Dear customers,

The current economic conditions are putting tremendous cost pressures on companies and maintenance professionals. With manpower and capacity reduced to an absolute minimum, it will be more difficult to recover from an unscheduled down time. With the widespread of more critical equipment and processes across the entire plants, maintenance professionals need rugged and easy to use portable test tools to help them discover symptoms that can reveal improper installation and operation of their electrical distribution systems, mechanical & rotating equipment, and processes.

This is also the time to explore opportunities in improving energy utilization throughout the operation. Eliminating unnecessary energy wastage will help the company’s bottom line. Since building and HVAC system constitute the biggest consumption of energy, test tools are needed to tune the HVAC system to achieve an optimum balance between energy efficiency and comforts of the occupants. In addition, building defects in the form of insulation and water damages, moisture & mold infestation can cause a fortune to repair if they are not discovered and rectified at an early stage.

**Seminar Overview**

- Introduction to Proactive Maintenance Applications
- “How to” monitoring and troubleshooting techniques
- Guideline on acceptable limits for electrical, power quality, thermal and indoor air quality parameters
- Real world applications and examples
- How to select the right tool for the applications

The first part of the seminar will focus on infrared thermography and test tools, which enable every critical equipment and facilities to be inspected without affecting the operations. This approach ensures early detection of any impending failures so that there are sufficient warning and adequate time for the maintenance team to react.

The second part of the seminar covers energy management program which aims at continuous improvement in energy efficiency and costs. We shall share with you maintenance best practices and equipment checklist which have resulted in double digit saving of electricity usage. The systematic approach and proper measurement procedures ensure the saving does not compromise the comfort of building occupants and long-term equipment reliability.

**Who Should Attend?**

- Utility’s service and maintenance team
- Facilities and plant maintenance professionals
- Field service professionals of equipment manufacturers
- Commercial electrical contractors
- Company trainers, and professional educators
Bio-Data of the speaker

**Mr Ron Newport**
Ron has been a practicing thermographer with over 30 years experience spanning all sectors from electrical and mechanical thermography, building thermography, process and manufacturing applications, environmental applications, fire scanning, medical to NDT on ships and aircraft. Ron's second love is as an infrared instructor, educator and course developer who provides enthusiastic instruction from the beginning to the very end of a course. With over 29 years as an international infrared instructor his training methods are well received by his students. Ron is also a trainer of infrared instructors, many of the experienced, high-quality trainers today have been through his program.

Ron is the Director of the Institute of Infrared Thermography. He was the first trainer to deliver a Level I thermography course in Canada, and the first trainer to deliver Level II thermography course in the world. A Level III Thermographer himself, Ron has published numerous technical papers and articles on infrared thermography applications and he has co-written many standards.

**Mr. Joseph Ong**
Joseph has a degree of Master in Information Technology from University of Newcastle and a Level 1 in Infrared Thermography.

He is currently the Senior Product Consultant in Fluke South East Asia Pte Ltd. He has more than 13 years of experience in pre-sales and post-sales application supports on electrical and electronic testing instruments. He is very experienced trainer in thermography, power quality analyzers and calibration equipment, and has been conducting regular product training and seminars both in Singapore and the regional countries.

This seminar will provide you with an overview of possible cause & effects of improper equipment operation and building defects, and provide direction for establishing an effective monitoring and troubleshooting program using the right tools.

Seats are limited. Please register early to avoid disappointment.

Thank you.

Best regards,

*Sophia Wan*
Regional Sales Manager
Registration Form
Fluke Maintenance Best Practices Seminar

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<thead>
<tr>
<th>Country</th>
<th>Date</th>
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<tbody>
<tr>
<td>Singapore</td>
<td>15 May 2009</td>
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<td>Philippines</td>
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For Malaysia, it is a half day seminar and would cover the 1st part of the seminar topic.

Registration: Registration starts at 8:30 am
Time: 9.00 am – 5:30 pm
Course Fee: The course fee of $199 includes course documentation, lunch and 2 refreshment tea-break. For the Malaysia half day seminar, the course fee is $99 and includes course documentation, and 1 tea-break.

All above mentioned course fee is waived for FlukePlus member**.

**To enjoy this discount, please simply sign up as a FlukePlus member at [http://sg.fluke.com/flukeplus026](http://sg.fluke.com/flukeplus026).

For more information on this seminar, please feel free to contact us. Thank you.

Yes, I / we will be attending the Proactive Maintenance Seminar.

[ ]* Participant Name ________________________ Designation ________________________
Email ________________________ Direct Tel ________________________

[ ]* Participant Name ________________________ Designation ________________________
Email ________________________ Direct Tel ________________________

** Contact Person ________________________ Designation ________________________
Company ________________________
Address ________________________________________________________________
Tel ________________________ Fax ________________________ Email ________________________

Complete coupon and fax to (65) 6799-5577. Seats are allocated on a first-come-first-serve basis.

* Please check the box if you are a FlukePlus Member
** Please complete if contact person is different from participant’s name(s).
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