

# THE FORGE

Rising energy rates and climate concerns make, managing energy wisely more important than ever. Behind closed electrical room doors, there exist substantial opportunities to reduce electricity waste and improve power quality.

## Explore state-of-the-art, energy optimizing technologies for electrical distribution systems.

Find out how you can help your clients save energy through more efficient power distribution and effective energy management.

### REGISTRATION

**Date** Tuesday, Sept 22, 2010

**Location**

Powersmiths International  
10 Devon Road, Brampton, ON L6T 5B5

**Agenda**

8:30 – 4:00pm Seminar

12:00 – 1:00pm Light Lunch

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Phone #: \_\_\_\_\_

Email: \_\_\_\_\_

**Tuition Seminar & Lunch**— Complimentary

**Continuing Education**

On request, participants will receive a certificate of attendance which may qualify for continuing education units.

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For more information contact Iman Wassef at  
T: 1-800-747-9627 iman@powersmiths.com

## AGENDA

- Energy efficiency as economical “green” power
- The impact of transformers on energy consumption and power quality
- Transformers and EPACT 2005
- Contribution of transformers to high performance, LEED and green purchasing policies
- Energy Savings and Payback Calculator
- Energy monitoring, protection and control for high performance buildings
- Using buildings as teaching tools for sustainability

**After the seminar attendees will understand:**

- US DOE energy efficiency ratings and their impact on consumption and life cycle cost
- The relationship between electrical loading and electrical distribution system efficiency
- The impact of linear and nonlinear loading on energy efficiency and power quality
- The role of monitoring in enhancing electrical distribution performance
- How lowest first cost can embed higher operational costs for decades

**INSTRUCTOR – Philip Ling, P. Eng. LEED AP**

Vice President of Technology, Powersmiths International

Philip is a licensed professional engineer and LEED accredited professional who is active in the fields of power quality and transformer efficiency. Over the past fifteen years, he has given seminars, presented at technical conferences and published over two dozen papers. Philip sits on the advisory council for the Association for the Advancement of Sustainability in Higher Education and holds a national award for technological leadership in energy efficiency from Natural Resources Canada.