ISO 55001 specifies the requirements for processes that must be in place so as to optimize the management of an organization’s physical assets. It prescribes what has to be done, not how to do it. This workshop is designed to help managers and maintenance practitioners manage their physical equipment assets more effectively in meeting the enterprise’s prevailing business imperatives. It will focus on the leading-edge techniques of optimization – the single most important thrust of this learning program.

Our Approach

Participants will ...

- Learn how to categorize failure codes into reliability, maintainability and availability problems
- Learn how to analyze component failure data correctly
- Know how to make informed decisions on the choice between run-to-failure and preventive replacement of a component
- Apply field-tested analytical tools to make optimal component replacement decisions
- Learn how to forecast parts requirements
- Determine the optimal frequency and depth required for inspection and monitoring
- Learn how to optimize condition-based maintenance (CBM) decisions

Workshop Agenda

<table>
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<tr>
<th>Day 1</th>
<th>Introduction</th>
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<td>Characterizing uncertainty of component lives</td>
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<th>Day 2</th>
<th>Advanced topics of Weibull analysis</th>
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<td>Component replacement policies</td>
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<th>Day 3</th>
<th>Component replacement policies (continued)</th>
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<td>Improving reliability through inspection</td>
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<td>Condition-based maintenance (CBM)</td>
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<td>Review and discussion</td>
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User-friendly software programs featured in this workshop, including WeibullSoft (an application that supports self learning of Weibull analysis) and OREST (an application for Optimal Replacement of Equipment in the Short Term), as well as e-learning materials that cover selected topics in the workshop will also be demonstrated.

To ensure that the participants, after completion of the workshop, will continue to apply the course-learning to their workplace problems, each attendee will receive:

- A copy of WeibullSoft, an educational version of OREST
- A full set of the e-learning materials
For Enquiries & Registration

Please contact Mr. Anson Wong
Tel: 2202 9395
Email: anson.wong@hkqaa.org

Please make cheque payable to “Hong Kong Quality Assurance Agency” and send it together with this form to: Hong Kong Quality Assurance Agency, 19/F., K. Wah Centre, 191 Java Road, North Point, Hong Kong

Date: 29, 16 April 2015
Time: 9:00am – 6:00pm
Fee: HKD 7,500
Venue: 19/F., K. Wah Centre, 191 Java Road, North Point, Hong Kong
Language: Cantonese

*HKQAA reserves the right to cancel the course, change the trainer, contents, date, time and / or venue as necessary.

Who Should Attend?

This workshop is specially designed for engineers, managers of plant operations, facility managers, or maintenance professionals with responsibility for maintaining and managing physical equipment assets under their care. They may represent large facilities and plants from industries such as utilities, transportation, logistics, construction, manufacturing, & facilities management.

**Participants need to have an undergraduate degree or relevant work-related experience in maintenance or operations management.

Dr. Albert Tsang is a long serving faculty member of the Department of Industrial and Systems Engineering at The Hong Kong Polytechnic University. He had a PhD from the University of Toronto. He is a registered engineer with extensive work experience in the manufacturing industry, covering functions such as industrial engineering, quality assurance, and project management.

He is the Country Counselor of American Society for Quality (ASQ) in Hong Kong, a former Chairman, founding member, and Fellow of Hong Kong Society for Quality (HKSQ).

Dr. Tsang is a coauthor of the best-selling book: Maintenance, Replacement, and Reliability: Theory and Applications, the 2nd edition of which was published in June 2013. He is also the author of “WeibullSoft”, a computer-aided self learning package on Weibull analysis.

Speaker

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