Organizer: American Society of Mechanical Engineers (Hong Kong Section)

ASME Gas Turbine Course

3-4 November 2016

Course Outline

This two (2) day course focuses on the principles and applications, performance of gas turbines with coverage on the following topics:-

- Gas Turbine Performance and Process Thermodynamics
- Gas Turbine Cycles
- Component and accessory design fundamentals
- Characteristics, advantages and problems of specific applications: aircraft, power generation etc.
- Materials: Alloys and ceramics
- Combustion and Emissions
- Alternate Fuels
- Reliability and maintenance
- Gas Turbine future potential and developments

Who Should Attend

Gas turbine newcomers and more experienced persons who desire an overview of the many available gas turbine technologies. Instruction in analysis and performance prediction methods assumes an engineering degree background. Practical design, operating and maintenance considerations are reviewed for the engineer operator and manager.

Course Instructor

John Blanton, Ph.D., has 35 years of engineering design and analysis experience in industrial and aircraft engines with GE Research, GE Aviation, and GE Power & Water. His work has included leadership of industrial gas turbine alternative fuels research programs, industrial gas turbine compressor design, SCRAMjet propulsion system studies, and for the past 25 years has focused on gas turbine heat transfer and thermal management. Dr Blanton has also been an adjunct faculty member at Union College in Schenectady NY and at the University of Cincinnati. He is a Fellow of both ASME and AIAA.

Supporting Organizations:

Course Registration Form

PERSONAL INFORMATION

First Name: _____

Last Name: _____

Company/Organization: _____

ASME Membership ID (if applicable): _____

Contact Number: _____

Address: _____

E-mail Address: _____

COURSE INFORMATION

Course:	ASME Gas Turbine Course
Organizer:	American Society of Mechanical Engineers (Hong Kong Section)
Instructor:	Dr John Blanton
Date:	3-4 November 2016
Time:	0900 hours – 1700 hours
Venue:	Black Point Power Station, Tuen Mun, New Territories, Hong Kong
Cost:	HK$4,850 per person (reduced to HK$4,550 for ASME members) Inclusive of a hard copy training summary pack, transportation, light refreshments during breaks, and lunches throughout the 2-day course

REGISTRATION & PAYMENT DETAILS

The cheque should be payable to "The Hong Kong Section of ASME International", and send to Ir Dr Randolph Leung with this course registration form by the address below.

The Hong Kong Section of ASME International
c/o Ir Dr Randolph Leung
Department of Mechanical Engineering
The Hong Kong Polytechnic University
11 Yuk Choi Road, Kowloon, Hong Kong

A copy of the signed course registration form should be sent by email at industrial@asmehk.org or by fax to 2365-4703 for enrollment before sending the cheque.

INQUIRIES

In case of inquiry, please write to industrial@asmehk.org.

Signature:_____ **Date:**_____

Enrollment is on first-come-first-served basis with priority given to ASME members. Interested parties please submit the registration form by 25 October 2016. Certificate of Attendance will be issued at the end of the course.