

2012

57th Appalachian Underground Corrosion Short Course - Class Index

2012

Last Revised
1/24/2013

General Chairman - Tim Jenkins														Monday May 14																		
Monday, May 14		10:00 AM - 5:00 PM Pre-Registration Walk-in Registration				2:00 PM - 6:00 PM NACE Technician Review Course J. McLawhorn Eng. Sci. Bldg. Room G-39				3:00 PM - 5:00 PM Outdoor Clinic L. Pinto / J. Kulczyk / J. Girt Agricultural Annex Building - Grass Court Yard				6:00 PM - 8:00 PM Basic Electricity T. Perkins Engineering Science Building Room G-39																		
Tuesday, May 15 @ 8:30 AM - General Assembly - Ag. Sci. Bldg. Room 1021																																
Welcome by General Chairman, Tim Jenkins - Program and Schedule Changes - Feature Slide Presentation, J. Fitzgerald III																																
Tuesday, May 15	Hall Monitors needed																															
	Jim Delahoyde				Jim Delahoyde				Pipeline Integrity Management*		Technology Today		Internal Corrosion		Water & Wastewater		System Diagnostics		Outdoor Workshop (weather permitting)		What's New											
	Hall Monitor		Hall Monitor		Hall Monitor		Hall Monitor		Coatings		Technology Today		Internal Corrosion		Water & Wastewater		System Diagnostics		Outdoor Workshop (weather permitting)		What's New											
	Fundamentals*		Basic*		Intermediate		Advanced		Coatings		Technology Today		Internal Corrosion		Water & Wastewater		System Diagnostics		Outdoor Workshop (weather permitting)		What's New											
	Time	Period	R. Spierling		G. Rhodes		J. Warner		J. Otto		Jeff Didas		T. Cairns		R. Fullinwider		Don Schumacher		J. Block		J. Kulczyk		Mineral Resource									
	9:45 to 10:45 AM		Fundamentals of Corrosion Mathematics and Electricity		Basic Electricity		Corrosion Cells in Action		Pipe to Soil Potential Surveys and Analysis		Fundamentals of Pipeline Coatings		Pipeline Integrity and Standards		In-Line Inspection Data Interpretation		Federal Corrosion Control Regulations Update		Understanding the Basics of Corrosion & Control		Troubleshooting Cathodic Protection Rectifiers		Pipe & Cable Locating Buried Structures		Whats New in Instrumentation							
	11:00 AM Noon		R. Row		Pipeline Locating		Installation of Galvanic Anodes		Installation of Galvanic Anodes		QA/QC on Coating Inspection and Instrumentation		Data Integration		Transmission Pipeline Repair Methods		IC Mechanism & Storage Field Design		Coatings 101		Outdoor @ Agricultural Annex		Whats New in Anodes & Electrodes									
			G. Lomax		Kevin Klausmeier T. Jenkins		J. Bushman		W. Young		T. Hendricks		Kevin Parker		Elizabeth Nicholson		Rob Shoaf		Bob Benson K. Benner		Tom Conner J. Holton		C.M. Nelson		B. Fouracre							
Exhibits - Tuesday, May 15 - 11:00 AM - 1:00 PM & 5:00 PM - 8:00 PM - Shell Building																																
Tuesday, May 15	1:30 to 2:30 PM		3		Fundamentals of Corrosion		Corrosion Fundamentals		Corrosion Fundamentals		Installation of Impressed Current Cathodic Protection Systems		Installation of Impressed Current Cathodic Protection Systems		Continuation of Periods #1 & #2		Field Coating with Shrinkable Sleeves		ECDA Indirect Inspection Tools CIS		Foreign Contacts & Pipe Fault Surveys		Basic Pipe Inspection, Sampling, and Monitoring		Economics of Cathodic Protection		Cathodic Protection for Above Ground Storage Tank Bottoms		Impressed Current System Hands-On Workshop		Whats New in Accessories	
	2:45 to 3:45 PM		4		Class runs to 3:10						J. Burns		J. Sapp		Kevin Parker		Dick Reeves		T. Jenkins		Mark Byerley		Bob Benson		J. Bushman		J. Lary		Dennis Carenza			
	4:00 to 5:00 PM		5		J. Otto 15 minute break						Criteria For Cathodic Protection		Criteria For Cathodic Protection		Materials For Cathodic Protection		Field Applied Coatings		ECDA Indirect Inspection Tools		Planning & Executing a Pipeline Rehabilitation		IMP Risk Assessment, ICDA Methodology, and ICDA Tools		Corrosion Control of Ductile Iron Pipe		Corrosion & Failure Analysis of Electric Towers and Grid		Output • On/Off CIS • Interference • Polarization			
					Introduction to Cathodic Protection		Corrosion Control Methods		Corrosion Control Methods		Criteria For Cathodic Protection		Criteria For Cathodic Protection		Materials For Cathodic Protection		Field Applied Coatings		ECDA Indirect Inspection Tools		Planning & Executing a Pipeline Rehabilitation		IMP Risk Assessment, ICDA Methodology, and ICDA Tools		Corrosion Control of Ductile Iron Pipe		Corrosion & Failure Analysis of Electric Towers and Grid		Output • On/Off CIS • Interference • Polarization			
					Class starts at 3:25						Tim Jenkins		R. Fullinwider		George Krewson		Laura Bauer		Dick Reeves		Using Digital X-Ray to Identify Corrosion		Extending the Life of Existing Water Main		Extending the Life of Existing Water Main		Mathematics					
Corrosion Mathematics - Tuesday, May 15 - 7:00 PM - 9:00 PM - ESB G83 - R. Row																																
Wednesday, May 16	8:30 to 9:30am		6		Pipeline Electrical Isolation Methods		Introduction to Pipeline Coatings		Introduction to Pipeline Coatings		Corrosion Control for Pipelines		Corrosion Control for Pipelines		Evaluation of Underground Coatings Using Aboveground Techniques		Fusion Bond Coatings and Mill Inspection Techniques		Inline Inspection Standards, Methods and Tools		AC Corrosion How, When, Where & What To Do About It		Testing for Chemical Selections/ Application and Misapplication		Corrosion Control Monitoring		Electrical Isolating Devices for Pipelines		ECDA Indirect Inspection Field Simulation		Corrosion	
	9:45 to 10:45 AM		7		George Lomax J. McLawhorn		Kevin Klausmeier J. Utey		John Williams J. Holton		Corrosion Control for Pipelines		Corrosion Control for Pipelines		Evaluation of Underground Coatings Using Aboveground Techniques		Fusion Bond Coatings and Mill Inspection Techniques		Inline Inspection Standards, Methods and Tools		AC Corrosion How, When, Where & What To Do About It		Testing for Chemical Selections/ Application and Misapplication		Corrosion Control Monitoring		Electrical Isolating Devices for Pipelines		ECDA Indirect Inspection Field Simulation		Corrosion	
	11:00 AM Noon		8		Fundamental Introduction to Pipeline Coatings		Potential Measurements		Potential Measurements		Corrosion Control for Pipelines		Corrosion Control for Pipelines		Evaluation of Underground Coatings Using Aboveground Techniques		Fusion Bond Coatings and Mill Inspection Techniques		Inline Inspection Standards, Methods and Tools		AC Corrosion How, When, Where & What To Do About It		Testing for Chemical Selections/ Application and Misapplication		Corrosion Control Monitoring		Electrical Isolating Devices for Pipelines		ECDA Indirect Inspection Field Simulation		Corrosion	
					Fundamentals of Rectifier Monitoring		Potential Measurements		Potential Measurements		Corrosion Control for Pipelines		Corrosion Control for Pipelines		Evaluation of Underground Coatings Using Aboveground Techniques		Fusion Bond Coatings and Mill Inspection Techniques		Inline Inspection Standards, Methods and Tools		AC Corrosion How, When, Where & What To Do About It		Testing for Chemical Selections/ Application and Misapplication		Corrosion Control Monitoring		Electrical Isolating Devices for Pipelines		ECDA Indirect Inspection Field Simulation		Corrosion	
					Class starts at 3:25						Tim Jenkins		R. Fullinwider		George Krewson		Laura Bauer		Dick Reeves		Using Digital X-Ray to Identify Corrosion		Extending the Life of Existing Water Main		Extending the Life of Existing Water Main		Mathematics					
Exhibits - Wednesday, May 16 - 11:00 AM - 1:00 PM & 5:00 PM - 6:30 PM - Shell Building																																
Wednesday, May 16	1:30 to 2:30 PM		9		Introduction to Pipe-to-Soil Potential Measurements		Resistance Measurements		Resistance Measurements		Continuation of Period #8		Continuation of Period #8		Design of Impressed Current Cathodic Protection Systems		Evaluation & Selection of Directional Drill Pipe Coatings		Difficult To Pig Pipelines		Technical Aspects of Close Interval Surveys-CIS		Overall Internal Corrosion Integrity Management		Corrosion Control for Water Storage Tanks		Understanding the Reference Cell		Open Rain Date		Roundtable	
	2:45 to 3:45 PM		10		Kevin Klausmeier Keith Parker		Tom Conner Kevin Parker		J. Burns		J. McLawhorn		Design of Impressed Current Cathodic Protection Systems		Evaluation & Selection of Directional Drill Pipe Coatings		Difficult To Pig Pipelines		Technical Aspects of Close Interval Surveys-CIS		Overall Internal Corrosion Integrity Management		Corrosion Control for Water Storage Tanks		Understanding the Reference Cell		Open Rain Date		Roundtable			
	4:00 to 5:00 PM		11		Current Flow Measurement		Current Flow Measurement		Troubleshooting Cathodic Protection Systems		Troubleshooting Cathodic Protection Systems		Design of Galvanic Cathodic Protection Systems		Design of Galvanic Cathodic Protection Systems		Kirk Wissmar		Coating Failures Case Histories		Direct Inspection		Modern Tools for Indirect Inspections for DA and Beyond		Preventing Corrosion of Steel Water Pipe		PHMSA Updates		Assessment			
					Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop		Workshop	
					Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts		Kevin Roberts	
Roundtable - Wednesday, May 16 - 7:00 PM - 9:00 PM - Law Building - Court Room - K. Garrity, Moderator																																
Thursday, May 17	8:30 to 9:30am		12		Voluntary Test Fundamentals		Record Keeping		Record Keeping		Rectifier Maintenance Room G-102		MIC Inspection & Testing		Field Applied Coatings Course 2		Corrosion Regulations DOT/PHMSA Perspective		Interference Issues		Vacant		Workshop Instrumentation & Measurement for CP Systems		Advanced Rectifier Workshop		Workshop Instrumentation & Measurement for CP Systems		Voluntary Testing			
	9:45 to 10:45 AM		13		Law Building Room 157		Kevin Klausmeier Tom Conner		R. Graesser		D. Krause		K. Garrity		Grassy Knoll		Assessment of Casing Filler Effectiveness		Cost Savings in Integrity and GIS Collection		Vacant		Pipe-to-Soil Soil Resistivity Calibrate IR Drop		Indoor Workshop Space Limited		Pipe-to-Soil Soil Resistivity Calibrate IR Drop		Basic Intermediate			
	11:00 AM Noon		14		R. Spierling Workshop		Voluntary Test Basic		Voluntary Test Basic		Voluntary Test Intermediate		Voluntary Test Advanced		Jim Robbins		Kiley Barron		Mark Linville		Vacant		Pipe Inspection & Repair Techniques		Assessment Methods		Assessment Methods		Assessment Methods			
					outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex		outdoor @ Agricultural Annex			

Additional copies of this brochure may be obtained from Danielle Petrak Operations Coordinator, WVU CEMR, PO Box 6070 Morgantown, WV 26506 Phone:304 293 4307 Fax: 304 293 5708 danielle.petrak@mail.wvu.edu

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