

Monday, May 14		General Chairman - Tim Jenkins													Monday May 14															
10:00 AM - 5:00 PM Pre-Registration Walk-in Registration		2:00 PM - 6:00 PM NACE Technician Review Course Joel McLawhorn Eng. Sci. Bldg. Room G-39					3:00 PM - 5:00 PM Outdoor Clinic Lou Pinto / Jim Kulczyk / Jeremy Girt Agricultural Annex Building - Grass Court Yard					6:00 PM - 8:00 PM Basic Electricity Tim 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, John Fitzgerald III																														
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											
Fundamentals*		Basic*					Intermediate					Advanced		Coatings																
Time	Period	Bob Sperling Law Building Rm 157		Geoff Rhodes Law Building Room 154			Jim Warner Eng Sci Room G-102		Eng Sci Room G-39			John Otto Law Building - Court Room		Jeff Didas Mineral Res. Bldg. 109		Tom Cairns Mineral Res. Bldg 205		Mark Livville ESB 207		Roy Fullineer Eng. Sci. Bldg G-83		Don Schumacher Eng. Sci. Bldg. 801		John Block Eng. Sci. Bldg. G-84		Jim Kulczyk At. Annex Bldg		Room 107		
9:45 to 10:45 AM		1	Fundamentals of Corrosion Mathematics and Electricity Richard Row		Basic Electricity Kevin Klausmeier			Basic Electricity Jim Bushman		Corrosion Cells in Action Eng Sci Room G-102 Kurt Lawson			Pipe to Soil Potential Surveys and Analysis Gary Weiler		Fundamentals of Pipeline Coatings Bery Weiler Jeff Didas		Pipeline Integrity and Standards Ralph Graesser Lee Reynolds		In-Line Inspection Data Interpretation Terry Shanbin Bill Detson		Federal Corrosion Control Regulations Update Chuck Kawana Joe Mataitch		Basics of Corrosion & Control Chuck Kawana Tom Conner		Troubleshooting Cathodic Protection Rectifiers Tom Conner		Pipe & Cable Locating Buried Structures Outdoor @ Agricultural Annex		What's New in Instrumentation Eric Bonner Dennis Carezza	What's New in Anodes & Electrodes Eric Bonner Dennis Carezza
11:00 AM Noon		2	Pipeline Locating George Lomax					Installation of Galvanic Anodes Walt Young		Installation of Galvanic Anodes Terry Hendricks			QA/QC on Coating Inspection and Instrumentation Gary Weiler Bill Corbett		Data Integration Ralph Graesser Elizabeth Nicholson		Transmission Pipeline Repair Methods Bob Allen Rob Shoaf		IC Mechanism & Storage Field Design Bob Benson Karen Benner		Coatings 101 Tom Conner Jerry Holton		Troubleshooting C.M. Nelson		Blake Fouracre					
11:AM to 1:PM																														
Exhibits - Tuesday, May 15 - 11:00 AM - 1:00 PM & 5:00 PM - 8:00 PM - Shell Building																														
1:30 to 2:30 PM		3	Fundamentals of Corrosion Class runs to 3:10 John Otto 15 minute break		Corrosion Fundamentals Jim Burns			Corrosion Fundamentals Jim Sapp			Installation of Impressed Current Cathodic Protection Systems Continuation of Periods #1 & #2 Kevin Parker		Field Coating with Shrinkable Sleeves Dick Reeves		ECDA Indirect Inspection Tools CIS Tim Walston		Foreign Contacts & Pipe Fault Surveys Mark Beyerly		Basic Pipe Inspection, Sampling, and Monitoring Bob Benson Roy Fullineer		Economics of Cathodic Protection Jim Bushman		Cathodic Protection for Above Ground Storage Tank Bottoms Joshua Stanley		Impressed Current System Hands-On Workshop Dennis Carezza		What's New in Accessories Dennis Carezza			
2:45 to 3:45 PM		4	Introduction to Cathodic Protection Tom Williams		Corrosion Control Methods Michael Tarton Hal George			Corrosion Control Methods Eric Bonner John Fitzgerald			Criteria For Cathodic Protection Criteria For Cathodic Protection Laura Bauer George Krewson		Materials For Cathodic Protection Dick Reeves John Williams		Indirect Inspection Tools DCVG-ACVG Current Attenuation Terry Shanbin Bill Detson		Planning & Executing a Pipeline Rehabilitation Terry Shanbin Bill Detson		IMR Risk Assessment, ICDA Methodology, and ICDA Tools Jeremy Girt Lynsay Bensman		Extending the Life of Existing Water Main Eric Bonner Tom Fowler		Corrosion & Failure Analysis of Electric Towers and Grid Jay Keldsen Bob Spickelmire		Output On/Off CIS Interference Polarization Outdoor @ Agricultural Annex		Mathematics Tuesday, May 15 7:00 PM - 9:00 PM ESB Room G-83	Richard Row		
4:00 to 5:00 PM		5																												
7 to 9 PM																														
Corrosion Mathematics - Tuesday, May 15 - 7:00 PM - 9:00 PM - ESB G83 - Richard Row																														
8:30 to 9:30am		6	Pipeline Electrical Isolation Methods George Lomax Joel McLawhorn		Introduction to Pipeline Coatings Kevin Klausmeier Jim Utley			Introduction to Pipeline Coatings John Williams Jerry Holton			Corrosion Control for Pipelines Corrosion Control for Pipelines		Evaluation of Underground Coatings Using Aboveground Techniques Bery Weiler Bill Donald		Fusion Bond Coatings and Mill Inspection Techniques Frank Rampton		AC Corrosion Standards, Methods and Tools Tom Cairns Kevin Garrity		AC Corrosion How, When, Where & What To Do About It Kara Benner Robert Allen		Testing for Chemical Selections/ Application and Misapplication Ken Hake		Corrosion Control Monitoring Eric Walker Eric Langlund		Electrical Isolating Devices for Pipelines Jay Keldsen		ECDA Indirect Inspection Field Simulation ACVG-CIS-DCVG Outdoor @ Agricultural Annex		Corrosion	
9:45 to 10:45 AM		7	Fundamental Introduction to Pipeline Coatings George Lomax		Potential Measurements Potential Measurements																									
11:00 AM Noon		8	Fundamentals of Rectifier Monitoring Eric Six Greg Alexander		Static Stray Current Interference Testing Jim Burns			Static Stray Current Interference testing Joel McLawhorn			Dynamic Stray Current Analysis John Fitzgerald		Coating Selection for Underground Service Dave Cutlip		Atmospheric Corrosion Integrity Management Tom Cairns Mike Surkein		Lighting & Over-voltage Protection for P/L Steve Aberico Henry Tacklich		IC Case Study Rick Eckert		Continuation of Period 7 Dr. Zamanzadeh		Eric Bonnen Tom Williams		M.DeNicola/Jim Walton Jim Quirk/John Block		Exhibits	Shell Bldg		
11:AM to 1:PM																														
Exhibits - Wednesday, May 16 - 11:00 AM - 1:00 PM & 5:00 PM - 6:30 PM - Shell Building																														
1:30 to 2:30 PM		9	Introduction to Pipe-to-Soil Potential Measurements Kevin Klausmeier Keith Parker		Resistance Measurements Resistance Measurements Continuation of Period #8 Art Bix			Resistance Measurements Resistance Measurements Continuation of Period #8 Joel McLawhorn			Design of Impressed Current Cathodic Protection Systems Mike Surkein		Evaluation & Selection of Directional Drill Pipe Coatings Mike Surkein		Difficult To Pig Pipelines Joshua Stanley Robin Pawson		Technical Aspects of Close Interval Surveys-CIS Joshua Stanley Robin Pawson		Overall Internal Corrosion Integrity Management Adam Freeman		Corrosion Control for Water Storage Tanks Jim Bushman		Understanding the Reference Cell Jim Dimond		Open Rain Date Outdoor @ Agricultural Annex		Roundtable	Wednesday May 16 7:00 PM - 9:00 PM - Min Res Bldg 113 Auditorium Kevin Garrity, Moderator		
2:45 to 3:45 PM		10	Current Flow Measurement Michael Tarton Kevin Klausmeier		Current Flow Measurement Current Flow Measurement Troubleshooting Cathodic Protection Systems Troubleshooting Cathodic Protection Systems			Troubleshooting Cathodic Protection Systems Troubleshooting Cathodic Protection Systems			Design of Galvanic Cathodic Protection Systems Kevin Garrity		Managing an Aboveground Coatings Program Luke Clark		SCC Direct Inspection David Wint		Modern Tools for Indirect Inspections for DA and Beyond Joel McLawhorn		IC Roundtable Tom Conner Rick Eckert, Lynsay Bens Dave Adams, Roy Fulline Karen Benner		Preventing Corrosion of Steel Water Pipe Adam Freeman		Field Tests For Shorted Casing Karen Benner John Block		Cased Pipe Assessment PHMSA Updates Frank Rampton					
4:00 to 5:00 PM		11	Workshop Kevin Roberts Pinto-DeNicola-McWilliams-Block-Cairns Mayfield-Quirk-Kulczyk-Lindsay-Warner																											
7:PM to 9:PM																														
Roundtable - Wednesday, May 16 - 7:00 PM - 9:00 PM - Law Building - Court Room - Kevin Garrity, Moderator																														
8:30 to 9:30am		12	Voluntary Test Fundamentals Law Building Room 157		Record Keeping Record Keeping Rectifier Maintenance Room G-102 Inspection & Testing Kevin Garrity			MIC Inspection & Testing Kevin Garrity			Field Applied Coatings Course 2 Outdoor Clinic Corner Grassy Knoll		Corrosion Regulations DOT/PHMSA Perspective Art Bix Mike Placzek		Interference Issues AC Interference CP Interference The Alternate Perspective Joe Mataitch		AC Interference CP Interference The Alternate Perspective Robin Pawson		Vacant		Workshop Instrumentation & Measurement for CP Systems: Pipe-to-Soil Soil Resistivity Calibrate IR Drop Pipe/Cable Locate Pipe Inspection & Repair Techniques Internal Corrosion Assessment Methods		Advanced Rectifier Workshop Indoor Workshop Please bring meter to class		Workshop Instrumentation & Measurement for CP Systems: Pipe-to-Soil Soil Resistivity Calibrate IR Drop Pipe/Cable Locate Pipe Inspection & Repair Techniques Internal Corrosion Assessment Methods		Voluntary Testing Basic Intermediate Advanced Periods 13 and 14			
9:45 to 10:45 AM		13	Bob Sperling Workshop outdoor @ Agricultural Annex		Voluntary Test Basic Law Building Room 153 & 154			Voluntary Test Intermediate Engineering Science Building Room G-39			Voluntary Test Advanced Law Building Court Room																			
11:00 AM Noon		14																												

Additional copies of this brochure may be obtained from Danielle Petrak, WVU CEMR, PO Box 6070 Morgantown, WV 26506 Phone:304 293 4307 Fax: 304 293 5708 danielle.petrak@mail.wvu.edu
For more information, please visit our Web Site: www.aucsc.com