

# **56th Analysis Division Symposium 2011**

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International Society of Automation - ISA  
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Phone: (919) 549-8411  
Fax: (919) 549-8288

[info@isa.org](mailto:info@isa.org)

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AD2011.S01	Gas Chromatography Phil Harris
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S01.1	Rethinking, Then Re-engineering, Gas Chromatography Carl Rechsteiner, Molly Carlson, John Crandall, Ned Roques and Brian Rohrback Chevron Energy Technology Co. and Falcon Analytical
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S01.2	Column Switching Simplification In Process Gas Chromatography Ulrich Gokeler Siemens Process Instrumentation and Analytics
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AD2011.S02	Environmental I Steve Smith
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S02.2	Performance of Environmental Monitors for Total Sulfur and High Heating Value of Refinery Flare Vent Gas Systems Timothy Davidson, Rodelio Limfueco, Tony Rodriguez , Nand Khidkikar, David Brewster, Maxine Sauer, Cris Cornell, and Andrew Pierce
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S02.3	Improving Water Quality at a Municipal Water Treatment Plant using an Ethernet Communication System with Analytical Instrumentation Vickie G. Olson Honeywell Field Solutions
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S03.2	TDL Spectroscopy for High Temperature Combustion Control Ketil Gorm Paulsen and Dung Do Dang Neo	
S03.3	Automatic Line Lock of an Insitu Tunable Diode Laser measuring O2 with an internal Reference Cell Warren Dean Siemens Process Instrumentation and Analytics	

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S05.2	Integration of Total Sulfur and Wobbe Index Analysis Using UV Spectroscopy and TDL Oxygen Measurement David Greaves, Sam Rolley, Daniel Murphy, and Andy Burgess Applied Analytics, Inc.	H E

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S06.2	Online Monitoring of Contaminants in Liquefied Natural Gas using Full-Spectrum Spectroscopy David Greaves, Sam Rolley, Daniel Murphy, and Andy Burgess Applied Analytics, Inc.	I J
S06.3	Advancing TDL Technology: Applied Spectroscopy in Service of Process Control Objectives Xiang (Sherry) Liu, Wenhai Ji, Alfred Feitisch, Marc Trygstad & Bill Jenko SpectraSensors	I F

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S07.3	Sour Water Analysis using a Dual-Column Headspace Sampling System	Daniel Murphy, Sam Rolley, David Greaves, and Andy Burgess Applied Analytics, Inc.	FI

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S09.2	The ACA.HF Analyzer: The New Standard In Safety, Simplicity, and Accuracy For Analyzing HF Catalyst Mark Clark, Steve West and Joseph Fillion Invensys	G í
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S09.3	Using a Quantum Cascade Laser to Implement a Multi-Gas Combustion Analyzer Craig Rahn and Robert Bambeck Bambeck Systems Inc.	G í
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S10.2	Particle Analyzer as profit Centers Tod Canty JM Canty, Inc	G í
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S10.3	Looking For Mr. Zero Jim McKinley Kin Tek	G í
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