

Attend

August 2019



AUGUST 9-10

International Conference on Structural, Civil and Architectural Engineering, Montreal, QC
icscae.org

AUGUST 5-6

International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Montreal, QC
waset.org/conference/2019/08/montreal/ICAMAME

AUGUST 12-14

International Conference & Exhibition on Advanced & Nano Materials, Montreal, QC
icanm2019.iaemm.com



AUGUST 18-21

MetSoc Conference of Metallurgists, Vancouver, BC
com.metsoc.org

AUGUST 13-15

International Conference on Modeling and Simulation of Metallurgical Processes in Steelmaking, Toronto, ON
aist.org/conference-expositions/steelsim

September 2019



SEPTEMBER 16-17

Advanced Clean Energy Summit, Denver, CO
event.asme.org/ACES

SEPTEMBER 9-11

Conference on Smart Materials, Adaptive Structures and Intelligent Systems, Louisville, KY
event.asme.org/SMASIS

SEPTEMBER 16-17

Canadian Shale Water Management Exhibition and Conference, Calgary, AB
canada.shale-water-management.com

Surf



Efunda.com: Fundamentals, formulas and engineering reference tools
Engineeringtoolbox.com: Features a collection of unit conversion tools for engineers
Globalspec.com: Offers product and supplier lists for engineering projects
Eng-tips.com: An online forum for a global network of engineers
Discovere.org: For young minds exploring the possibilities of engineering

Watch



700 mph in a Tube: The Hyperloop Experience
Trying to make Elon Musk's pipe dream a reality
www.youtube.com/watch?v=7A7GsAPR3J0

Makani Energy Kite: A Smarter Wind Turbine
An improved wind turbine generates more energy, with less materials at lower costs.
www.youtube.com/watch?v=UauZ9XEra98

Ekso Bionics: Building Stronger Humans
Building robotic exoskeletons to enhance human capabilities
www.youtube.com/watch?v=kUCxAd1n9us

Read



The Ethical Engineer: Contemporary Concepts and Cases, by Robert McGinn, 2018: An exploration of the ethics of practical engineering, from technology transfer to privacy protection to whistle-blowing, by analyzing case studies and illuminating the ethical dimension of engineering practice.

Law for Professional Engineers: Canadian and Global Insights, by Donald L. Marston, P.Eng., LLB, 2019: A general reference text for engineers and candidates preparing for engineering law exams, as well as for owners, consultants, project managers and others engaged in engineering projects.

Engineering Justice: Transforming Engineering Education and Practice, by Jon A. Leydens and Juan C. Lucena, 2017: Engineering curricula as a conduit for making social justice visible in engineering, exploring the complex socio-technical interplays inherent in engineering practice and enhancing teaching and learning.

Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again, by Eric Topol, 2019: A medical doctor writes about the potential of AI to transform everything doctors do, can empower them, revolutionize patient care and make medicine better for everyone involved.