**Course Outline**

This two (2) day course focuses on the principles of design, construction, testing and commissioning of natural gas pipelines with coverage on the following topics:-

* Load categories
* Piping stress analysis
* Pressure design
* Fittings and components
* Materials
* Welding
* Construction
* Reparation
* Corrosion control
* Comparison between B31.8 and DNVGL-ST-F101 “Submarine Piping System”

**Who Should Attend**

Engineers who wish to gain a basic yet comprehensive understanding on the B31.8 code necessary for the effective management of natural gas pipeline projects in design, construction, testing and commissioning.

**Course Instructor**

Michael J. Rosenfeld, P.E., is Chief Engineer with Kiefner/Applus-RTD in Columbus, Ohio., the U.S. He holds a BS in mechanical engineering from the University of Michigan (1979) and a MS in mechanical engineering from Carnegie-Mellon University (1981).

The focus of Mr. Rosenfeld’s career has been on oil and gas pipeline integrity since joining Kiefner & Associates, Inc. (KAI) as Senior Structural Engineer in 1991. He then served as President from 2001 to 2011. While at KAI, he performed numerous pipeline failure investigations, stress analyses of buried pipelines subjected to geotechnical and live loadings, fitness for service evaluations for pipelines affected by various degraded conditions, developed technical procedures for integrity management planning, and carried out industry-funded research on pipeline damage mechanisms.

Mr. Rosenfeld is a current member of the ASME B31.8 Gas Transmission & Distribution Piping Section Committee, the ASME B31 Mechanical Design Technical Committee, the ASME B31 Standards Committee, and the ASME Board of Pressure Technology Codes & Standards. He was the primary author of the 2009 major revision to ASME B31G, is an ASME Fellow, and has authored a number of papers and articles on pipeline-related subjects

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| **PERSONAL INFORMATION** | | | | | | | | |
| First Name: | |  | | | | | |
| Last Name: | |  | | | | | |
| Company/Organization: | | | | | |  | |
| ASME Membership ID (if applicable): | | | | | | |  |
| Contact Number: | | | | |  | | |
| Address: |  | | | | | | |
| E-mail Address: | | | |  | | | |
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| **COURSE INFORMATION** | | | | | | | | |
| Course: | | | ASME B31.8 Course | | | | | |
| Organizer: | | | American Society of Mechanical Engineers (Hong Kong Section) | | | | | |
| Instructor: | | | Michael J. Rosenfeld | | | | | |
| Date: | | | 1-2 April, 2019 | | | | | |
| Time: | | | 09:00 to 17:00 | | | | | |
| Venue: | | | 11/F Training Centre, Hongkong Electric Centre, 44 Kennedy Road, Hong Kong | | | | | |
| Cost: | | | HK$6,600 per person (reduced to HK$6,100 for ASME or supporting organization members)  Inclusive of a hard copy training summary pack, 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 e-mail at industrial@asmehk.org or by fax to 2365-4703 for enrollment before sending the cheque.

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| **INQUIRIES** |

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

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| **Signature:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

Enrollment is on first-come-first-served basis with priority given to ASME members. Interested parties please submit the registration form by 22 March 2019. Certificate of Attendance will be issued at the end of the course.