



**“Engineers Helping Engineers”**  
[egmindiachapter.ca](http://egmindiachapter.ca)

**Date:** September 12, 2023 (Tuesday)

**Time:** 6:00 – 7:00 p.m. (participants can claim 1 PD hour)

**Location:** Engineers Geoscientists Manitoba office,  
870 Pembina Highway, Winnipeg, MB R3M 2M7

**Cost:** Free

**Note:** **Takeaway packaged food will be provided**



2023-24 Professional Development Event (in-person)

## 'Engineering Practices & Design In Steel Industry'

By **Sadegh Mirzaeian Taffi – P.Eng.**

**BIO** – Sadegh is a Mechanical Engineer from University of Manitoba and has over 8 years of experience in the steel industry with a focus on process engineering, product design, CNC machinery, robotics, and leadership. He has had the opportunity to work with diverse teams on many projects and Gerdau different roles he had held at Gerdau Ameristeel. Sadegh is currently starting a new endeavor as a freelance Mechanical engineer.

### **ABSTRACT –**

**The presentation will answer the following questions:**

- What is Engineering practice and why is it important for steel industry?
- What are the main codes, standards, and guidelines that govern engineering practice and design in steel industry?
- What are the main challenges and opportunities in this field?
- The Steel process – From Design Through Erection
- The impact of Errors, Omissions and Changes on the Process of Designing and Constructing Structural Steel
- Special considerations in Structural Steel Design and Construction
- Economies of Scale

**Sponsored by:**

