



## 3-DAY ETAP POWER SYSTEM ANALYSIS WORKSHOP

Attention ETAP users and prospective users. Plan to attend an ETAP workshop event in your area. Get the most of this powerful software tool by increasing your knowledge of ETAP. Sessions presented by certified ETAP instructors with extensive experience in ETAP and power systems. Past attendees have found excellent value in these workshops and have greatly improved their productivity.

Location	Dates and Duration	Topics
Toronto, ON	Sept 15-17, 2010 - 3 day	<b>- ETAP 3-Day Training Course #113 -</b> Participants are provided with a PC installed with ETAP to undertake hands-on ETAP training

**Location:**

ctc TrainCanada  
 595 Bay Street (3rd floor)  
 Toronto, ON, M5G 2C2

**Room:**

Third Floor

**Emergency Contact:**

Facility: 416-214-1090  
 Darcy Braun – Cell - 780-554-4657

### ETAP 3-DAY WORKSHOP AGENDA Includes Refreshments and Lunch

<b>Workshop Day</b>	<b>Morning Session</b> 8:30 A.M. - Noon	<b>Afternoon Session</b> 1:00 P.M. – 4:30 P.M.
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<b>Day 1</b>	<ul style="list-style-type: none"> <li>➤ General Overview</li> <li>➤ One-Line Diagram</li> </ul>	<ul style="list-style-type: none"> <li>➤ Library Systems</li> <li>➤ Load Flow</li> </ul>
<b>Day 2</b>	<ul style="list-style-type: none"> <li>➤ Load Flow</li> <li>➤ Cable Systems Review</li> <li>➤ Motor Acceleration Review</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short-Circuit</li> <li>➤ Device Coordination</li> </ul>
<b>Day 3</b>	<ul style="list-style-type: none"> <li>➤ Device Coordination</li> <li>➤ Sequence of Operation</li> <li>➤ Arc Flash</li> </ul>	<ul style="list-style-type: none"> <li>➤ Transformer Sizing</li> <li>➤ Ground Grid Systems</li> </ul>

Other topics such as Cable Pulling, Harmonic Analysis, Parameter Estimation, Cable Pulling, Transient Stability, Generator Start-Up, Optimal Power Flow, Reliability Assessment, Unbalanced Power Flow, DC Load Flow, DC Short Circuit, Battery Sizing & Discharge, Control System Diagrams, Wind Turbine Analysis, etc. are available via onsite training courses or attendance to advanced sessions.



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**Nearby Hotel:**

**Delta Chelsea (two short blocks away)**  
33 Gerrard Street West  
Toronto, ON, M5G 1Z4  
Phone: 416-595-1975, Toll Free: 800-243-5732  
Pacific Western Airport Shuttle Service Available  
In-room Internet Access – \$12/day  
“**CTC TrainCanada**” Room Rates - \$144 Standard / \$169 Deluxe

**Parking:**

Parking is 1 block North of Dundas on the south side.  
The cost is \$11/day before 9AM; \$14/day after.  
Lot takes cash, VISA or MasterCard (NO DEBIT).