

QA2009 – Fort Worth

Crude/Vacuum Distillation and Coking

NAME	COMPANY	LOCATION
Kevin Bradley	Sunoco	Marcus Hook, PA
Ronald Gonzales	ConocoPhillips	Ponca City, OK
Jeff Zurlo	GE Water & Process Technologies	The Woodlands, TX
Sim Romero	KBC Advanced Technologies	Houston, TX
Vijay Krishnan	CITGO Petroleum	Corpus Christi, TX

FCC

NAME	COMPANY	LOCATION
Jeff Sexton	Marathon Oil	Findlay, OH
Mike McKee	Chevron	Richmond, CA
Michael Zehender	Grace Davison	Houston, TX
Cheryl Joyal	BP	Naperville, IL
Richard Doss	CITGO Petroleum	Lake Charles, LA
Ting Chan	KBR	Houston, TX

Gasoline

NAME	COMPANY	LOCATION
Pete Cooley	Flint Hills Resources	St. Paul, MN
Jonathan Rich	Motiva Enterprises	Convent, LA
Kurt Detrick	UOP	Des Plaines, IL
Russell Brown	Solomon Associates	Dallas, TX
William Kostka	ExxonMobil	Fairfax, VA
Becca Bundick	Mustang Engineers	Houston, TX

Hydroprocessing

NAME	COMPANY	LOCATION
Jimmy Laurito	Marathon Oil	St. Paul Park, MN
Allan Arbo	Irving Oil	NB, Canada
Bill Bandy	Tesoro Petroleum	Mandan, ND
Ujjal Mukherjee	Chevron Lummus	Bloomfield, NJ
Dave Pappal	Valero Energy	San Antonio, TX
Steve Wiseman	Axens	Houston, TX

Panelist biographical outlines are available for your review. See below.

Crude/Vacuum Distillation and Coking

Kevin Bradley, Sunoco, Inc,

Ron Gonzales, ConocoPhillips, currently assists in leading the ConocoPhillips' Crude and Fractionation network which consists of engineers from all of the company's refineries. In this role, Ron is involved in the design, troubleshooting, optimization, and benchmarking of the crude and vacuum units, as well as fractionators used in various other services throughout the corporation. During his 17 years with the company, he has also held positions in controls, and modeling. Prior to joining the corporate engineering staff in 2002, Ron worked in operations at the Billings, Montana refinery for 10 years, with focus on the crude/vacuum, FCC, and hydrotreating units. He holds an AS in Engineering from Northern Oklahoma College.

Vijay Krishnan, CITGO Petroleum, presently is working as Senior Refining Consultant in the technical department of CITGO Refining & Chemicals, L.P. Corpus Christi Refinery after joining in December 2008. He was in UOP LLC, a Honeywell Company in the engineering, Refining and Petrochemical Services and the Continuing Services Department of UOP for more than 12 years providing technical service for UOP technologies in the refining and petrochemical plants and has consulted on profit improvement in refineries and petrochemical plants around the world.

Prior to this he worked for PDVSA at several refinery sites in Venezuela and Curacao in various technical and management capacities for 15 years and has been associated with many heavy oil and conversion projects and operation of refineries and petrochemical plants. He worked in Canada for 8 years in engineering and operations technical services including at Syncrude Canada.

He is a 1970 graduate Chemical Engineer from BITS, Pilani, India.

Sim Romero, KBC –

Jeffrey Zurlo, GE Water & Process Technologies -

FCC

Ting Chan, KBR –

Richard Doss, CITGO -

Cheryl Joyal, BP, is the FCCU Technical Consultant for BP Refining Technology located in Naperville, IL. She provides technical and operating support for 11 fluid catalyst cracking units with a specialty in the area of FCCU Catalyst and Environmental technologies. She has spent most of her 22 years with Amoco/BP in the FCCU area and has held various central and site positions including operations engineer, refinery and chemical plant unit supervision, and refinery technology consultant before being appointed to her central global role. Cheryl holds a BSChE Engineering/French from Carnegie-Mellon University, and an MSChE/PhD from Northwestern University.

Mike McKee, Chevron, FCC Process Expert for Chevron Global Downstream, Richmond California, is responsible for technical support, technology application and business improvement for Chevron's global FCC units. He is also responsible for Chevron's various FCC customer-supplier relationships. Mike holds a BSChE from the University of California at Davis and has 25 years of experience in the petroleum refining industry.

Jeff Sexton, Marathon Oil Corporation, is the Cat Cracking technologist for Marathon Oil Company located in Findlay, Ohio. He is responsible for FCC technical and operating performance across Marathon's seven refinery system. This includes responsibility for technology selection, optimization, catalyst selection, environmental performance, reliability and unit debottlenecking. Marathon has revamped all seven units resulting in an increase of system capacity by 25% while maintaining 98% mechanical availability during Jeff's tenure. Jeff previously worked for UOP in a variety of FCC assignments and has worked on over 40 different FCC units around the world. He has authored over 20 technical papers, holds six pending patents and has made several presentations at the NPRA and other industry forums. Jeff is the currently chairman of the U.S. EPA Consent Decree FCC Technical Team and PSRI Technical Advisory Committee.

Jeff holds a BSChE from Rose-Hulman Institute of Technology.

Michael Zehender, Grace Davison, is the National Technical Sales Manager for Grace FCC Catalysts in Houston, Texas. He is responsible for technical service and sales of FCC catalysts to customer accounts in North America. He has experience at refineries in North America and all of Asia.

Mr. Zehender holds a BSChE degree from the University of Cincinnati and has 20 years experience in the petroleum processing industry and 16 years experience with FCC units. He has worked for HOVENSA LLC and Valero energy and has nine years with Grace.

Gasoline

Russell Brown, Solomon Associates, has been serving the Refining Industry since 1990 when he began his career as a Senior Engineer with Conoco in R&D. Today, he oversees Solomon's consulting efforts in the Refining Industry, focusing on helping Fuels Study clients achieve sustainable improvement by maximizing margins on existing assets. Prior to accepting this position, Russell led Solomon's APC/Automation practice, co-authoring the Worldwide Refining APC/Automation Study. Additionally, Russell participated as a team member on performance improvement initiatives in the refining industry, serving as process control expert and light oils processing expert.

Throughout his career, Russell has focused on using mathematical and statistical techniques to develop innovative and profitable solutions for clients. Russell is a licensed PE in the state of Oklahoma.

Becca Bundick, Mustang Engineers, is a Senior Consulting Process Engineer for Mustang Engineers and Constructors, L.P., Houston Texas. Her experience includes process design ranging from front-end studies to detailed process design for petroleum refining projects.

Becca holds a BSChE from Texas A&M University and has been with Mustang for 12 years.

Pete Cooley, FHR, is a Senior Product Coordinator (Scheduler) for Flint Hills Resources refinery, Pine Bend, MN. He is currently responsible for product blending and optimization, product quality, and process engineering support in the tank farm area. He has five years of refinery experience as a process engineer in the sulfuric acid alkylation, fixed bed and CCR reforming, naphtha hydrotreating, and isomerization process units. He also has four years of experience in the gasoline blending and products distribution area.

Pete holds a BS degree from the University of Minnesota.

Kurt Detrick, UOP, is a Process Specialist in the Operating Technical Services department of UOP in Des Plaines, Illinois. He is responsible for technical support for UOP-licensed HF Alkylation, Detergent Alkylation, and light paraffin Isomerization units around the world.

Mr. Detrick holds a BSChE from Iowa State University and has over 28 years of experience in the hydrocarbon processing industry.

Bill Kostka, ExxonMobil, is the Group Lead for Reforming and Isomerization for ExxonMobil Research and Engineering Company, Fairfax, Virginia. He is responsible for all aspects of reforming and isomerization R&D, catalyst management and technical support, and also leads an IP team for light hydrocarbon upgrading. He has experience with refineries throughout the world.

Mr. Kostka holds BSChE, a MSChE, and a Ph.D. from Purdue University. After graduation, he worked first for Mobil Research and Development Corporation in Paulsboro, New Jersey until Mobil merged with Exxon in 1999. He has over 28 years of experience in the hydrocarbon processing industry.

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Jonathan Rich, Motiva Enterprises, is a Process Engineering Technical Specialist for the Motiva Enterprises Refining Company, Convent Louisiana. He is responsible for technical support and oversight for refinery optimizations involving hydroprocessing , margin optimization and energy utilization and also serves as a mentor for process engineers.

Jonathan holds a BSChE from Oklahoma State University and has over 23 years of experience in the hydrocarbon processing industry at several refineries in the United States.

Hydroprocessing -

Allan Arbo, Irving Oil, is Front End Engineering & Design Manager for Irving Oil Limited in Saint John, New Brunswick, Canada. He began his career with Irving as a process engineer on the hydrocracker, hydrogen plant and HDS units, followed by three years on-shift as a field and console technician on several hydroprocessing and other refinery units. Over the past decade Allan has provided leadership to, and managed the front end definition on the majority of the hydroprocessing, FCCU & other capital upgrade projects including the recent ULSD program. Allan is currently part of the development team working on the proposed new Irving “Eider Rock” Refinery in Saint John.

Allen holds a BSChE from the University of New Brunswick, and has over 18 years of refining experience in operations, technical management / support, and major capital project development.

Bill Bandy, Tesoro, is the Technical Manager at Tesoro Refining and Marketing Company’s Mandan, ND petroleum refinery. He previously worked as a Hydroprocessing Consultant for Tesoro’s refineries and as a Process Engineer responsible for several hydrotreater revamps at the Mandan refinery.

Mr. Bandy holds a Ph.D. in Chemical Engineering from the Colorado School of Mines, a M.Eng. from Clemson University, and a B.Sc. from Rose-Hulman Institute of Technology. He is a licensed Professional Engineer and has worked in the refining industry for 17 years.

Jimmy Laurito, Marathon Oil Corporation, is the Technical Services Manager at the Marathon Petroleum Company St. Paul Park, MN refinery. He has served the company in numerous roles including operations supervision, project engineering, and process support at the company’s Kentucky and Louisiana refining divisions. Throughout his career with Marathon he has typically been responsible for some aspect of hydroprocessing. Prior to joining Marathon, he was employed by Bryan Research & Engineering and PCI Engineering. Mr. Laurito holds a B.S. in Biochemistry and a BSChE from Texas A&M University.

Ujjal Mukherjee, Chevron Lummus, is the Technology Director for Chevron Lummus Global. He has worked in refining and petrochemicals for twenty-eight years of which the last eighteen years have been in high-pressure hydroprocessing involving process development, engineering, and operations. Ujjal has worked in projects in the Americas, Europe, Middle East, Asia, and Africa. His special area of expertise is technology development in residue and distillate hydrocracking. Ujjal has several patents in high-pressure hydroprocessing and has authored chapters on hydrocracking. Ujjal holds a BSChE, an MSChE, and an MBA.

Dave Pappal, Valero –

Steve Wiseman, Axens, is the Manager of Technical Services for Axens North America, Houston, Texas. Steve is responsible for the technical support for all of the Axens licensed units and catalyst sales in North America, Mexico and Columbia. He was previously with Akzo Nobel Catalyst / Albemarle for 15 years and prior to that with Valero Refining Company and Sinclair Oil Corp. Steve received his BSChE from the University of Kansas.