

CONFERENCE DAY ONE: TUESDAY NOVEMBER 13th, 2018

8:00am	COFFEE AND PASTRIES		
KEYNOTE LECTURES			
8:30am to 8:45am	1: Chairman's Welcome: Coping with Age-Related Damage Mechanisms – Ken Kirkham, <i>Principal Engineer, E²G The Equity Engineering Group, Inc.</i>		
8:50am to 9:20am	2: Fitness for Service Evaluation of a Large Brine Tank – Hardin T. Wells, <i>Fellow - Mechanical Tech Service, Albemarle Corporation</i>		
9:25am to 9:55am	3: Creating the Next Generation of Career Engineers and SMEs – Dan DeVine, <i>Valve and Piping Materials Consultant, Midland Engineering</i>		
10:00am to 10:45am	COFFEE & EXPO BREAK		
10:45am to 12:30pm	MORNING PRESENTATION SESSIONS		
	Management Track: Life Extension & Assessment	Non-Metallics and Fibre-Reinforced Polymers (FRP)	Asset Life Extension with Titanium (Pt. 1)
Moderators:	Nina Young, <i>Sr. Corrosion & Materials Engineer, Chevron Phillips Chemical Company LP</i>	Michael Stevens, <i>Principal Scientist, Ashland Composites</i>	Chris Wilson, <i>Technical Director, Uniti Titanium</i>
10:45am to 10:50am	Session Welcome	Session Welcome	Session Welcome
10:50am to 11:10am	Bring New Life into Older Equipment: Increasing Run-Length in Aging Heat Exchangers – Russell Phillion, <i>Founder & President, Orange Cleantech Inc., Toronto, Canada</i>	Fiber Reinforced Polymers: Alternative Material of Construction to Control Corrosion in Infrastructure Applications – Michael Stevens, <i>Principal Scientist, Ashland Composites</i>	Clad Equipment Failures – John G. Banker, <i>Consultant, Clad Metal Consulting</i>
11:15am to 11:35am	CUI - Repair and Prevention Using a High Performance Industrial Maintenance Coating and CUI Resistant Insulation, the Belt and Suspenders Approach – Gary Whittaker, <i>Sr. Fellow, Materials Engineering, Valentus Special Chemicals</i>	Your Aging FRP Assets: Myths and Facts – Jo Anne Watton, <i>CEO, UTComp Inc</i>	Clad Metal Repairs – How Thin is Too Thin? – Alex Orr, <i>Welding Engineer, Tricor Metals</i>
11:40am to 12:00pm	Life Extension of Aging Pipes with Cured-In-Place-Pipe Process – Bill Moore <i>Product Leader – CIPP Market, AOC Resins; Ron Adams Corrosion Control and Technical Services, AOC Resins</i>	Managing Aging Infrastructure: Inspection, Maintenance & Repair of Non-Metallic, Polymeric Lining and Coating Systems – Dale Heffner, <i>Electro Chemical Engineering & Mfg. Co., Superior Dual Laminates</i>	Utilization of Cold Sprayed Reactive Metal Alloys for Titanium Equipment Repair – Murray Pearson, <i>Director, Technology Development, Hatch</i>
12:05pm to 12:25pm	Managing Civil and Structural Assets in Aging Plants – Steven Altstadt, <i>PhD, PE, Wiss, Janney, Elstner Associates, Inc.</i>	In Service and Out of Service Critical Inspection Areas of FRP Vessels and Process Equipment – Thomas Haber, <i>Quality Assurance Program Manager, Maverick Applied Science, Inc.</i>	Options to Replace an old Pressure Vessel – Pete Philippon, <i>Director Project Management/ Engineering, Tricor Metals</i>
12:30pm to 2:00pm	BUFFET LUNCH & EXPO BREAK		
2:00pm to 3:40pm	AFTERNOON PRESENTATION SESSIONS		
	Management Track: Operations & Asset Management	Failures, Solutions and Repairs	Asset Life Extension with Titanium (Pt. 2)
Moderators:	Roy Grichuck, <i>Director - Piping, Fluor Enterprises, Inc.</i>	Roxanna Alvarez, <i>Senior Program Officer, Lloyd's Register</i>	Rob Henson, <i>Manager-Business Development, VSMPO</i>
2:00pm to 2:05pm	Session Welcome	Session Welcome	Session Welcome
2:05pm to 2:25pm	Intelligent Servicing to Save Time and Money for Aging Plant Shutdowns – Scott Grunwald – <i>Director, Shutdown, Turnaround & Outage (STO) Projects, Lifecycle Services, Emerson</i>	SMR Furnace Catalyst Tube Cold Inlet Failures – Sam Schleh, <i>Materials & Corrosion Engineer, BP Cherry Point Refinery</i>	Renewal of Aging and Deteriorated Infrastructure Using Titanium Alloy Bars – Christopher Higgins, <i>Oregon State University</i>
2:30pm to 2:50pm	Managing Valve Performance in Aging Plants (Risk & Reward) – Dave Anderson, <i>Score Diagnostics</i>	Case Study: Implications of Using Modern Inspection Techniques on Historic Equipment – Scott D. Bouse, <i>PE, Wiss, Janney, Elstner Associates, Inc.</i>	Corrosion Failures and Mitigation in Hydrided Environments – Dennis Schumerth, <i>Principal, Titanium Tubular Consultants</i>
2:55pm to 3:15pm	Approach to Hazardous Area Classification Compliance in an Aging Facility with Limited Resources – James (Jim) E. Johnston, <i>P.E., Principal Process Electrical Safety Engineer, Bath process Safety Management</i>	Nondestructive Measurement of Mechanical Strength, Ductility, and Toughness for Quality Control and Integrity Management – Soheil Saf-fari, <i>Mechanical Engineer, Massachusetts Materials</i>	Experience with Titanium Grade 2 for High Temperature Subsea Applications in Oil and Gas Industry – Maria Makhsheeva, <i>Development Engineer, ClampOn AS</i>
3:20pm to 3:40pm	Smart Condition Monitoring Using Machine Learning – Dr. Patrick Bangert, <i>CEO, Algorithmica Technologies</i>	Tank Tales: Cases of Failures and Damage of Storage Tanks – Ana Benz, <i>Chief Engineer, IRISNDT</i>	Heat Exchanger Retrofit Solutions with Low Fin Tube – Craig Thomas, <i>Director of Sales, NEOTISS</i>
3:00pm	WELCOME RECEPTION ON EXPO FLOOR		
3:40pm to 5:00pm	AFTERNOON WORKSHOP SESSION: ON THE EXPO FLOOR		
	Management Track: Managing an Aging Workforce		
Moderator:	Emory Ford, <i>Director Emeritus, MTI</i>		
Panellists:	Dan DeVine, <i>Valve and Piping Materials Consultant, Midland Engineering; Dr. Patrick Bangert, CEO, Algorithmica Technologies; Dr. Robert Freed, RLFeed Consulting</i>		
Description:	Concurrent with the need to safely operate "Aging Plants" is a need to train a changing work force. The purpose of this session is to review the status on training methodologies and to provide guidance on the optimum methods and to have a look at emerging methodologies.		

CONFERENCE DAY TWO: WEDNESDAY NOVEMBER 14th, 2018

KEYNOTE LECTURES

8:30am to 9:25am	4: Dealing with Unforeseen Damage of Pressure Equipment during a T&I – <i>Sayee Raghunathan, Consulting Services Department, Saudi Aramco</i>
9:30am to 9:55am	5: Lessons Learned from Nuclear Power Sector and Applicability in Other Process Industries – <i>Stan Hale, Senior Director-Supply Chain, MRC Global</i>

10:00am to 10:45am COFFEE & EXPO BREAK

10:45am to 12:30pm MORNING PRESENTATION SESSIONS

	Risk Identification: Risk Based Inspection (RBI) and Fitness for Service (FFS)	Non-Metallics and Fibre-Reinforced Polymers (FRP)	Materials & Corrosion Resistant Alloys
Moderators:	Ken Kirkham , <i>Principal Engineer, E²G The Equity Engineering Group, Inc.</i>	Michael Yee , <i>CEO, RTConsults</i>	Mel Esmacher , <i>Consulting Engineer, Metallurgical Services Lab, Suez</i>
10:45am to 10:50am	<i>Session Welcome</i>	<i>Session Welcome</i>	<i>Session Welcome</i>
10:50am to 11:10am	Damage Mechanism Reviews for RBI Analysis, CCD & IOW: Comparisons, Pitfalls and Best Practices – <i>Ken Kirkham, Principal Engineer, E²G The Equity Engineering Group, Inc.</i>	Use of Composite Nonmetallic Materials Commonly Used in Sulfuric Acid, Chlor-alkali and Pulp Facilities – <i>Michael Yee, CEO, RTConsults</i>	Performance of Sandvik's Hyper Stainless Steel UNS S32707 in Oil Refinery Overhead Condensers: Field & Lab Results & Experiences – <i>Karen Picker, Applications Engineer, and Marcelo Senatore, Regional Technical Marketing Manager, Sandvik Materials Technology</i>
11:15am to 11:35am	RBI-POF and FFS for Aging Equipment – <i>Jesus Esquivel, Manager, Tech-Inservice.com</i>	Solutions for Aging or Questionable Fiberglass Reinforced Plastic (FRP) Piping Systems – <i>Darryl Mikulec, Engineering Manager, Maverick Applied Science, Inc.</i>	Evaluation of Corrosion Pitting in a 317L Stainless Steel Surface Condenser Tube Bundle – <i>Ed Blessman, P.E. Metallurgical Engineer Technical Development Manager, Plymouth Tube Co. (Pt. 1)</i>
11:40am to 12:00pm	RBI Pitfalls and Best Practices - <i>Mark Harmony, Consulting Engineer, E²G The Equity Engineering Group, Inc.</i>	Extending the Life of Corroding Stainless Steel Pipe with Composite Repairs: Testing, Validation and Case Study – <i>Tim Mally, Clock Spring; Buddy Powers, Clock Spring</i>	Evaluation of Corrosion Pitting in a 317L Stainless Steel Surface Condenser Tube Bundle – <i>Ed Blessman, P.E. Metallurgical Engineer Technical Development Manager, Plymouth Tube Co. (Pt. 2)</i>
12:05pm to 12:25pm	Small Bore Piping Systems Fitness for Service Challenges – <i>Dan DeVine, Valve and Piping Materials Consultant, Midland Engineering LLC</i>	Old FRP Vessel Removal to Make Way for Installation and Assembly of New Vessel – <i>Terry W. Cowley, Consultant, FRP Consulting, LLC</i>	Premium Urea Grade Developed for the Most Demanding Conditions – <i>Kirk Ofei, Stamicarbon bv, The Netherlands; Daniel Gullberg, Sandvik Materials Technology</i>

12:30pm to 2:00pm BUFFET LUNCH & EXPO BREAK

2:00 to 4:00pm AFTERNOON PRESENTATION SESSIONS

	Management Track: Asset Integrity & Reliability	New Technology for Old Plants & Refineries	Materials & Corrosion Resistant Alloys
Moderators:	Eileen Chant , <i>Mechanical Engineering Manager, Becht Engineering</i>	Tim Sylvester , <i>Business Development & Sales, Lloyd's Register</i>	Lars Niemczewski , <i>Chief Communications Officer, Schmidt + Clemens GMBH + CO.</i>
2:00 to 2:05pm	<i>Session Welcome</i>	<i>Session Welcome</i>	<i>Session Welcome</i>
2:05 to 2:30pm	10 Rights of Asset Management: Achieve Reliability, Asset Performance and Operational Excellence – <i>Jeff Smith, Senior Reliability Leader, Reliabilityweb.com</i>	Maintaining Old Plants with New Innovative Techniques – <i>Qurban Ali, Corrosion/Cathodic Protection, Saudi Aramco</i>	6 Places Sulfuric Acid Plants are Using Alloys to Extend Plant Life – <i>Andrew Pedersen, Technical Sales, Sulfuric Acid Business Area, NORAM Engineering and Constructors LTD.</i>
2:35 to 3:00pm	Time for Change Especially in Aging Plants Beyond the Engineered Life; Accomplish the Zero Effect – <i>Kelly Caillier, Director of Engineering, Atlas Inspection Technologies</i>	Asset Integrity Monitoring Through Installed UT Sensors – <i>Steve Strachan, VP Sales, Sensor Networks, Inc.</i>	Overview of Laser Metal Deposition: For Waste to Energy Pressurized Boiler Components – <i>Chris Proulx, VP of Business Development, American Cladding</i>
3:05 to 3:30pm	Vibration Diagnostics for an Aging Plant – <i>Robert Sayer, President, Vibration Institute</i>	Extending the Useful Life of Assets Using Thermal Spray Coatings – <i>Kirk Flick, Senior Development Engineer, CTS-Texas</i>	Alumina Former Stainless Steel for Extreme High Temperature Environment – <i>Katie Day, Technical Marketing Specialist, Sandvik Materials Technology</i>
3:35 to 4:00pm	Maintenance & Repairs: The Ravages of Corrosion – <i>James E. Holden, Technical Director, Energy and Engineered Services, Cortec Corporation</i>	The Right Non-Destructive Examinations for Managing the Integrity of Insulated Pressure Piping – <i>Fadi Basma, Sr. Operations Director, IRISNDT</i>	Stainless Steel Tank Bottoms Providing Both Cost and Leak Control – <i>John Grocki, Consultant, Arcelor-Mittal Industeel</i>