

Thursday - May 09, 2019														
7:00-8:00	Hands-On Registration - Boise Centre West Lobby													
7:00-7:50	Breakfast in the Boise Centre West Grand Ballroom/Exhibit Area with Prize give-a-ways and Visit Exhibits													
Workshops	Measurement	Measurement	Regulation	Regulation	Gas Quality / Odorization	BP/ GI	Hands On (15 student limit)							Roundtable
Room	410A B.C. East	410B B.C. East	410C Boise Centre East	430A Boise Centre East	430B Boise Centre East	440 B.C. East	110A B.C. West	110B B.C. West	110C B.C. West	110D B.C. West	120A B.C. West	120B B.C. West	120C B.C. West	420 Boise Centre East
8:00-8:50	USM Tube Design: Optimal Flow Profile and Noise Attenuation Geoff Hager	Regulator and Industrial Meter Station Design Lamar May	Regulator and Relief Valve Field Challenges: Writing and Implementing Field Procedures for Testing Regulator Lockup & Relief Valve Set Points Ken Goodwin	Troubleshooting Regulators Paul Anderson	Pipeline Pickling McCormack	Dan	Dresser D800 Madeline Corb	Emerson Daniel GC Jamie Marsden	Honeywell / Elster / American Meter RPM/RABO Meter Bob Bennett	VRG Controls RCVC Red Circle Valve Controller Michael Garvey	ABB Chromatograph James Oliver	YZ odorant Pumps Steve Sillman	Sick 600 Ultrasonic Meter Setup Craig Lam	Changes and new developments in meter/regulator/ electronic selection, calibration and maintenance practices - all equipment types David Thai
9:00-9:50					Gas Odorants: Safe Handling, Health and Environmental Concerns Daniel Arrieta	Dresser Electronic Temperature Corrector ES3/ETC Madeline Corb			Pietro Fiorentini Regulators Carlos Uribe	FMG Meters Mark Cangany		Wireless Communications and Data Collection Daniel Osterhout		
10:00-10:50	Exhibit Area Open -Visit Exhibits													
11:00-3:00	Exhibit Area Tear Down													
11:00-11:50	Distribution Gas Meter Proving Greg Germ	Selection and Usage of Coriolis Meters Tonya Wyatt	Flexible Element Regulators Reese Dawes	Troubleshooting Control Valves Jim Green	Odorization Equipment Decommissioning Wesley Lucas	Solving Complex Process-Analyzer Field Problems Peter Cartmell, Selwyn Pandian								Pressure Monitoring Manuel Gonzalez
12:00-1:00	Lunch - Awards - Boise Centre West Junior Ballroom													
1:00-1:30	WGMSC Committee Meetings- Short Course Wrap Up													