

**OPENING KEYNOTE LECTURES LEVEL 3, ROOM 320 A&B**

<b>8:30AM to 8:50AM (KL1)</b>	<b>Conference Welcome;</b> <i>Paul Whitcraft, MTI's New Executive Director</i>
<b>8:50AM to 10:00AM (KL2)</b>	<b>The Top Ten Reasons for Fixed Equipment Mechanical Integrity Failures in Aging Plants;</b> <i>John Reynolds, Principal Consultant, Intertek Asset Integrity Management, Inc.</i>

**10:00AM to 10:30AM: Coffee & Expo Break**

ROOM 320 A	MORNING PRESENTATION SESSIONS	ROOM 320 B
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<b>Presentation Session (PS) 1 (PS1 to PS3)</b>	<b>RISK BASED INSPECTION (RBI)</b> <b>Moderator:</b> <i>Kenneth Kirkham, Principal Materials Engineer, E<sup>2</sup>G The Equity Engineering Group, Inc.</i>	<b>Presentation Session 2 (PS4 to PS6)</b>	<b>NON-METALLIC MATERIALS</b> <b>Moderator:</b> <i>Hardin Wells, Distinguished Advisor - Mechanical Tech Service, Albemarle</i>
<b>10:30AM to 10:35AM</b>	Moderator's welcome to the presentation session & introduction of speakers	<b>10:30AM to 10:35AM</b>	Moderator's welcome to the presentation session & introduction of speakers
<b>10:35AM to 11:05AM</b>	<b>PS1: 25 Years of Risk-Based Inspection;</b> <i>Valerie Magyari, Principal Engineer, Risk Based Inspection, E<sup>2</sup>G The Equity Engineering Group</i>	<b>10:35AM to 11:05AM</b>	<b>PS4: Managing Aging Plants: Non-metallics;</b> <i>Dale Keeler, Senior Materials Engineer; Al Lopez, Senior FRP Technologist/Inspection, The Dow Chemical Company</i>
<b>11:05AM to 11:35AM</b>	<b>PS2: Safe Operation of Aging Hydrogen Generation Plants Using RBI and IOWs;</b> <i>Vibha Zaman, Senior Consultant, Asset Optimization Consultants</i>	<b>11:05AM to 11:35AM</b>	<b>PS5: Cost-Effective Polymeric Heavy Corrosion Systems in Aging Plants;</b> <i>Greg O'Brien, Business Segment Manager CPI, SIMONA America</i>
<b>11:35AM to 12:05PM</b>	<b>PS3: Risk Based Repair of Refinery Structures;</b> <i>Amanda Nurse, Senior Reliability Engineer, BP</i>	<b>11:35AM to 12:05PM</b>	<b>PS6: Best Practices of Specialty Polymeric and Flake Glass Liners for Aged Steel and Concrete Tanks;</b> <i>Michael P. Yee, Managing Partner, RT Consults</i>
<b>12:05PM to 12:15PM</b>	Moderator's wrap-up & closing comments	<b>12:05PM to 12:15PM</b>	Moderator's wrap-up & closing comments

**12:15PM to 1:30PM: Lunch & Expo Break**

ROOM 320 A	AFTERNOON PRESENTATION SESSIONS	ROOM 320 B
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<b>Presentation Session 3 (PS7 to PS12)</b>	<b>SPECIFIC ASSETS MANAGEMENT (PT.1)</b> <b>Moderator:</b> <i>Ed Naylor, Senior Materials Engineering Associate, AkzoNobel Projects &amp; Engineering</i>	<b>Presentation Session 4 (PS13 to PS18)</b>	<b>INSPECTION (PT.1)</b> <b>Moderator:</b> <i>Don Hurst, Business Development Manager-Americas, Sonomatic, Inc.</i>
<b>1:30PM to 1:35PM</b>	Moderator's welcome to the presentation session & introduction of speakers	<b>1:30PM to 1:35PM</b>	Moderator's welcome to the presentation session & introduction of speakers
<b>1:35PM to 2:05PM</b>	<b>PS7: Reliability of Flexible Chemical Hoses;</b> <i>Steve Springer, Principal Consultant-Materials Engineering, Chemours</i>	<b>1:35PM to 2:05PM</b>	<b>PS13: Advances in Detection and Characterisation of Metal Loss in Pipelines Using Guided Wave Ultrasonic Testing;</b> <i>Agata Surowiec, Business Development Manager, Plant Integrity</i>
<b>2:05PM to 2:35PM</b>	<b>PS8: Management of Aged Equipment Lacking Documentation;</b> <i>Eileen Chant, Ph.D., P.E., Becht Engineering</i>	<b>2:05PM to 2:35PM</b>	<b>PS14: Management of Complex Facilities Using Robots;</b> <i>Aaron Cook, Unmanned Systems COE Manager, Mistras Group</i>
<b>2:35PM to 3:05PM</b>	<b>PS9: The Degradation, Intergranular Cracking and Rupture of Type 304L SS in a Nitric Acid Plant;</b> <i>Daniel Benac, PE, CFEI, Baker Engineering and Risk Consultants</i>	<b>2:35PM to 3:05PM</b>	<b>PS15: Proactive Integrity Management of Aging Plant;</b> <i>Dr. Angeliq N. Lasseigne, CTO, G2MT</i>

**3:05PM to 3:35PM: Coffee Break**

<b>Presentation Session 3 (PS7 to PS12)</b>	<b>SPECIFIC ASSETS MANAGEMENT (PT.2)</b> <b>Moderator:</b> <i>Cameron Curtis, Materials Engineer, Eastman Chemical Company</i>	<b>Presentation Session 4 (PS13 to PS18)</b>	<b>INSPECTION (PT.2)</b> <b>Moderators:</b> <i>Dr. Angeliq N. Lasseigne, CTO, G2MT; Joshua Jackson, CEO, G2MT</i>
<b>3:35PM to 4:05PM</b>	<b>PS10: In-Service Repair of a Leaking Steam Methane Reformer Outlet Pigtail;</b> <i>Sam Schleh, Materials &amp; Corrosion Engineer, BP Cherry Point Refinery</i>	<b>3:35PM to 4:05PM</b>	<b>PS16: Current Principal Applications of 3D Laser Scanning in Plant Turnarounds;</b> <i>Kris Nixon, Principal, Meridian 3D</i>
<b>4:05PM to 4:35PM</b>	<b>PS11: Valve Maintenance Practices for Aging Plants to Ensure Leak Free Operations &amp; Modern Sealing Technology for Flanged Joints in Aging Plants;</b> <i>Ron Frisard, Global Field Product Manager &amp; Technical Trainer A.W. Chesterton</i>	<b>4:05PM to 4:35PM</b>	<b>PS17: Small Specimen Testing for Damage and Life Assessment of High-Temperature Components;</b> <i>Arun Sreeranganathan, Senior Associate, Stress Engineering</i>
<b>4:35PM to 5:05PM</b>	<b>PS12: Corrosion Studies &amp; Their Influence on Material of Construction Selection;</b> <i>Nina Young, Huntsman Corporation</i>	<b>4:35PM to 5:05PM</b>	<b>PS18: Best Practices for Inspection and Data Analysis for Management of Aging Plants;</b> <i>Tyron Kimble, Senior Integrity Engineer, Sonomatic</i>
<b>5:05PM to 5:15PM</b>	Moderator's wrap-up & closing comments	<b>5:05PM to 5:15PM</b>	Moderator's wrap-up & closing comments

**5:15PM to 6:30PM: Drinks on Expo Floor**

**OPENING KEYNOTE LECTURES LEVEL 3, ROOM 320 A&B**

9:00AM to 9:30AM (KL3)	<b>Challenges for Corrosion Subject Matter Experts in Aging Plants;</b> <i>David E Moore, Discipline Leader - Materials and Corrosion, BP Refining Technology and Engineering</i>
9:30AM to 10:00AM (KL4)	<b>Process Safety Excellence in Managing Aging Plants;</b> <i>Dr. Sam Mannan, Regents Professor and Director, Mary Kay O'Connor Process Safety Center, Texas A&amp;M</i>

**10:00AM to 10:30AM: Coffee & Expo Break**

**ROOM 320 A**

**MORNING PRESENTATION SESSIONS**

**ROOM 320 B**

Presentation Session 5 (PS19 to PS21)	<b>BEST PRACTICES FOR MANAGING AGING PLANTS</b>	Presentation Session 6 (PS22 to PS24)	<b>MATERIALS DAMAGE MECHANISMS</b>
	<b>Moderator:</b> <i>Jason Bitting, Advisor-Mechanical Tech Service, Albemarle</i>		<b>Moderator:</b> <i>Krista Heidersbach, Senior Staff Consultant, Stress Engineering Services, Inc.</i>
10:30AM to 10:35AM	Moderator's welcome to the presentation session & introduction of speakers	10:30AM to 10:35AM	Moderator's welcome to the presentation session & introduction of speakers
10:35AM to 11:05AM	PS19: <b>A Best-Practice Framework for Managing Aging Infrastructure;</b> <i>John Aller, Executive Director, MTI</i>	10:35AM to 11:05AM	PS22: <b>Managing CUI in Aging Refinery/Petrochemical Plants;</b> <i>Brian Fitzgerald, Subject Matter Expert, Stress Engineering Services Inc.</i>
11:05AM to 11:35AM	PS20: <b>Replacement of Equipment in Aging Plants Cost Competitive Improved Materials of Construction;</b> <i>Dean Damin, Subject Matter Expert Stress Engineering</i>	11:05AM to 11:35AM	PS23: <b>Materials Damage Mechanisms;</b> <i>Stephen Bowditch, Global Product Line Manager, A.W. Chesterton</i>
11:35AM to 12:05PM	PS21: <b>Methodology for Comparing Asset Integrity Management Programs;</b> <i>Michiel Brongers, DNV GL</i>	11:35AM to 12:05PM	PS24: <b>High Temperature Hydrogen Attack;</b> <i>James Johnson, Analyst, Materials Practice, Stress Engineering</i>
12:05PM to 12:15PM	Moderator's wrap-up & closing comments	12:05PM to 12:15PM	Moderator's wrap-up & closing comments

**12:15PM to 1:30PM: Lunch & Expo Break**

**ROOM 320 A**

**AFTERNOON WORKSHOP SESSIONS**

**ROOM 320 B**

Workshop (WS) 1	<b>MANAGING AGING PLANTS ROUNDTABLE</b>	Workshop (WS) 2	<b>MANAGING AN AGING WORKFORCE</b>
	<b>Moderators:</b> <i>Cody Kell, Senior Metallurgical Engineer, 3M; Nina Young, Regional Metallurgical Engineering SME, Huntsman</i> <b>Panelists:</b> <i>David Barber, Global Materials Discipline Technology Leader, The Dow Chemical Company; Kevin Ganschow, Senior Staff Materials Engineer, Chevron</i>		<b>Moderator:</b> <i>Emory Ford, Director Emeritus, MTI; Panelists:</i> <i>Nadia Clark, Director, Recruitment &amp; Search Services, Elise Resources; Tom G. Mayer, CMRP Plant Engineering Global Excellence, 3M; Dr. Sam Mannan, Regents Professor &amp; Director, Mary Kay O'Connor Process Safety Center; Armando Lara, Operations Manager, LyondellBasell</i>
1:30PM to 1:35PM	Moderators' welcome to the workshop	1:30PM to 1:35PM	Moderator's welcome to the workshop
1:35PM to 2:20PM	Workshop session & discussion	1:35PM to 2:20PM	Workshop session & discussion
2:20PM to 2:30PM	Moderator's wrap-up & closing comments/questions	2:20PM to 2:30PM	Moderator's wrap-up & closing comments/questions

**ROOM 320 A**

**AFTERNOON PRESENTATION SESSIONS**

**ROOM 320 B**

Presentation Session 7 (PS25 to PS27)	<b>WELDING</b>	Presentation Session 8 (PS28 to PS30)	<b>SPECIAL TOPICS</b>
	<b>Moderator:</b> <i>Dean Damin, Subject Matter Expert, Stress Engineering Services, Inc.</i>		<b>Moderator:</b> <i>Mark Hilton, Materials &amp; Corrosion Engineer, Ascend Performance Materials</i>
2:30PM to 2:35PM	Moderator's welcome to the presentation session & introduction of speakers	2:30PM to 2:35PM	Moderator's welcome to the presentation session & introduction of speakers
2:35PM to 3:05PM	PS25: <b>Hot Tap Thermal Analysis Case Studies;</b> <i>Trace Silfies, Materials Engineer, The Equity Engineering Group</i>	2:35PM to 3:05PM	PS28: <b>Managing Aging Controls;</b> <i>Robert Epperly, Director of Engineering &amp; Maintenance, Webco</i>

**3:05PM to 3:35PM: Coffee Break**

3:35PM to 4:05PM	PS26: <b>5 Steps to Successful Repairs;</b> <i>Pete Philippon, Director of Project Management, Tricor Metals</i>	3:35PM to 4:05PM	PS29: <b>Process Electrical Safety Compliance;</b> <i>James (Jim) E. Johnston, P.E., Principal Process Electrical Safety Engineer Business Director Bath Process Safety Management</i>
4:05PM to 4:35PM	PS27: <b>Aging from Thermal Cycling – An Example;</b> <i>William Mohr, Principal Engineer, EWI</i>	4:05PM to 4:35PM	PS30: <b>Monitoring and Repair of Aging Reactive Metal Equipment;</b> <i>Richard Sutherlin, PE, Richard Sutherlin Consulting, LLC</i>
4:35PM to 4:45PM	Moderator's wrap-up & closing comments	4:35PM to 4:45PM	Moderator's wrap-up & closing comments