



## Preliminary Agenda\*

\*revised 4/6/09

May 4 - 7, 2009

The Woodlands Waterway Marriott  
Houston, Texas

more details to come; subject to change

### 2009 Aspen Engineering Suite (AES) - Worldwide User Conference (Houston)

#### Monday - 4 May 2009

Time	Event
7:00 - 8:30 AM	Continental Breakfast
8:30 - 10:00 AM	
10:00 - 10:30 AM	Refreshment Break
10:30 - 12:00 PM	
12:00 - 1:30 PM	<b>Buffet Lunch &amp; Panel Discussion</b> Panel Moderator: Ric Jackson, Director at FIATECH Guest Panelists from BASF, ExxonMobil, Saudi Aramco, Sunoco, and Technip
1:30 - 3:30 PM	Meet the Experts (Product Managers, Development, and Support Staff)
3:30 - 4:00 PM	Refreshment Break
4:00 - 5:30 PM	<b>AspenTech Welcome - Mark Fusco, President &amp; CEO, Aspen Technology</b> <b>Conference Keynote - James T. Hackett, Chairman, President &amp; CEO, Anadarko Petroleum Corporation</b>
5:30 - 7:00 PM	Solutions Showcase and Reception
7:00 - 9:00 PM	Welcome Dinner

#### Tuesday - 5 May 2009

Time	Group 1	Group 2	Group 3	Group 4
7:30 - 8:30 AM	<b>Group 1</b> Aspen Process Modeling David Tremblay & Glenn Dissinger	<b>Group 2</b> Aspen Economic Evaluation Dan McCarthy	<b>Group 3</b> Aspen Basic Engineering (ABE) Andy McBrien	<b>Group 4</b> Aspen Exchanger Design & Rating (HTFS) Tom Ralston
7:30 - 8:30 AM	Continental Breakfast			
8:30 - 10:00 AM	<b>Aspen Engineering Plenary</b> Engineering Strategy Update and Presentations by BASF, Saudi Aramco, Fluor Chair: Vikas Dhole			
10:00 - 10:30	Refreshment Break			

AM					
10:30 - 12 noon	Using Models in Operations (Customer Presentations) Chair: Ken Dooley	Customer Successes Chair: Dan McCarthy	ABE Business-Level FEED Benefits Chair: Andy McBrien	Introduction EDR (HTFS) Progress Demo: Optimized Design for Thermosiphon Reboilers	
12:00 - 1:30 PM	<b>Buffet Lunch</b>				
1:30 - 3:00 PM	Energy Management (Customer Presentations) Chair: Sanjeev Mullick	Aspen Economic Evaluation Overview What's New in V7 and Roadmap Chair: Ed Mazzorana	ABE Technical Implementations (Customer Presentations) Chair: Andy McBrien	Best Practices (Customer Presentations) Chair: Steve Noe	
3:00 - 3:30 PM	<b>Refreshment Break</b>				
3:30 - 5:00 PM	Conceptual Design for Chemicals: (Customer Presentations) Chair: David Tremblay	Dynamic Modeling and Operator Training (Customer Presentations) Chair: Glenn Dissinger	Aspen Economic Evaluation Tips and Tricks Panel Discussion Chair: Dan McCarthy	ABE Overview and What's New in V7 Chair: Andy McBrien	Aspen HTFS Research Progress HTFS Member Meeting Chair: Tom Ralston
5:00 - 5:30 PM	<b>Break</b>				
5:30 - 7:00 PM	<b>Solutions Showcase and Reception</b>				
7:00 - 9:00 PM	<b>Buffet Dinner</b>				

**Wednesday - 6 May 2009**

<b>Time</b>	<b>Group 1</b> Aspen Process Modeling - Chemicals Dave Tremblay		<b>Group 1</b> Aspen Process Modeling - Energy Glenn Dissinger	<b>Group 2</b> Aspen Economic Evaluation Dan McCarthy	<b>Group 3</b> Aspen Basic Engineering (ABE) Andy McBrien	<b>Group 4</b> Aspen Exchanger Design & Rating (HTFS) Tom Ralston			
<b>7:30 - 8:30 AM</b>	<b>Continental Breakfast</b>								
<b>8:30 - 10:00 AM</b>	What's New in Aspen Plus Product Family Chair: David Tremblay	Emerging Energy 1: Power Generation (Customer Presentations) Chair: Chai Bhat		What's New in Aspen HYSYS Product Family Introduction to CME Chairs: Glenn Dissinger & Steve Dzuik	Dealing with Uncertainty Customer Presentations Chair: Dan McCarthy	Panel Discussion: Owner-Operators Chair: Andy McBrien	Compact Exchangers (Aspen PlateFin & Plate) Demo: Aspen PlateFin Chair: Steve Noe		
<b>10:00 - 10:30 AM</b>	<b>Refreshment Break</b>								
<b>10:30 - 12 noon</b>	Industrial Case Studies (Customer Presentations) Chair: David Tremblay	Emerging Energy 2: Carbon Capture (Customer Presentations) Chair: Chai Bhat	Batch Process Modeling (Customer Presentations) Chair: Jerry Wareck	Refining Track Industrial Examples (Customer Presentations) Chair: Joe Sieben	Oil&Gas Track Digital Oil Field (Customer Presentations) Chair: David Bleakley	Mega Projects Customer Presentations Chair: Dan McCarthy	Best Practices for Implementing ABE (Customer Presentations) Chair: Siva Natarajan	Tubular Exchangers (Shell&Tube, AirCooled and Mechanical) Demo: Shell&Tube Condensation Mass Transfer Chair: Tom Ralston	
<b>12:00 - 1:30 PM</b>	<b>Buffet Lunch</b>								
<b>1:30 - 3:00 PM</b>	Safety & Controllability (Customer Presentations) Chair: James Goom	Simulation Tips & Tricks (Customer Presentations) Chair: Dave Tremblay	Specialty Chemicals and Pharma (Customer Presentations) Chair: Brian Kurowski	Refining Track Reactor Modeling (Customer Presentations) Chairs: Darin Campbell & Steve Dzuik	Oil&Gas Track Industrial Examples (Customer Presentations) Chair: Wim van Wassenhove	Discipline Focus - Electrical Chair: Dan McCarthy	Tutorial - Using Aspen Economic Evaluation Reporter Chair: Ed Mazzorana	Implementation Strategies for ABE (Customer Presentations) Chair: Ron Beck	Value Add Applications - Industrial Examples (Customer Presentations) Chair: Steve Noe
<b>3:00 - 3:30 PM</b>	<b>Refreshment Break</b>								
<b>3:30 - 5:00 PM</b>	Best Practices (Customer Presentations) Chair: Chai Bhat	Round Table Panel Discussions Chair: David Tremblay		Aspen HYSYS Roadmap V8 and Beyond Round Table & Feedback Discussion Chairs: Glenn Dissinger & Steve Dzuik	Discipline Focus - Instrumentation Chair: Dan McCarthy	Tutorial - Modular Construction Techniques Chair: Ed Mazzorana	Panel Discussion: EPC Companies Chair: Andy McBrien	Fired Heaters Demo: Aspen Fired Heater Chair: Vishwas Wadekar	

Thursday 7 May 2009 - Advisory Meeting / Training							
Time	Group 1 Process Modeling						Free Launch Training
7:30 - 8:30 AM	Continental Breakfast						
8:30 - 12:00 noon	Process Modeling Working Group						Aspen PlateFin Technical Workshop
12:00 - 1:30 PM	Buffet Lunch						
1:30 - 5:00 PM	Process Modeling Working Group						Aspen PlateFin Technical Workshop
Friday 8 May 2009 - Advisory Meeting							
Time	Group 1 Process Modeling						
7:30 - 8:30 AM	Continental Breakfast						
8:30 - 12:00 noon	Process Modeling Working Group						

**Wednesday - 6 May 2009**

<b>Group 1</b> Aspen Process Modeling - Chemicals Dave Tremblay		<b>Group 1</b> Aspen Process Modeling - Energy Glenn Dissinger		<b>Group 2</b> Aspen Economic Evaluation Dan McCarthy		<b>Group 3</b> Aspen Basic Engineering (ABE) Andy McBrien		<b>Group 4</b> Aspen Exchanger Design & Rating (HTFS) Tom Ralston		
<b>Continental Breakfast</b>										
What's New in Aspen Plus Product Family Chair: David Tremblay	Emerging Energy 1: Power Generation (Customer Presentations) Chair: Chai Bhat		What's New in Aspen HYSYS Product Family Introduction to CME Chairs: Glenn Dissinger & Steve Dzuik		Dealing with Uncertainty Customer Presentations Chair: Dan McCarthy		Panel Discussion: Owner-Operators Chair: Andy McBrien		Compact Exchangers (Aspen PlateFin & Plate) Demo: Aspen PlateFin Chair: Steve Noe	
<b>Refreshment Break</b>										
Industrial Case Studies (Customer Presentations) Chair: David Tremblay	Emerging Energy 2: Carbon Capture (Customer Presentations) Chair: Chai Bhat	Batch Process Modeling (Customer Presentations) Chair: Jerry Wareck	Refining Track Industrial Examples (Customer Presentations) Chair: Joe Sieben	Oil&Gas Track Digital Oil Field (Customer Presentations) Chair: David Bleakley		Mega Projects Customer Presentations Chair: Dan McCarthy		Best Practices for Implementing ABE (Customer Presentations) Chair: Siva Natarajan	Tubular Exchangers (Shell&Tube, AirCooled and Mechanical) Demo: Shell&Tube Condensation Mass Transfer Chair: Tom Ralston	
<b>Buffet Lunch</b>										
Safety & Controllability (Customer Presentations) Chair: James Goom	Simulation Tips & Tricks (Customer Presentations) Chair: Dave Tremblay	Specialty Chemicals and Pharma (Customer Presentations) Chair: Brian Kurowski	Refining Track Reactor Modeling (Customer Presentations) Chairs: Darin Campbell & Steve Dzuik	Oil&Gas Track Industrial Examples (Customer Presentations) Chair: Wim van Wassenhove		Discipline Focus - Electrical Chair: Dan McCarthy	Tutorial - Using Aspen Economic Evaluation Reporter Chair: Ed Mazzorana		Implementation Strategies for ABE (Customer Presentations) Chair: Ron Beck	Value Add Applications - Industrial Examples (Customer Presentations) Chair: Steve Noe
<b>Refreshment Break</b>										
Best Practices (Customer Presentations) Chair: Chai Bhat	Round Table Panel Discussions Chair: David Tremblay		Aspen HYSYS Roadmap V8 and Beyond Round Table & Feedback Discussion Chairs: Glenn Dissinger & Steve Dzuik		Discipline Focus - Instrumentation Chair: Dan McCarthy		Tutorial - Modular Construction Techniques Chair: Ed Mazzorana		Panel Discussion: EPC Companies Chair: Andy McBrien	Fired Heaters Demo: Aspen Fired Heater Chair: Vishwas Wadekar

Thursday 7 May 2009 - Advisory Meeting / Training						
Group 1 Process Modeling						Free Launch Training
Continental Breakfast						
Process Modeling Working Group						Aspen PlateFin Technical Workshop
Buffet Lunch						
Process Modeling Working Group						Aspen PlateFin Technical Workshop
Friday 8 May 2009 - Advisory Meeting						
Group 1 Process Modeling						
Continental Breakfast						
Process Modeling Working Group						

Tuesday May 5 <sup>th</sup>				
Time	Product Line	Session	Session Speakers	Presentation Title
7:30 AM – 8:30 AM	Aspen	Continental Breakfast		
8:30 AM – 10:00 AM	AES Joint Session for AES	Aspen Engineering Plenary	Vikas Dhole, AspenTech	AspenTech Process Engineering Update & Product Strategy
			Axel Polt, BASF	Value Based Engineering - BASF Experience
			Taher Nemer, Saudi Aramco	Saudi Aramco Modeling & Simulation Strategies
			Ashish Shah, Fluor	aspenONE Engineering

				Adoption - Fluor Experience
8:30 AM – 10:00 AM	ATIMUS	ATIMUS Conference Plenary Chair: Sean DuClaux This session will provide a combined vision from Microsoft and AspenTech for positioning your business to compete in a fast changing world economy with particular interest on lowering costs, adopting best practices and improving performance	Sam Youness, Microsoft  Alison Smith, Aspen Technology	Manufacturing Excellence in a global, volatile economy  Keynote Address: Microsoft's vision for enabling manufacturing excellence in the process industry  Aspen Technology will provide its vision of the future for manufacturing operations management
8:30 AM – 10:00 AM	AC&O	AC&O User Conference Plenary	Robert Golightly, AspenTech John Campbell, AspenTech	Welcome  V7.1 Overview
10:00 AM – 10:30 AM	Aspen	Break		
10:30 AM – 12:00 PM	Aspen Process Modeling Joint Session – Aspen and HYSYS	Using Models in Operations Customer Presentations	David Schuman, Valero  Dan Cutting, Pioneer Resources & James Holoboff, Process Ecology  Kheng Lau, BP	Application of Simulation Models in Operations - A Success Story  Benefits of an Aspen HYSYS-Based Pipeline Surveillance System  Equation-Based Modeling in Aspen HYSYS
10:30 AM – 12:00 PM	Aspen Economic Evaluation	Economic Evaluation Customer Successes	Leo Bonnell, SNC-Lavalin  Sadiq Zaveri, KNPC  Joe Rosenthal, Linde	Engineering Estimates for gasification plants  Significance of Establishing Uniform Cost Estimating Process  Using Aspen Capital Cost Estimator for Process Plants and Proposals

10:30 AM - 12:00 PM	Aspen Basic Engineering (ABE)	ABE Business-Level FEED Benefits	Customer Speaker, (TBD) Ron Beck, AspenTech	Methodology for evaluating before/after and ROI from ABE
10:30 AM - 12:00 PM	Aspen Equipment Design & Rating (EDR)	EDR Welcome and Overview Chair: Tom Ralston	Tom Ralston, AspenTech  Julien Cazenave, AspenTech	Welcome and Introductions  EDR (HTFS) Progress  Demo: Optimized design for Thermosiphon Reboilers
10:30 AM - 12:00 PM	ATIMUS	Enterprise Visibility Chair: Steve Lorenz	Patrice Collie and Rosie Estrada, Dow  John Tobin, Orbis	Applying the ISA S95 Manufacturing Operations Management Model to an Order Execution Management Solution  Realizing the Perfect Plant at Glanbia Food Ingredients
10:30 AM - 12:00 PM	AC&O	AC&O User Conference Plenary Cont.	Paul Turner, AspenTech Glen Dissinger, AspenTech	APC Roadmap ADD Integration
12:00 PM - 1:30 PM	Aspen	Lunch		
12:00 PM - 1:30 PM	CSN	CSN Technology Roundtable Lunch – <b>Members Only</b>		
1:30 PM - 3:00 PM	Aspen Process Modeling Joint Session - Aspen and HYSYS	Energy Management Chair: Sanjeev Mullick Customer Presentations	Brian Finnegan, LyondellBasell  Bob Townley-Smith & Robert McMahon, Huntsman Corp  Hanskarl Borck, KBR	Online Energy Management with Aspen Utilities Operations  Advanced Modeling for Energy Reduction and Other Process Improvements  Improving Steam System Design through Dynamic Modeling
1:30 PM - 3:00 PM	Aspen Economic Evaluation	What's New Overview and Roadmap Chair: Ed Mazzorana	Ed Mazzorana, AspenTech Dan McCarthy, AspenTech	What's New in V7  V8 Roadmap
1:30 PM - 3:00 PM	Aspen Basic Engineering (ABE)	ABE Technical Implementation Papers Chair: Andy McBrien	Doug Weerts, UOP  Customer Speaker 2 Customer Speaker 3	UOP Philosophy on Aspen Basic Engineering backups & Information Security TBD TBD
1:30 PM - 3:00 PM	Aspen Equipment Design & Rating (EDR)	EDR Best Practices - Customer Case Studies Chair: Steve Noe	Len Fabiano, CDI  Peter Ellerby, Cal Gavin	Improving Work Flow Efficiency for Heat Exchanger  Design Using Aspen Plus and Shell&Tube Exchanger Designing Enhanced Heat Exchangers using hiTRAN® Wire Matrix Tube Inserts

1:30 PM - 3:00 PM	ATIMUS	Continuous Improvement and Batch Quality Management Chair: Barbara Solomon	John Knapp, AspenTech  To Be Announced	V7 New Release Training What's New in PM&E for Batch  Achieving Business Value from Batch Management
1:30 PM - 3:00 PM	AC&O	AC&O User Conference Plenary Chair - Venky Chittur	David Stanley  Ruth Fradenburg, AspenTech	Systems Issues & Best Practices Training Strategy
3:00 PM - 3:30 PM	Aspen	Break		
3:30 PM - 5:00 PM	Aspen Process Modeling Joint Session for Chemicals Track	Conceptual Design for Chemicals Chair: David Tremblay	Dr. Robert Chirico, US NIST  Dr. Dorothea Schwartz, Evonik  PANEL	Extension of NIST TDE to Binary Mixture and Phase Equilibrium Data  Back to the future - 20 years with AspenTech  Panel Discussion: Chemical Industry 2020
3:30 PM - 5:00 PM	Aspen Process Modeling Joint Session for Energy Track	Operator Training Chair: Glenn Dissinger	Dean Jones, Hyperion  Ahmed Hamdan, OnSpec	Lifecycle Modeling with HYSYS  Development of an Operator Training Simulator (OTS) and the Benefits of Using Dynamic Modeling and Simulation for OTS in the Oil and Gas Industries
3:30 PM - 5:00 PM	Aspen Economic Evaluation	Tips & Tricks – PANEL Discussion Chair: Dan McCarthy	Harvey Welker, WRE  PANEL	How Aspen Capital Cost Estimator Calculates  Tips and Tricks to Create Good Estimates Panel: Harvey, Mike M, Art B, Ed
3:30 PM - 5:00 PM	Aspen Basic Engineering (ABE)	What's New & Overview - ABE Chair: Andy McBrien	Siva Natarajan, AspenTech  Andy McBrien, AspenTech  Andy McBrien & Ron Beck, AspenTech	Comprehensive coverage of new features in V7.0 & V7.1  Roadmap and Plans for V8.0  Open Standards, ISO 15926 and integration
3:30 PM - 5:00 PM	Aspen Equipment Design & Rating (EDR)	Aspen HTFS Research Progress Chair: Tom Ralston	Vishwas Wadekar, AspenTech  Ray Sacks, Air Products	Aspen HTFS Research Progress  HTFS Member Meeting

3:30PM -4:30 PM	ATIMUS	Tech Briefs Chair: Doug Foulds	Lynn Broomfield, Valero  Dave Bowman, Dow	Applications Using Custom Records and SQL  Upgrading 150 Servers and 3000 Clients... in 3 Weeks
4:30PM -5:30 PM	ATIMUS	ATIMUS Business Meeting: Chair: Lee Richards	ATIMUS Board representatives: Lee Richards, Owens Corning, John Everitt, ITS Chad Crounce, Sasol Doug Foulds, AspenTech	ATIMUS annual business meeting - Meet your new board - Lee Richards - Enhancement priorities - John Everitt
3:30 PM - 5:00 PM	AC&O	AC&O - Business Meeting	Bruce McFarlin, AspenTech	
5:30 PM - 7:00 PM	Aspen	<b>Solutions Showcase Reception</b>		
6:30 PM – 8:00 PM	Aspen	Buffet Dinner		

Wednesday May 6th				
Time	Product Line	Session	Session Speakers	Presentation Title
7:30 AM - 8:30 AM	Aspen	Continental Breakfast		
8:30 AM - 10:00 AM	Aspen Process Modeling - Chemicals Split Session for Chemicals	What's New - Aspen Plus Family Chair: David Tremblay	Selim Anavi/Suphat Watanasiri, AspenTech  James Goom, AspenTech  David Tremblay, AspenTech	What's New - Aspen Plus and Aspen Properties V7.0 & V7.1  What's New - Aspen Plus Dynamics and ACM V7.0 & V7.1  Estimating Relative Costs During Conceptual Design
8:30 AM - 10:00 AM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Emerging Energy 1: Power Generation  Chair: Chai Bhat	Dr. Randall Field, MIT  Dave Litzen, KL Energy Corp	Analysis of Low-Carbon Power Cycles: Geothermal and Pressurized Oxy-Fuels  Benefits of System-Wide Analysis in Ethanol Processes
8:30 AM - 10:00 AM	Aspen Process Modeling - Energy Joint Session for Energy Track	What's New - Aspen HYSYS Family & CME Chair: Glenn Dissinger & Steve Dzuik	AspenTech	What's New in the Aspen HYSYS Product Family - V7.0 & V7.1
8:30 AM - 10:00 AM	Aspen Economic Evaluation Aspen Basic Engineering Joint Session for Economic Evaluation	Dealing with Uncertainty- Customer Presentations  Chair: Dan McCarthy	Rick Richison, S&B Engineering  Daryle Barnhart, CB&I  D. Scott McGeoch, Analytig	Change Management Using Aspen Capital Cost Estimator  Preparing for an Estimate Review  What Information is Really Required to Prepare an Estimate?
8:30 AM - 10:00 AM	Aspen Basic Engineering (ABE)	PANEL - Owner Operators Chair: Ron Beck	TBD	Panel of Top Level Owner Operators
8:30 AM - 10:00 AM	Aspen Equipment Design & Rating (EDR)	Compact Exchangers Chair: Tom Ralston	Vishwas Wadekar, AspenTech  Julien Cazenave, AspenTech	Compact Exchangers (Aspen PlateFin & Aspen Plate)  Demo: Aspen PlateFin Exchanger Program

8:30 AM - 10:00 AM	ATIMUS	Session Product Directions Chair: Sean DuClaux	Doug Foulds, AspenTech  Barbara Solomon, AspenTech  Phil Stanhope, AspenTech	Aspen InfoPlus.21 Family  Aspen Production Record Manager and Execution Manager  Aspen Integration Infrastructure
8:30 AM - 10:00 AM	AC&O	Real-Time Optimization Track Chair: Srinivasan Vanchinathan	David Starks, Dow Chemical  Jeff Pauls & Rahul Bindlish, Dow Chemical	An Update on Dow Chemical's Experience with Real-Time Optimization in Ethylene Plants  Makeup Purge System Modeling using Tier Models
8:30 AM - 10:00 AM	AC&O	APC Applications I Track Chair: Venky Venkatraman	Robert Martin, Petroplus  Ngoc Le, BP	Revamp of an FCC unit DMC controller  BP Texas City PX1 and PX2 DMCplus Revamp
8:30 AM - 10:00 AM	AC&O	APC Techniques II Track Chair: Rob Hawkins	Hong Zhao, AspenTech  Sandeep Lal, Chevron Phillips Chemical Co.	Closed Loop Testing and Subspace ID  Frequency analysis for Model mismatch
10:00 AM - 10:30 AM	Aspen	Break		
10:30 AM - 12:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Industrial Case Studies Chair: David Tremblay	Marija Tasic, University of Nis  Shashank Kapare, Deepak Fertilizers  James Ellis, QNP & Milo Meixell, AspenTech	Simulation of Hydrochloric Acid Hydrolysis of Potato Tuber Mash  Optimization of a C3 Splitter using Steady-State Simulation in Aspen Plus  Ammonia Plant Real-Time Closed Loop Optimization
10:30 AM - 12:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Emerging Energy 2: Carbon Capture Chair: Chai Bhat	Josh Stanislawski, Energy & Environmental Research Center  Debangsu Bhattacharyya, West Virginia University  David Vickery, Dow	Development of Process Models for CO2 Capture Technologies  Plant-Wide Dynamic Simulation of an Integrated Gasification Combined Cycle (IGCC) Plant with Carbon Capture  Modeling CO2 Removal Processes with Aspen Rate- Based Distillation
10:30 AM - 12:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Batch Process Modeling Chair: TBD	James Goom, AspenTech  Eric Cordi, Pfizer  Kedar Gidh, Air Products	Aspen Reaction Modeler: Demonstration and Overview Batch Distillation Predictive  Tools for Pharmaceutical Process Development  A System for Simulating Batch Distillation as part of the Overall Process

10:30 AM - 12:00 PM	Aspen Process Modeling - Energy Split Session for Energy	Refining - Industrial Examples Chair: Joe Sieben	Sander Groenendijk, Fluor  Alex Velikoff, Marathon Oil	Quick Presentation & Evaluation of Aspen HYSYS Simulation Results  Extending Aspen HYSYS Simulations to non-Aspen HYSYS users with Aspen Simulation Workbook
10:30 AM - 12:00 PM	Aspen Process Modeling - Energy Split Session for Energy	Oil & Gas - Industrial Examples Chair: Wim van Wassenhove	Ahmed Hamdan, OnSpec  Megan Evans, ConocoPhillips  David Francis, PSN	The Benefits of Dynamic Simulation in the Design, Operation, and Troubleshooting of Compressors System  Optimizing LNG Plant Design and Operations with Aspen HYSYS and MUSE  Achieve a Dynamic Step Improvement in Safety
10:30 AM - 12:00 PM	Aspen Economic Evaluation Joint Session for Economic Evaluation	Customer Presentations - Mega Projects	Art Byram, KBR  Waymon Lofton, Fluor  Jim Leatherwood, SNC-Lavalin	Adding User Attributes to Aspen Capital Cost Estimator  How Aspen Capital Cost Estimator Aids in Development of Mega Project Estimates  Creating Custom Reports
10:30 AM - 12:00 PM	Aspen Basic Engineering (ABE)	Best Practices for Implementing ABE Chair Siva Natarajan	Drew Dietrich, Worley Parsons  Amy Beall, Shaw Group  Ramman Korpai, IPPD Services	Lessons Learned & Metrics attained in the continuing production use of Aspen Basic Engineering  Status of Global Engineering Design Integration Initiative at the Shaw Group  Configuring Aspen Basic Engineering for effective implementation
10:30 AM - 12:00 PM	Aspen Equipment Design & Rating (EDR)	Tubular Exchangers Chair: Tom Ralston	Steve Noe, AspenTech  Steve Noe, AspenTech	Tubular Exchangers (Aspen Shell&Tube, Air-Cooled & Mechanical)  Demo: Aspen Shell&Tube Condensation Mass Transfer

10:30 AM - 12:00 PM	ATIMUS	Integration with 3rd Party Solutions Chair: Steve Lorenz	Geoffery Thornton, BASF & Dan Lessen, Orobin  Pat Grimm, International Environmental Associates (IEA)  Louis Van Wyk - BluESP	Low Cost LIMS Solution  Environmental Reporting, Sustainability and Carbon Footprint Monitoring  MES implementation for the Implats Mineral Processing Plant - current deployment and global rollout plans.
10:30 AM - 12:00 PM	ATIMUS	Discussion Group - Virtualization Chair: Doug Foulds  Tech Brief	Larry Becker, Dow  Moderator-led group discussion  Eduardo Gruber & Noel Phillips - Aspen Technology	Virtual Machine technology is finding its way to the shop floor  Group Discussion on Virtualization  Using SQLPlus to Determine Tradeoffs in Efficiency and Cost Benefits vs. Data Accuracy
10:30 AM - 12:00 PM	AC&O	Real-Time Optimization Track Chair: Srinivasan Vanchinathan	Paul Witt, Dow Chemical  Unmesh Taskar, CPCChem	The Importance of Accurate Heat Transfer predictions in Exothermic Plug Flow Reactors for use in AC & O Projects  Generating real-time automated Process Monitoring information from on-line optimization models in an ethylene unit.
10:30 AM - 12:00 PM	AC&O	APC Applications I Track Chair: Venky Venkatraman	Dennis Cima, Chevron Products Co.  Kai Dadhe, Evonik	Rapid DMCplus Controller Refits After Unit Turnarounds Using SmartStep  AspenTech ACP and SSC test at Arkema and Evonik
10:30 AM - 12:00 PM	AC&O	APC Techniques I Track Chair: Rob Hawkins	Doug Robertson, Marathon Oil  Lucas Reis, AspenTech	A Rotation Factor for Steady-State Variables  Maintaining Benefits with PID Watch at PEMEX
12:00 PM - 1:30 PM	Aspen	Lunch		

1:30 PM - 3:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Safety & Controllability Chair: James Goom	Dr. Rama Kumar, Jacobs Engineering  Salvador Aldrett, Shell Global Solutions  Kevin Seavey, Dow	Designing Closed Loop Air Systems for the Orion/Altair Lunar Vehical  Aspen Dynamics Relief Benchmarking (Aspen Plus Dynamics vs SAFIRE)  Dynamic Optimization in Dow – User Experiences, Tips, and Case Study
1:30 PM - 3:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Simulation Tips & Tricks Chair: David Tremblay	Ralph Grob, Sasol  Dr. Paul Mathias, Fluor  Hongyi Dang, AspenTech	Coal Gasification (Proposed)  Using Visualization Tools for Column Conceptual Design  Common Tips & Tricks for Aspen Plus
1:30 PM - 3:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Specialty Chemicals & Pharmaceuticals Chair: Brian Kurowski	Chau-Chyun Chen, AspenTech  Brian Kurowski, AspenTech  Brian Kurowski, AspenTech	Aspen Solubility Modeler V7.1: Demonstration and Overview  What's New - Aspen Batch Process Developer  Roadmap for Aspen Batch Process Development

1:30 PM - 3:00 PM	Aspen Process Modeling - Energy Split Session for Energy	Refining Track - Reactor Modeling Chair: Steve Dziuk & Darin Campbell	Kheng Lau, BP Products North America	Hydrocracking Unit Monitoring using the Aspen Hydroprocessing Models
1:30 PM - 3:00 PM	Aspen Process Modeling - Energy Split Session for Energy	Oil & Gas - Digital Oil Fields Chair: Dave Bleackley	Ed Hernandez, Schlumberger  Chuck Stewart, BP	Upstream-Downstream Integrated Simulation Workflow  The BP Trinidad Field Optimizer
1:30 PM - 3:00 PM	Aspen Economic Evaluation Split Session for Economic Evaluation	Discipline Focus - Electrical Chair: Dan McCarthy	Dan McCarthy, AspenTech	Using Electrical with Aspen Capital Cost Estimator
1:30 PM - 3:00 PM	Aspen Economic Evaluation Split Session for Economic Evaluation	Tutorial on Using Aspen Economic Evaluation Reporter Chair: Ed Mazzorana	Mukesh Nagar, AspenTech	Tutorial on Creating and Using Reports
1:30 PM - 3:00 PM	Aspen Basic Engineering (ABE)	Implementation Strategies for ABE Chair: Ron Beck	Rebecca Ward, AVEVA	Electronic handoff between FEED and detailed design

1:30 PM - 3:00 PM	Aspen Equipment Design & Rating (EDR)	Value Added Applications - Industrial Examples Chair: Steve Noe	Tom Rodman, Beaumont Machine Works  Nathalie Schmidt, Air Liquide  Robert Pincus, Dow	Advantages of Using Aspen Exchanger Design Programs  Plate Fin Reboilers  Trouble Shooting Process Exchangers using Aspen Shell&Tube
1:30 PM - 3:00 PM	ATIMUS	Enterprise Visibility Chair: Steve Lorenz	John Tobin -Orbis   Speaker and Company to be announced	An enterprise Manufacturing Intelligence Solution for Visibility of Performance at the Guinness Brewery  MES Chemicals Presentation
1:30 AM - 3:00 PM	AC&O	Controller Performance Monitoring Track Chair: Srinivasan Vanchinathan	Doug Robertson, Marathon Oil Co.  Jeff Varner, Lyondell Chemical Co.	One Engineer's Experiences with DMC Performance Monitoring  APC KPI Aggregation
1:30 AM - 3:00 PM	AC&O	APC Applications II Track Chair: Venky Venkatraman	Ray Coker, BP  Laurent Ferrari, Total	Use of the latest features of DMCplus in 2006.5 in the project  Implementation of DMC on 2 parallel PP splitters

1:30 AM - 3:00 PM	AC&O	APC Techniques II Track Chair: Rob Hawkins	Mark Darby, University of Houston  Andrew McIntosh, AspenTech	Optimization-based test signal design for MIMO identification  Tips & Tricks - Improving Inferential Models by Pre- Processing Data
3:00 PM - 3:30 PM	Aspen	Break		
3:30 PM - 5:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	Best Practices Chair: Chai Bhat	Steve Zitney, NETL  Dr. Michael Dry, Arithmetek, Inc.	Progress Report: Advanced Process Engineering Co- Simulator (APECS)  Modeling the Thermodynamic Behavior of Aqueous Magnesium Chloride at High Concentrations and Temperatures
3:30 PM - 5:00 PM	Aspen Process Modeling - Chemicals Split Session for Chemicals	PANEL Discussions Chair: David Tremblay	Panel 1 Panel 2	Addressing Climate Change Improving the Engineering Workflow
3:30 PM - 5:00 PM	Aspen Process Modeling - Energy Joint Session for Energy Track	Aspen HYSYS Product Family Roadmap Round Table Feedback Discussion	Glenn Dissinger & Steve Dziuk, AspenTech  PANEL  Anjani Singh, AspenTech	Overview of Aspen HYSYS Product Family Roadmap  Customer Feedback/Discussion of Roadmap Content and Priorities  Common Tips and Tricks for Aspen HYSYS
3:30 PM - 5:00 PM	Aspen Economic Evaluation Split Session for Economic Evaluation	Discipline Focus - Instrumentation Chair: Dan McCarthy	Dan McCarthy, AspenTech	Using Instrumentation with Aspen Capital Cost Estimator
3:30 PM - 5:00 PM	Aspen Economic Evaluation Split Session for Economic Evaluation	Modular Construction Techniques Chair: Ed Mazzorana	Sameer Marathe, AspenTech	Modular Construction Techniques
3:30 PM - 5:00 PM	Aspen Basic Engineering (ABE)	PANEL - EPC's Chair: Andy McBrien	Earl Tipton - Technip	PANEL - EPC's (TBD)
3:30 PM - 5:00 PM	Aspen Equipment Design & Rating (EDR)	Aspen Fired Heaters Chair: Vishwas Wadekar	Tom Ralston, AspenTech  Tom Ralston, AspenTech	Aspen Fired Heaters  Demo: Aspen Fired Heater - Improved Wall Temperature Calculations
3:30 PM - 5:30 PM	ATIMUS	Discussion Group - Multi-site MES deployments  Tech Briefs Chair: Steve Lorenz	Multi-company panel to share key learnings  Chad Cronce, Sasol NA	TBD Panel Discussion with several companies sharing practical experiences  Statical Process Control in Process Explorer

			Ron Ristich, Dow	Process to provide a Remote server accessible cross-reference capability
3:30 PM - 5:00 PM	AC&O	Controller Performance Monitoring Track Chair: Srinivasan Vanchinathan	Christopher Johnson, Chevron  Altaf Khan, KNPC	AspenWatch for the Multi-tasking Control Practitioner  KNPC Refinery controller and IQ models are maintained using AspenWatch based KPIs. The approach resulted in enhanced performance and improved utilization.
3:30 PM - 5:00 PM	AC&O	APC Applications II Track Chair: Venky Venkatraman	Andre Kilian, Applied Manufacturing Technologies  Siva Brahman, ATME	Success of DMCplus in a challenging non-linear control problem: Stabilizing the quench system on an ethylene unit  Implementing DMCplus on Ammonia Plants
3:30 PM - 5:00 PM	AC&O	APC Techniques II Track Chair: Rob Hawkins	Srinivas Karra, Texas Tech University  Rahul Bindlish, Dow	Modeling, Identification and, Control of Complex Systems – A New Paradigm  Application of Digital Filtering for Stable DMC controller design

Thursday, May 7 <sup>th</sup>		
Time	Product Line	Session
7:30 AM – 8:30 AM	Aspen	Breakfast
8:30 AM – 11:00 AM	AC&O	AC&O New Release Training V7.1 Training
8:30 AM – 12:00 PM	Aspen Process Modeling	Process Modeling Working Group
8:30 AM – 12:00 PM	Aspen Equipment Design & Rating (EDR)	EDR (HTFS) Introductory Training: New Aspen PlateFin Exchanger Program
10:00 AM – 10:30 AM	Aspen	Break
12:00 PM – 1:30 PM	Aspen	Grab & Go Box Lunches
1:30 PM – 5:00 PM	Aspen Process Modeling	Process Modeling Working Group
1:30 PM – 3:00 PM	Aspen Equipment Design & Rating (EDR)	EDR (HTFS) Introductory Training: New Aspen PlateFin Exchanger Program

Friday, May 8 <sup>th</sup>		
Time	Product Line	Session
8:30 AM - 12:00 PM	Aspen Process Modeling	Process Modeling Working Group