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SAN ANTONIO, TEXAS



American
Petroleum
Institute

Call for Presentations

The 2026 Summit will explore the theme **Maintaining Asset Integrity in the Evolving Energy Industry**, focusing on how companies are adapting to changing energy landscapes while ensuring the safety, reliability, and performance of critical assets. We welcome abstracts that reflect innovation, address emerging challenges, and highlight evolving practices aligned with this theme.

CORE TRACKS

Inspection/NDE/Monitoring

- Inspector roles and responsibilities
- Inspection careers, training, and certification
- Inspection – programs and practices
- Vendor surveillance and shop inspection
- New construction QA/QC and acceptance criteria
- Inspection methods as applied to: pressure vessels, piping, PRVs, storage tanks, heaters, cooling towers, process hoses, offshore topsides equipment, subsea systems, onshore and subsea pipelines, terminals, and onshore and offshore structures
- Nondestructive Examination (NDE) – techniques and applications
- Integrity monitoring methods
- Inspection Data Management Systems (IDMS)
- Utilizing digital models to increase accuracy and productivity
- Application of mobile technology for inspection
- Experience with NDE performance demonstration programs
- Advances in tubular inspection techniques
- Improvements in buried piping inspection

Metallurgy/Corrosion

- Coatings/Linings materials, practices, and application
- Cathodic Protection
- Welding/Joining practices
- Failure analysis
- Corrosion control/mitigation
- Chemical treatment programs
- Damage mechanism information
- Materials of construction
- Corrosion monitoring methods
- Case studies of failures
- Integrity Operating Windows (IOWs)
- Corrosion Control Documents (CCDs)
- QA/QC for coatings/linings

Engineering & Asset Integrity Management

- Risk analysis including RBI programs, Implementation and sustainability
- Engineering evaluations and Fitness-for-Service (FFS) assessments
- Asset integrity management
- Equipment failure investigations/case studies
- Codes and standards (explanation, changes, guidance)
- Learning from incidents
- Key Performance Indicators
- Advances in CUI/CUF insulation and refractory systems
- Big data and digitization
- New repair methods/practices for equipment
- Advances in bolting, Joints, and gasketing practices
- Integrity assessments of non-metallic equipment
- Composite temporary repairs
- Case studies of incidents and solutions

FOCUSED TRACKS

Digital Transformation

- Cloud and Edge Computing
- Digital Asset Life Cycle Management
- Digital Twin Technology
- Big Data Analytics and IIoT
- Automation and AI/ML
- Predictive Analytics for Real-Time Asset Monitoring
- Computer Vision Applications
- Data Management and Quality for Advanced Analytics
- Blockchain and Smart Contracts
- Remote Operation and Virtual Collaboration

Storage Tanks

- Non-Intrusive assessment methods for tanks
- Cryogenic tanks integrity program
- Fitness-for-Service assessment of ASTs
- Revising the design of API 650 wind loading provisions
- Stainless steel tank bottoms (cost and corrosion control)
- Elements of a successful tank turnaround management program
- Finite Element Analysis – success and pitfalls in tank applications

SynGas

- Steam Methane Reformer operation and inspection
- Refractory lined vessel inspection
- Multilayer vessel inspection
- Waste Heat Boiler operation and inspection

Unmanned Inspection Systems

- Non-Intrusive Assessment Methods
- Permanently Mounted Sensors
- Robotics/UAS/Drones for Inspection/Monitoring
- Advances in unmanned inspection techniques and methods
- Remote visual inspections
- Qualification of inspectors/technicians
- How unmanned inspections systems are accepted in Codes/Standards
- Implementation of a unmanned inspections in an inspection program

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