand and recognize these situations. It is our responsibility as professional engineers and geoscientist to not only mentor these future professionals in the APEGS competencies but also on how to honour the Code of Ethics. In this session, you will hear several recent situations that co-op students have faced and potential ways that we, as members of APEGS, can do our ethical due diligence when these situations arise.

Tracy graduated with a B.E. in 2005 and a M.Sc. in 2011. She began her career as a Water Resources Engineer, where she worked for seven years before going back to the USask College of Engineering as a sessional lecturer. While sessional lecturing she became a certified life coach to help professionals navigate the challenges of their life and career. She enjoyed teaching so much that she took a full-time position with the College of Engineering. She continues to maintain her P.Eng. while working in the College of Engineering's Co-op & Career Centre. She is passionate about helping the next generation of engineers create positive change in the world.

3:00 PM – 5:00 PM Conference Floor Foyer

Boost Your Career: Discover the Array of Professional Development Resources in Your Area
Join APEGS for a networking reception featuring local professional development resources. Discover how they can help you further your career and make valuable connections within your industries.

Organizations attending:
- Association of Consulting Engineering Companies – Saskatchewan (ACEC-SK)
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE – Saskatoon & Regina)
- Institute of Electrical and Electronics Engineers (IEEE-North Saskatchewan Section)
- Moose Jaw Engineering Society (MJES)
- Notarius
- Regina Engineering Society (RES)
- Ron and Jane Graham School of Professional Development
- Saskatchewan Geological Society (SGS)
- Saskatoon Engineering Society (SES)
- Saskatoon Energy Management Task Force
- University of Regina Library
- University of Saskatchewan Library