



Proudly invites you to the Virtual Professional Development Seminar 2021

Registration: www.fmc-egm.ca (Upcoming Events)

Cost: Free

CPD: Total 2 PD Hours

Where: Zoom Meeting – Links will be provided through email

When: 10:00 AM CST on September 25, 2021

ProDev 9.0: Innovation at The Royal Canadian Mint

Introductions, Presentation and Q&A - 15 minutes

Presentation - 30 to 45 minutes



1. Overview

The Royal Canadian Mint (RCM) is one of the crown corporations, owned by the Government of Canada, responsible for the minting and distribution of Canada's circulation coins. Besides making circulation coins for Canada and other foreign countries, RCM is recognized as a leader in making numismatic and bullion gold and silver coinage. The versatility and success of RCM is based on the solid foundation of innovation, where art meets science. This presentation will aim to provide a background of the Mint and will highlight some of the recent research initiatives, led by the Applied Research team of Winnipeg.

2. Our Speaker - Krutika Vishwakarma, P.Eng, Ph.D.

Krutika has a Bachelor of Engineering from Maharaja Sayajirao University of Baroda, Master of Technology from Indian Institute of Technology, Bombay and Doctor of Philosophy from University of Manitoba. Over 10 years of experience in microstructure-property research, specializing in advanced techniques of materials characterization. Over 6 years as a Research Engineer in Applied Research, RCM Winnipeg.

ProDev 10.0: HVDC and Systems Leadership

Introductions, Presentation and Q&A - 15 minutes
Presentation - 30 to 45 minutes



1. Overview

High Voltage Direct Current (HVDC) connection is a significant element in Manitoba power system given its performance in terms of reliability, availability, and losses considerations. It is ideal for integrating remote clean and renewable energy into the power grid. This presentation will focus on the HVDC system, and associated equipment along with application of system leadership and project management concepts on how to manage complex technical systems and projects.

2. Our Speaker - Aimee Intac-Leung, P.Eng., PMP

Aimee Intac-Leung is a Professional Electrical Engineer, a Project Management Professional and is certified by the Institute of Asset Management. She completed a Master's Certificate Program in Project Management at the University of Winnipeg and will be completing the Digital Transformation Professional Program at Stanford University this year.

She is currently employed at Manitoba Hydro and is the Section Head for Converter Stations Protection & Control Maintenance Engineering and continues to lead close out activities of Bipole III Project. She leads a team of highly specialized professionals and technical officers responsible for providing maintenance and operational engineering support to ensure the safe and reliable operation of the HVDC system at all Manitoba Hydro converter stations in Northern and Southern Manitoba. She is also responsible in ensuring North Electric Reliability Corporation (NERC) compliance programs, cybersecurity standards and strategies are implemented and adhered to.

Aimee has held various roles in project management of major capital projects for Generation and HVDC Transmission stations. This involved managing and leading key contracts and portfolios from initiation, technical reviews, procurement, design, manufacturing & factory acceptance testing, installation, commissioning, contract negotiations and project close out. She is a member in international engineering groups including CIGRE and HVDC Interconnector Owners Group.