

Monday, May 20		General Chairman - Jerrv Holton										Monday May 14																			
11:00 AM - 6:00 PM Pre-Registration Walk-in Registration		2:00 PM - 6:00 PM NACE Technician Review Course Joel McLawhorn Enr. Sci. Bldg. Room G-29				3:00 PM - 6:00 PM Pinto/Girt/Pierce/Starkley/Walker/Mollica/Rine/Scott Agricultural Annex Building - 2nd Floor Meeting Room				6:00 PM - 8:00 PM Basic Electricity Tim Perkins Engineering Science Building Room G-10																					
<b>Tuesday, May 21 @ 8:30 AM - General Assembly - Mineral Resources Building Auditorium (Room 113)</b>																															
<b>Welcome by General Chairman - Jerrv Holton - Program and Schedule Changes - Feature Slide Presentation - John Fitzgerald III</b>																															
Hall Monitors needed		Hall Monitor		Hall Monitor		Hall Monitor		Hall Monitor		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		Min. Res. Bldg. 113		South Agr. Sci. 1021		Agr. Sci. 1001		Enr. Sci. Room G-102		Enr. Sci. Room G-39		Law Building Court Room		Mineral Res. Bldg. 109		Mineral Res. Bldg. 205		Enr. Sci. Bldg. G-83		Enr. Sci. Bldg. 801		Enr. Sci. Bldg. G-84		Agr. Annex Bldg. 107		Mineral Resource Room 107			
9:45 to 10:45 AM		Corrosion Mathematics and Electricity		Basic 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		Introduction to Internal Corrosion		National Association of Corrosion Engineers - Water		Troubleshooting Cathodic Protection Rectifiers		Pipe & Cable Locating Buried Structures		Whats New in Instrumentation					
11:00 AM Noon		Pipeline Locating		Richard Row		Pipeline Locating		Installation of Galvanic Anodes		Installation of Galvanic Anodes		Use of Instruments for Inspection of Pipeline Coatings		Data Integration		Transmission Pipeline Repair Methods		Field Sampling and Testing		Understanding the Basics of Corrosion and Corrosion Control		David Helms		Outdoor @ Agricultural Annex		Whats New in Anodes & Electrodes MBB 299					
11 am to 1 pm 5 pm to 8 pm		George Lomax		Tom Jenkins		Jim Bushman		Walt Young		Tom Conner		Kevin Parker		Bill Corbett		Elizabeth Nicholson		Rob Shoaf		Jason Rine		Tom Conner		C.M. Nelson		Dennis Carenza					
<b>Exhibits - Tuesday, May 21 - 11:00 AM - 1:00 PM &amp; 5:00 PM - 8:00 PM - Shell Building</b>																															
1:30 to 2:30 PM		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		Pipe Inspection		Coatings 101		Corrosion & Failure Analysis Electric Towers and Grid		Impressed Current System Hands-On Workshop		Whats New in Accessories			
2:45 to 3:45 PM		Class runs to 3:10 John Otto 15 minute break		John Otto		John Otto		Jim Burns		Jim Saop		Kevin Parker		Jack Wink		Tim Jenkins		Mark Beyerly		Data Collection and Integration		Jerry Holton		Dr. Zamanzadeh		Rectifier Theory		Periods 3, 4 & 5 1:30 PM - 5:00 PM Dennis Carenza			
4:00 to 5:00 PM		Introduction to Cathodic Protection Class starts at 3:25		Dave Kravac		John Fitzgerald		Criteria For Cathodic Protection		Criteria For Cathodic Protection		Materials For Cathodic Protection		Field Applied Coatings Outdoor Clinic Corner		ECDA Indirect Inspection Tools DCGV-ACVG Current Attenuation		Bill Deaton		Cost Savings in Integrity and GIS Collection		Monitoring Techniques and Selection		How to Provide Indefinite Life in Metallic Transmission Mains		CP Test Stations The Good, The Bad, The Ugly		Outdoor @ Agricultural Annex		Corrosion Mathematics Tuesday, May 21 7:00 PM - 1:00 PM ESB Room G-83 Richard Row	
7 to 9 pm		Tom Williams		Hal George		Jim Bushman		Tim Jenkins		Roy Fullineer		George Krewson		John Williams		Jim Walton		Gord Parker		Ben Terrien		Ron Brown		Dr. Bop Phull		Lou Pinto / JimKulczyk Rich McWilliams		Richard Row			
<b>Corrosion Mathematics - Tuesday, May 21 - 7:00 PM - 9:00 PM - ESB G83 - Richard Row</b>																															
8:30 to 9:30am		Pipeline Electrical Isolation Methods		Introduction to Pipeline Coatings		Introduction to Pipeline Coatings		Evaluation of Undergound Coatings Using Aboveground Techniques		Fusion Bonded Coatings and Mill Inspection Techniques		Initial Inspection Standards, Methods and Tools		AC Corrosion Issues		Chemical Treatment Do's and Don'ts		Corrosion Control for Water Treatment and Storage Facilities		Insulator Testing		EDCA Indirect Inspection Field Simulation		ACVG-CIS-DCVG Current Attenuation		Outdoor @ Agricultural Annex		Exhibits Wednesday, May 22 11:00 AM - 1:00 PM 5:00 PM to 8:30 PM Shell Bldg			
9:45 to 10:45 AM		Fundamental Introduction to Pipeline Coatings		Potential Measurements		Potential Measurements		Critical Application Steps with Two-Part Epoxies		AC Mitigation		Lightning & Over Voltage Protection for P/L		Hydrates		Installing CP in a Water Reservoir		Troubleshooting Distribution Systems		Jim Keldson		Jim Bushman		Jay Keldson		Jim Walton		John Block/Dickey Scott			
11:00 AM Noon		Fundamentals of Rectifier Monitoring		Jeff Didas		Jeff Didas		Static Stray Current Interference Testing		Static Stray Current Interference Testing		Dynamic Stray Current Analysis		Coating Selection for Underground Service		Atmospheric Corrosion Integrity Management		Decoupler Applications & Considerations When Taking Instant-Off Reads on a Decoupled P/L		IC Management Do's and Don'ts		Corrosion - Its Causes, Effects and Prevention for DIP Control of DIP		Adam Freeman		Rick Eckert		Allen Cox		Tom Williams	
11 am to 1 pm 5 pm to 6:30 pm		Greg Alexander		Tim Jenkins		Mike Roberts		Jim Burns		Joel McLawhorn		John Fitzgerald		Jim Ulvey		Mike Surkein		Mike Tachick		John Bieler		Adam Freeman		Rick Eckert		Allen Cox		Tom Williams			
<b>Exhibits - Wednesday, May 22 - 11:00 AM - 1:00 PM &amp; 5:00 PM - 6:30 PM - Shell Building</b>																															
1:30 to 2:30 PM		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		Impacts of Shale Gas		Water Main Condition Assessment		Coated Pipe Assessment PHMSA Updates		Open Rain Date		Roundtable Wednesday, May 22 7:00 PM - 9:00 PM - Min Res Bldg 113 Auditorium Kevin Garrity, Moderator			
2:45 to 3:45 PM		Keith Parker		Kevin Parker		Jim Burns		Joel McLawhorn		Mike Surkein		Rob Pawson		Roy Fittneer		Yaofu Zhang		Joe Mataich		Corrosion Control at M&R Stations and Delivery Facilities		Corrosion Control Monitoring		Guided Wave Technology for Shorted Casings		Open Rain Date		Auditorium			
4:00 to 5:00 PM		Mike Placzek		Workshop Agricultural Annex - Courtyard - Outdoor		Workshop Agricultural Annex - Courtyard - Outdoor		Design of Galvanic Cathodic Protection Systems		Design of Galvanic Cathodic Protection Systems		Direct Inspection SCC		Modern Tools for Indirect Inspections for DA and Beyond		IC Roundtable		Water Lines in Electric Rail Corridors, Corrosion and Corrosion Control		Field Tests for Shorted Casings		Eric Lungeland		Field Tests for Shorted Casings		Open Rain Date		Auditorium			
7 to 9 pm		Pinto-McWilliams-Block-Cairns-Scott-Girt-Roberts		Jim Burns		John Otto		Jim Bushman		Kirk Wissner		John Reavers		Jim Walton		Benner Bensman, Fullineer, Adams, Terrien		Stu Greenberger		John Block											
<b>Roundtable - Wednesday, May 22 - 7:00 PM - 9:00 PM - Min Res Bldg Rm 113 - Kevin Garrity, Moderator</b>																															
8:30 to 9:30am		Voluntary Test Fundamentals		Record Keeping		Record Keeping		Rectifier Maintenance		Rectifier Maintenance		MIC Inspection & Testing		Field Applied Coatings Course 2 Outdoor Clinic Corner		Corrosion Regulations AC Interference Case History		Workshop Instrumentation & Measurement for CP Systems		Advanced Rectifier Workshop		Workshop Instrumentation & Measurement for CP Systems		Voluntary Testing		Basic Intermediate Advanced					
9:45 to 10:45 AM		Min. Resources Law Room 157		Tom Conner		Ralph Grasser		Jim Warner		Michael Tarlton		Kevin Garrity		Grassy Knoll		CP Interference The Alternate Perspective		Rine, Benner		Outdoor Clinic- Hands-On of UC Tests Discussed in Period 2		Continuation		Indoor Workshop Space Limited		Please bring meter to class		Periods 13 and 14			
11:00 AM Noon		Bob Sperling		Voluntary Test Basic		Voluntary Test Intermediate		Voluntary Test Advanced		Grassy Knoll		Assessment of Casing Filler Effectiveness		CP Monitoring via In-Line Inspection		CP Monitoring via In-Line Inspection		Outdoor Clinic IC Testing		Continuation		Outdoor @ Agricultural Annex		C.M. Nelson		Outdoor @ Agricultural Annex					
11 am to 1 pm 5 pm to 6:30 pm		outdoor @ Agricultural Annex		Agr. Sci Room 1001 & 1021		Engineering Science Building Room G-102		Law Building Court Room		John Williams		Jim Warner		Dennis Janda		Rine, Benner															

Additional copies of this brochure may be obtained from Danielle Petrak, WVU Statter College, PO Box 6070 Morgantown, WV 26506 Phone:304 293 4307 aucsc@mail.wvu.edu

For more information, please visit our Web Site: www.aucsc.com