

PIPE AND TUBE

A PRACTICAL TRAINING SEMINAR



28 SEP-1 OCT 2015
INDEPENDENCE, OHIO, USA
THE HOLIDAY INN CLEVELAND SOUTH-INDEPENDENCE

ABOUT THE PROGRAM

This seminar will provide attendees with a broad understanding of the role of pipe and tube in the growing energy markets. The presenters will begin with basic discussions on the various manufacturing methods for producing pipe and tube as well as how steelmaking chemistry is responding to the challenges and opportunities presented by deep water and horizontal drilling. Presentations will include safety, non-destructive testing, electric resistance welding, pipeline identification, heat treating and coating systems. Attendees will also learn about advances in drilling and fracking processes that are changing the game for the industry.

SCHEDULE OF EVENTS

MONDAY, 28 SEPTEMBER 2015

4-6 p.m.
Registration

TUESDAY, 29 SEPTEMBER 2015

7 a.m.
Registration and Continental Breakfast

8 a.m.
INTRODUCTION

8:05 a.m.
KEYNOTE SPEAKER
RAYMOND FRYAN, TIMKENSTEEL CORP.

MORE INFORMATION AT
AIST.ORG/TECHNOLOGYTRAINING

8:45 a.m.

Break

9 a.m.

STEELMAKING OPERATIONS FOR PIPE AND TUBE

RAYMOND MILLER, TMK IPSCO KOPPEL TUBULARS CORP.

10:25 a.m.

Break

10:40 a.m.

HOT ROLLING – THERMOMECHANICAL PROCESSING OF STEEL FOR CONVERSION INTO PIPE AND TUBULAR PRODUCTS

STEVEN JANSTO, CBMM NORTH AMERICA INC.

Noon

Lunch

1 p.m.

ERW PIPE MANUFACTURING PROCESS

1:50 p.m.

Break

2 p.m.

PRODUCTION METHODS FOR SEAMLESS TUBES AND PIPES FOR THE ENERGY MARKET

ALBERT KLIMAS, SMS MEER GMBH

An overview of the various methods used to produce seamless tubes and pipes for the energy market. Advantages and disadvantages of each method will be explained.

2:50 p.m.

Break

3 p.m.

THE U&O MANUFACTURING PROCESS, HYDROTESTING AND COLLAPSE

3:50 p.m.

Break

4 p.m.

BAR CODE IDENTIFICATION OF PIPES AND TUBES

DAVID ANDERSON, INFOSIGHT CORP.

Stencil bar code technology to apply and read large robust barcodes on the tube outer diameter has been implemented at several U.S. pipe mills. Steps to perform preliminary evaluation of the technology are presented: preliminary testing, on-site proof-of-concept demonstration and final implementation. Bar code reading technologies are discussed. Automatic tube identification and tracking benefits are discussed and summarized.

5:30 p.m.

AIST NORTHEASTERN OHIO MEMBER CHAPTER RECEPTION

6:30 p.m.

DINNER WITH KEYNOTE SPEAKER

CAROLEE VANICEK, DIRECTOR – TUBE MANUFACTURING, TIMKEN STEEL CORP.

WEDNESDAY, 30 SEPTEMBER 2015

7 a.m.

Continental Breakfast

8 a.m.

INTRODUCTIONS

8:05 a.m.

PIPE AND TUBE SAFETY

JACKIE WORKMAN, DANIELI CORP.

8:45 a.m.

Break

9 a.m.

ERW 101: HIGH-FREQUENCY WELDING FUNDAMENTALS

LESLEY FRAME, THERMATOOL CORP.

ERW welding fundamentals and process parameters that can affect weld quality will be discussed, along with methods for process control and accommodating different steel chemistries.

10 a.m.

Break

10:15 a.m.

LINE PIPE COATING SYSTEM

BILL SANTE AND MEGHAN HODGE, AXALTA COATING SYSTEMS

MORE INFORMATION AT
AIST.ORG/TECHNOLOGYTRAINING

10:50 a.m.

Break

11:15 a.m.

ULTRASONIC INSPECTION OF TUBES AND PIPES WITHOUT LIQUID COUPLANT

BORJA LOPEZ, INNERSPEC TECHNOLOGIES INC.

The presentation will cover the latest technology and applications using non-contact (EMAT) and dry-coupled (DCUT) techniques for ultrasonic inspection of tube and pipe. In addition to an overview of the technology and its progress over the years, a list will be presented of applications designed and built by Innerspec that have already been installed and are fully operational in factory and field environments.

Noon

Lunch

1 p.m.

NDT – ELECTROMAGNETIC INSPECTION SYSTEMS

HILTON PREJEAN, NOV TUBOSCOPE

Electromagnetic inspection (EMI) is performed to detect rejected areas of the tube body during the manufacturing process. It's an efficient and economical quality tool placed in-line for full inspection of ferrous materials. EMI allows for very fast material processing while maintaining high accuracy of defect profiling.

1:50 p.m.

Break

2 p.m.

CATHODIC PROTECTION FOR OIL AND GAS PIPING SYSTEMS

JIM LARY, CORRPRO COMPANIES INC.

Corrosion is a process that attacks buried piping systems, often resulting in environmentally damaging leaks and increased safety demands, not to mention higher maintenance and operating costs. The goal of this presentation is to identify and explain the corrosion process and cathodic protection applications for piping systems. Causes of corrosion will be reviewed along with preventive methods through the use of galvanic and impressed current cathodic protection systems.

2:50 p.m.

Break

3 p.m.

WELL DRILLING – PLANNING AND OPERATIONS

3:50 p.m.

Break

4 p.m.

METALLURGY OF HEAT-TREATED TUBING AND CASING

LESLEY FRAME, THERMATOOL CORP.

This presentation will cover full-body heating and seam annealing requirements for oil country tubular goods (OCTG) (line pipe and tubing and casing for down-hole operations), including metallurgical phase transformations, development of heating recipes and aspects of process control.

5 p.m.

Adjourn

THURSDAY, 1 OCTOBER 2015

7 a.m.

Continental Breakfast

8 a.m.

INTRODUCTIONS

8:05 a.m.

PIPELINE CONSTRUCTION – DESIGN TO TURNKEY OPERATIONS

8:50 a.m.

Break

9 a.m.

PROTECTING LINE PIPE DURING TRANSPORTATION AND STORAGE

9:50 a.m.

Break

10 a.m.

DIMENSIONAL MEASUREMENT SYSTEMS – STATE OF THE ART

TOM CAMPBELL, LAP LASER LLC

A review of the advancements in laser measurement technology and the benefits provided to the tube and pipe industry production methods.

MORE INFORMATION AT
AIST.ORG/TECHNOLOGYTRAINING

10:30 a.m.

DIRECTIONAL BORING – GOING UNDER 101

11 a.m.

**RESPONSIBLE RESOURCE DEVELOPMENT THROUGH
HYDRAULIC FRACTURING**

Noon

Lunch

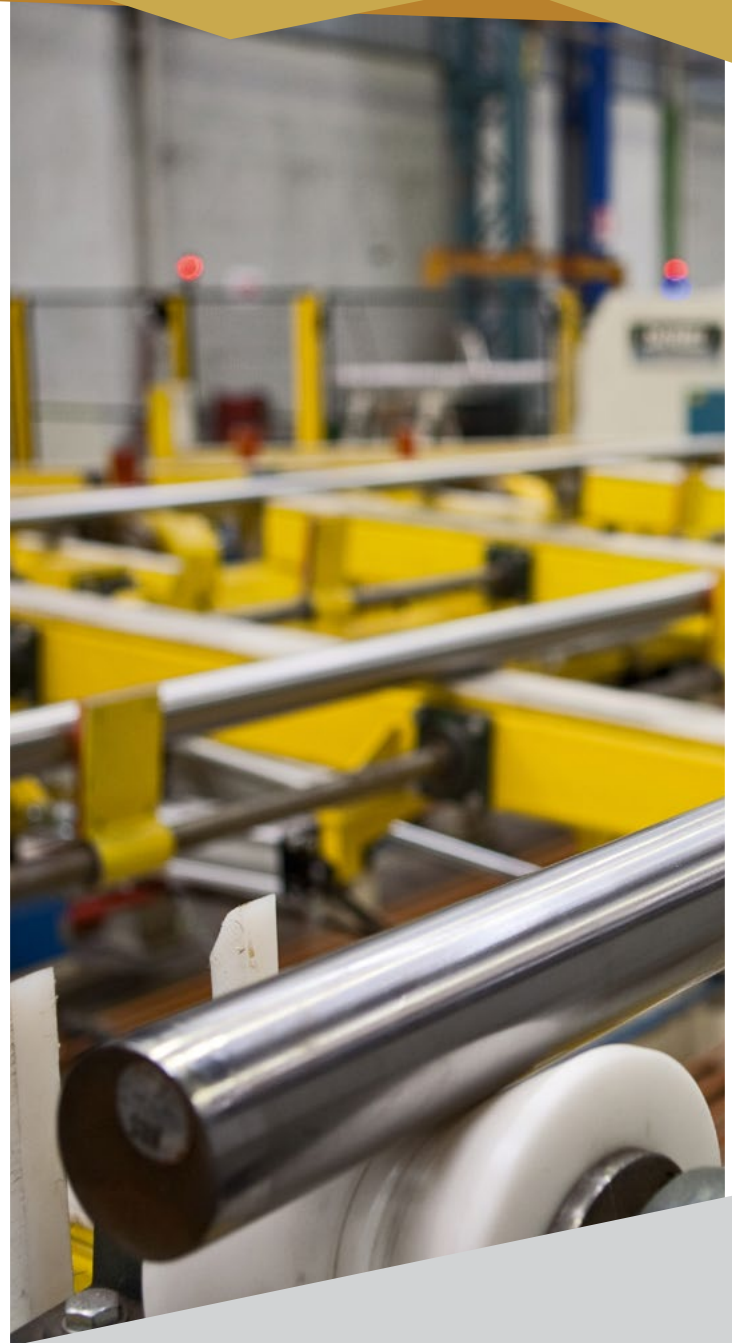
1 p.m.

**PLANT TOUR OF TIMKENSTEEL CORP. –
GAMBRINUS STEEL PLANT**



5 p.m.

Return From Plant Tour and Adjourn



REGISTRATION FEES

Advance registration by 17 August 2015: Member US\$795, Non-member US\$1,010. Registration fee after 17 August 2015: Member US\$895, Non-member US\$1,110. Registration fee includes continental breakfast, lunch, and continuous breaks Tuesday and Wednesday, reception Tuesday, continental breakfast Thursday, plant tour, and a course workbook or flash drive including presentations.

MORE INFORMATION AT
AIST.ORG/TECHNOLOGYTRAINING

REGISTER NOW