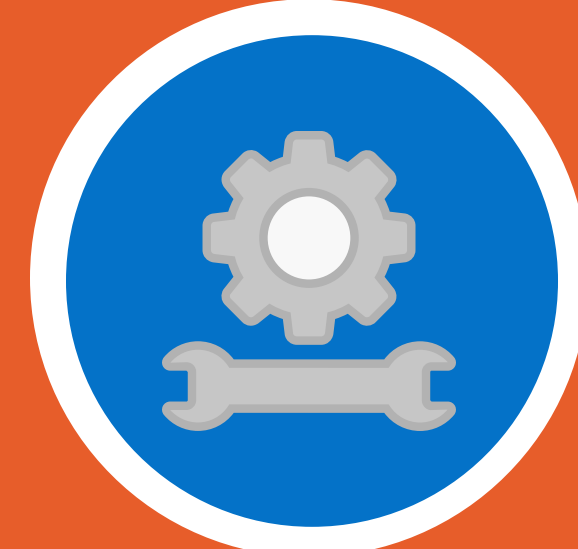
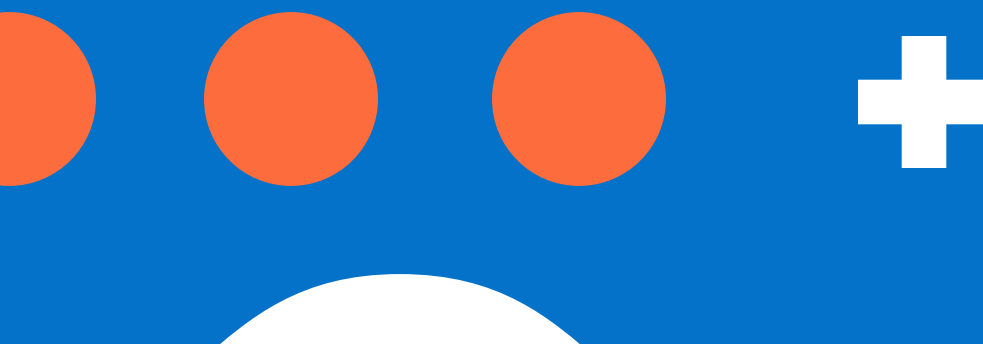


Top 10 Open and Affordable Resources



Faculties of Engineering & Applied Science and Energy Systems & Nuclear Science



Dakota

Dakota is a freely available software framework for large-scale engineering optimization and uncertainty analysis. The Dakota toolkit provides a flexible, extensible interface between analysis codes and iterative systems analysis methods. (<https://dakota.sandia.gov/>)



MITOpenCourseWare

The Massachusetts Institute of Technology (MIT) has made materials from 2400 courses available with the idea of unlocking knowledge and empowering minds. (<https://ocw.mit.edu/>)



StatsCasts

StatsCasts are narrated screen video recordings of explanations of statistical concepts. They are targeted at a first year level, in a range of subjects such as: Engineering, Sciences, Health Sciences and Business. (<https://www.youtube.com/playlist?list=PL2463637C753A9642>)



OER Commons

OER Commons is a public digital library of open educational resources. Explore, create and collaborate with educators around the world to improve curriculum. (<https://www.oercommons.org/>)



National Science Digital Library

Provides high quality online educational resources for teaching and learning, with current emphasis on the sciences, technology, engineering, and mathematics (STEM) disciplines. (<https://nsdl.oercommons.org/>)



Canadian Energy Information Portal

The Canadian Energy Information Portal brings together reliable government data on Canada's energy mix, including electricity, renewable energy and oil and gas. (<https://www.statcan.gc.ca/eng/topics-start/energy>)



Gridwatch

See the total carbon emissions and carbon intensity of Ontario's electricity grid. Drill down into the equivalent emissions in terms of cars and trees to put things in context. (<https://live.gridwatch.ca/home-page.html>)



AMSER

AMSER is a portal of educational resources and services built for use in the applied maths and sciences. (<https://amser.org/>)



PhET Interactive Simulations

PhET Interactive Simulations project at the University of Colorado Boulder creates free interactive math and science simulations. PhET sims are based on extensive education research and engage students through an intuitive, game-like environment where students learn through exploration and discovery. (<https://phet.colorado.edu/>)



The Learning Portal OER Toolkit

Provides information and tools to help teachers and library staff to understand, engage with, and sustain OER in their work and practice. (<https://tlp-lpa.ca/oer-toolkit>)