



## AC&O – Advanced Control & Optimization Users Group Customer Speaker Roster

May 4-7, 2009  
Houston, Texas USA  
Marriott Woodlands Waterway Hotel

<b>Real-Time Optimization</b> <i>Track Chair: Srinivasan Vanchinathan</i>	<b>APC Applications I</b> <i>Track Chair: Venky Venkatraman</i>	<b>APC Techniques I</b> <i>Track Chair: Rob Hawkins</i>
An Update on Dow Chemical's Experience with Real-Time Optimization in Ethylene Plants <b>Presenter: David Starks, Dow Chemical</b>	Revamp of an FCC unit DMC controller <b>Presenter: Robert Martin, Petroplus</b>	Closed Loop Testing and Subspace ID <b>Presenter: Hong Zhao, AspenTech</b>
Makeup Purge System Modeling using Tier Models <b>Presenters: Jeff Pauls &amp; Rahul Bindlish, Dow Chemical</b>	BP Texas City PX1 and PX2 DMCplus Revamp <b>Presenter: Ngoc Le, BP</b>	Frequency analysis for Model mismatch <b>Presenter: Sandeep Lal, Chevron Phillips Chemical Co.</b>
The Importance of Accurate Heat Transfer predictions in Exothermic Plug Flow Reactors for use in AC & O Projects <b>Presenter: Paul Witt, Dow Chemical</b>	Rapid DMCplus Controller Refits After Unit Turnarounds Using SmartStep <b>Presenter: Dennis Cima, Chevron Products Co.</b>	A Rotation Factor for Steady-State Variables <b>Presenter: Doug Robertson, Marathon Oil</b>
Generating real-time automated Process Monitoring information from on-line optimization models in an ethylene unit. <b>Presenter: Unmesh Taskar, CPChem</b>	AspenTech ACP and SSC test at Arkema and Evonik <b>Presenter: Kai Dadhe, Evonik</b>	Maintaining Benefits with PID Watch at PEMEX <b>Presenter: Lucas Reis, AspenTech</b>

<b>Controller Performance Monitoring</b> <i>Track Chair: Srinivasan Vanchinathan</i>	<b>APC Applications II</b> <i>Track Chair: Venky Venkatraman</i>	<b>APC Techniques II</b> <i>Track Chair: Rob Hawkins</i>
One Engineer's Experiences with DMC Performance Monitoring <b>Presenter: Doug Robertson, Marathon Oil Co.</b>	Use of the latest features of DMCplus in 2006.5 in the project <b>Presenter: Ray Coker, BP</b>	Optimization-based test signal design for MIMO identification <b>Presenter: Mark Darby, University of Houston</b>
APC KPI Aggregation <b>Presenter: Jeff Varner, Lyondell Chemical Co.</b>	Implementation of DMC on 2 parallel PP splitters <b>Presenter: Laurent Ferrari, Total</b>	Improving Inferential Models by Pre-Processing Data <b>Presenter: Andrew McIntosh, AspenTech</b>
AspenWatch for the Multi-tasking Control Practitioner <b>Presenter: Christopher Johnson, Chevron</b>	Success of DMCplus in a challenging non-linear control problem: Stabilizing the quench system on an ethylene unit <b>Presenter: Andre Kilian, Applied Manuf. Tech.</b>	Modeling, Identification and, Control of Complex Systems – A New Paradigm <b>Presenter: Srinivas Karra, Texas Tech University</b>
KNPC Refinery controller and IQ models are maintained using AspenWatch based KPIs. The approach resulted in enhanced performance and improved utilization. <b>Presenter: Altaf Khan, KNPC</b>	Implementing DMCplus on Ammonia Plants <b>Presenter: Siva Brahmam, ATME</b>	Application of Digital Filtering for Stable DMC controller design <b>Presenter: Rahul Bindlish, Dow Chemical</b>