



## 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
Calgary, AB	May 5-7, 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  
 Suite 600 – 900 6th Ave. SW  
 Calgary, AB, T2P 3K2

**Room:**

Suite 600

**Emergency Contact:**

Facilities: (403) 216-8464  
 ETAP: 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 Hotels:**

**Sandman Hotel (Across the Street from CTC)**

888 -7TH Ave SW  
Calgary, AB, T2P 3J3  
Tel: (403) 237-8626  
Toll Free: 1 (800) 726-3626  
Airport Shuttle \$15.00 1/way  
Complimentary In-room Internet Access  
Underground Parking Available

**Holiday Inn Express Hotel (5 minutes walk)**

1020 8th Ave SW  
Calgary, AB, T2P 1J2  
Tel: (403) 269-8262  
Toll Free: 1 (800) 695-8284  
Complimentary In-room Internet Access  
Underground Parking Available

**5 Calgary Downtown Suites Hotel (7 minutes walk)**

618- 5th Ave SW  
Calgary, AB, T2P 0M7  
Tel: (403) 451-5551  
Toll Free: 1 (888) 561-7666  
Complimentary In-room Internet Access  
Underground Parking Available

