



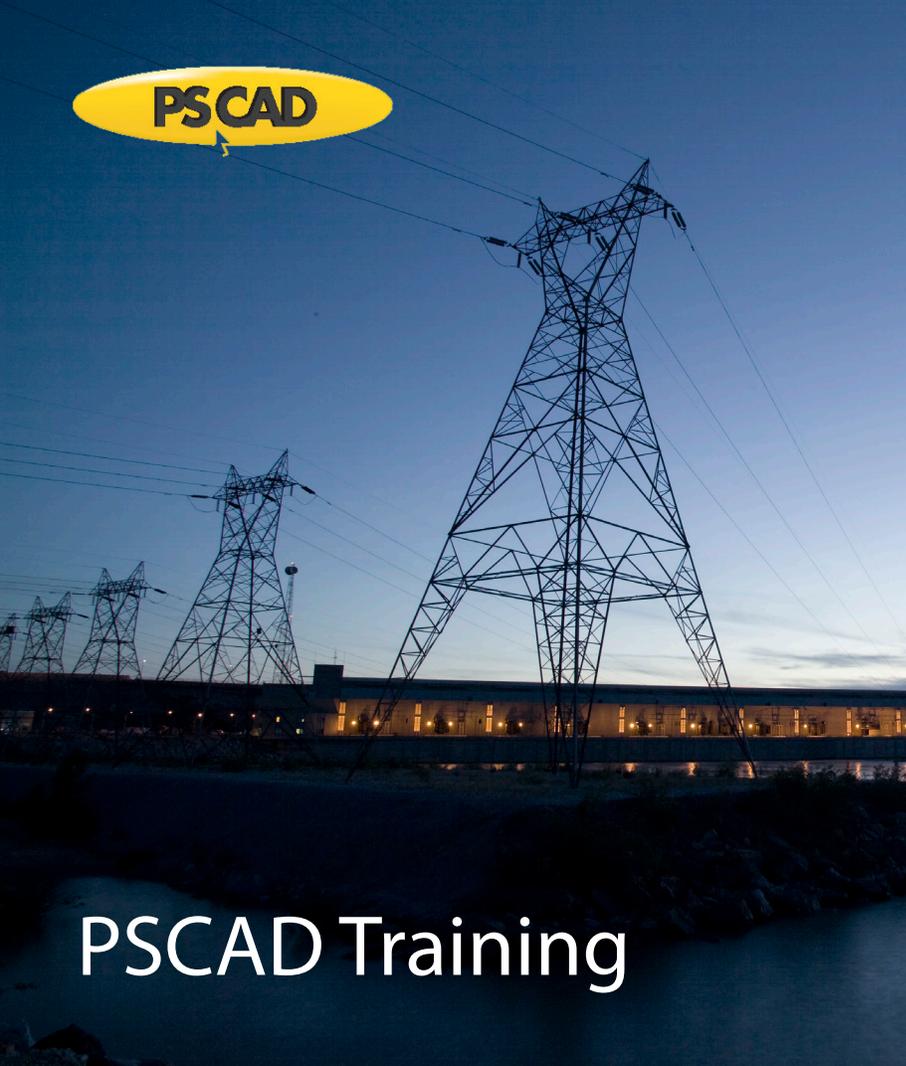
**PSCAD**

This course is intended for practicing engineers in power systems working in utilities, manufacturing, consulting, or academia who are interested in developing an in-depth understanding of the modern tools available for electromagnetic transient studies. Practical examples, based on the consultant's extensive experience, will be specifically presented to provide a practical aspect to the workshop topics.

## Join Us

Date: June 21-22, 2018  
Time: 9:00am - 3:00pm  
Location: Engineering Institute  
University City  
Autonomous National University of Mexico  
04510, Mexico City

# PSCAD Training



## PSCAD Training Course in Mexico

Manitoba Hydro International Ltd. (MHI) in collaboration with the Technological Institute of Morelia and the National Autonomous University of Mexico, invites you to register for an upcoming PSCAD Training course in Mexico City.

Registration details: There is no cost for this course; however, space is limited, so please register by June 18th by contacting Fernando Martínez at: [fdomtzc@yahoo.com](mailto:fdomtzc@yahoo.com).

MHI offers a variety of power system, PSCAD and custom training courses. These courses will assist clients in fulfilling their learning objectives, whether attendees are beginners or experts. Visit our website ([www.pscad.com](http://www.pscad.com)) for a complete course listing and for scheduled course dates.

See you there!



# Agenda

## Day 1

Thursday, June 21, 2018- 9:00am - 3:00pm

- Introduction to PSCAD/EMTDC. Software installation
- PSCAD environment and master library
- Simulation and graphing of a simple AC circuit
- First order RL and RC circuits and second order RLC circuits
- Single phase half wave non-controlled rectifier
- Single phase half wave controlled rectifier. Use of control blocks

## Day 2

Friday, June 22, 2018- 9:00am - 3:00pm

- Single phase SPWM Inverter
- Module-type component creation
- Harmonic analysis and power quantities calculation
- Use of photovoltaic source component
- Examples of PV an Wind generation systems
- Example of a Microgrid

