

## Technical Agenda of RBI 2018:

### Day 1 – 23 March 2018

09.00 - 09.30 hrs **Registration along with Tea/Coffee**

09.30 - 11.00 hrs

#### **Session 1: Inaugural Session – Importance & Necessity of Risk Based Inspection – Key tool for Asset Integrity**

##### **Opening of Conference with Lamp Lighting**

- **Welcome address** by Organizing Committee, RBI 2018
- **Keynote lecture** by Chief of Technical Committee - Overview of RBI implementation in India
- **Inaugural address** by Chief Guest
- **Keynote address** by Guest of Honor
- **Address** by Eminent Guest

##### **Vote of Thanks & Opening of Exhibition with Ribbon Cutting Ceremony**

11.00 - 11.30 hrs **Networking Tea Break**

11.30 - 13.00 hrs

#### **Session 2: Risk Management & Analysis Techniques - RBI Implementation & Best Practices**

Invited & Contributory Papers:

- **Various RBI/ Asset Integrity/ Risk Management Software's and Computation Methods**
- **Reliability Risk Assessment and Analysis**
- **Data acquisition and handling for RBI implementation**
- **Specification of risk ranking level & determination of the respective risk acceptance level**

13.00 - 14.00 hrs **Networking Lunch**

14.00 - 15.30 hrs

#### **Session 3: Optimization of Inspection Plan based on RBI to Maintain Asset Integrity**

Invited & Contributory Papers:

- **Development and Validation of Risk based Inspection Plans**
- **Opportunities to Improve RBI**
- **Guidelines of various codes like API 580 and API 581**
- **Validation and Extension of Inspection Intervals**

15.30 - 16.00 hrs **Networking Tea Break**

16.00 - 17.30 hrs

#### **Session 4: Development of Integrity & Corrosion Management Plan- for Assuring Reliability/ Integrity of Assets**

Invited & Contributory Papers

- **Details of process outline & threat identification**
- **Different regulatory requirements & applicable standards/codes**
- **Corrosion circuits with damage mechanisms/ MOC & process chemistry**
- **Failure analysis review**

**Panel Discussion: Risk Based Inspection & Maintenance plan vis-a-vis Conventional Inspection and Maintenance Ideologies & Techniques**

**Summary of the Day**

### Day 2 – 24 March 2018

09.00 - 09.30 hrs **Morning Tea/ Coffee**

09.30 - 11.00 hrs

#### **Session 5: Implementation of Advanced NDT & Inspection Techniques**

Invited & Contributory Papers:

- **Current trends & advanced techniques in NDE practices**
- **NDE for in-service inspection/ Corrosion Damage Monitoring**
- **Inspection & NDE Programs and Practices: applied to Pressure Vessels, Piping, PRVs, Storage Tanks, Heaters, Offshore Topsides Equipment, Subsea Systems, Onshore and Subsea Pipelines, Terminals and onshore/offshore structures**
- **Specification of the necessary inspection and maintenance tasks**

11.00 – 11.30 hrs **Networking Tea Break**

11.30 – 13.00 hrs

#### **Session 6: Importance of Reliability Centered Maintenance (RCM) in Process Plants**

Invited & Contributory Papers:

- **RBI for New Plants, Integrating RBI into Plant Management Systems**
- **Plant Hazards and risk mitigation by HAZOP study, Hazard analysis & critical control points**
- **Occupational Health & Safety/ Emergency preparedness**
- **Identification of failure/ leaks using advanced NDT techniques for effective RBI**
- **Shutdown and Turnaround optimization using RBI Techniques**

13.00 – 14.00 hrs **Networking Lunch**

14.00 – 15.30 hrs

#### **Session 7: Fitness for Service Evaluation for Asset Integrity**

Invited & Contributory Papers:

- **Performing accurate FFS evaluations for an integral aspect of fixed equipment asset integrity management as an alternative to using the original construction design code**
- **Finite element analysis to assess equipment**
- **Leak Detection & Integrity Monitoring**
- **Recommendations of effective remediation and repair approaches**

15.30 – 16.00 hrs **Networking Tea Break**

16.00 – 17.30 hrs

#### **Session 8: Way Forward- Opportunities & Challenges for Implementation of RBI**

Invited & Contributory Papers:

- **RBI tool- importance in Asset Integrity Management**
- **Future prospects in Risk Based Asset Management (RBAM), Risk Based Integrity Management (RBIM) and Risk Based Management (RBM) and Risk and Reliability Management (RRM)**

**Panel Discussion: Barriers to RBI Implementation and Suggestions for Improvement**

**Memento Distribution**

**Closing Remarks and Observations**

**Vote of Thanks & Closing of Event**