ADVANCE RELIABILITY ENGINEERING & MANAGEMENT WORKSHOP
- Organized by MIMOS and Horizon 3 Sdn Bhd
Date: September 19 to 22, 2016

TRAINER'S PROFILE

Name:
Dr Mohd Foad Abdul Hamid

Education:
#State University of New York at Buffalo, USA (PhD and MS, Computational Solid Mechanics)
#The University of Arizona, USA (MS, Probabilistic Mechanical Design and Reliability Engineering)
#University of Arizona, USA (BS, Mechanical Engineering)

Certifications:

#Chartered Engineer (CEng), Engineering Council, United Kingdom
#Chartered Marine Engineer (CMarEng), Institute of Marine, Engineering, Science and Technology, United Kingdom
#Member, Institute of Marine, Engineering, Science and Technology, United Kingdom

Professional Experience:

#Quality Assurance Engineer, Robert Robert Bosch (M) Sdn. Bhd.
#Technical Head and Head of Mechanical Integrity Department, Asset Integrity Division, Bureau Veritas (South East Asia) Technical Center.
#Senior Lecturer, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia.

Any inquiries?
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What is the Certified Reliability Engineer's (CRE) Expectations?

Reliability Engineering & Management – Have basic knowledge & skills to understand reliability program requirements, planning, definitions, training, & organizational resources & able to achieve those requirements within the constraints of life-cycle issues & cost.

The course's objectives and information are as follow:

Objectives

1. Understanding the fundamental and mathematics of Reliability Engineering and Management
2. Understanding all the reliability techniques such as Weibull and Life Data Analysis, Failure Mode Effect Analysis (FMEA), Fault Tree Analysis (FTA), Reliability Block Diagram (RBD), Failure Reporting and Corrective Action System (FRACAS), HALT and others used throughout the product's life cycle.
3. Ability to understand the reliability engineering and management for product life cycle management (from cradle to grave) looking at work flow and process according to the BoK.
4. Theoretical and practical of 70%/30% respectively

Preparations for CRE

1. The course provides a platform for the participants to prepare for the incoming Certified Reliability Engineer certification and exam on Oct 2016 or March 2017. (http://cert.asq.org/certification/control/dates)
2. The participants will have the chance to be lead and guided by the facilitator (if they choose to take the certification) through e-mails, web-minar and other types of remote support.
3. To provide the networking and study group for the participants to prepare themselves for the exam.
4. For those who attends for the CRE, the organizer will allocate one-day course (at no charge), one or two weeks before the exam,

Note: If you wish to register for the CRE, you will be assisted during registration.

Who should attend?

Reliability, Quality, Safety, System, Logistic, Test, Asset, Integrity, Maintenance-Engineers and Managers

Minimum Requirements

1. Related fields of work
2. Degree holder with Mathematical knowledge

Date: 19-22 September 2016 (Mon-Thurs)
Time: 9.00am – 5.00 pm
Venue: MIMOS, Technology Park Malaysia, Kuala Lumpur
Fees: RM 4,000 per person (**5% discount for >3 people**)

Lunch & refreshments will be provided
One hour lunch break & two 15-minute tea break

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The topics covered in the Advance Reliability Engineering & Management Workshop follows strictly and rigorously as per the Body of Knowledge, which include additional detail in the form of subtext explanations and the cognitive level at which the questions will be written. This knowledge will provide useful guidance for the professionals in their works and for potential candidates preparing to take the exam. The subtext is not intended to limit the subject matter or be all- inclusive of what might be covered in an exam. It is meant to clarify the type of content to be included in the exam. The descriptor in parentheses at the end of each entry refers to the maximum cognitive level at which the topic will be tested. A more complete description of cognitive levels is provided as per the BoK.

The workshop agenda will follow the topics as follow:

The 7 pillars of Reliability Engineering & Management as per BoK:

1). Probability and Statistics for Reliability
- A. Basic Concepts
- B. Statistical Inference

2). Reliability in Design and Development
- A. Reliability Design Technique
- B. Parts and System Management

3). Reliability Modeling and Predictions
- A. Reliability Modeling
- B. Reliability Predictions

4). Data Collection and Use
- A. Data Collection
- B. Data Use
- C. Data and Failure Analysis Tools

5). Reliability Management
- A. Strategic Management
- B. Reliability Program Management
- C. Product Safety and Liability

6). Maintainability and Availability
- A. Management Strategies
- B. Analyses

7). Reliability Testing
- A. Reliability Test Planning
- B. Development Testing
- C. Product Testing

Please complete the enrolment form below and send to us by fax or mail	
Tel:	+603-7770 8130
Fax:	+603-7770 8130
Mail:	**Horizon 3 Sdn Bhd** No 2, Perindustrian Suntrack, Hub Perindustrian Suntrack, Off Jalan P1A, Seksyen 13, Bandar Baru Bangi. 43000 Kajang, Selangor
Contact Person:	**Mohd Nazly Mohd Kassim** Reliability Engineer +6019-9880192 nazly@horizon3.my
Bank Information:	**Maybank Berhad/MBB** Account #: 514758309640

Registration

Company Name: _____

Contact Person: _____

Phone: _____ Fax: _____

Name	Position	H/P Number
1.		
2.		
3.		
4.		