

Aram Asdourian is the Lead Process Engineer at the Sunoco Philadelphia Refinery where he manages a team of engineers providing Technical Support for the FCCU's, hydrotreaters and crude/vacuum distillation units. He has worked in the refining industry for 19 years in various technical roles with Tosco Refining; Hess Oil, Virgin Islands; and Sunoco.

Aram holds a BS in Chemistry/Biology from West Chester University, a BS in Chemical Engineering from Drexel University and a MBA from Villanova University.

Shaun Boardman is the Group Manager for Hydroprocessing for Jacobs Consultancy. He has over 24 years of experience in oil refining, including refinery operations, hydrotreating catalyst applications, process optimization, process design and refinery reconfiguration analysis.

Shaun holds a BSChE from the University of Natal's Howard College in South Africa.

Bill Cates is a Senior Refinery Engineer at Hunt Refining in Tuscaloosa, Alabama where he consults to any refinery department requiring operating or process engineering expertise. Bill worked at Cross Oil in Smackover, Arkansas for 21 years holding positions as Project Engineer, Process Engineer, Maintenance Manager, Engineering Manager and Operations Manager. During the majority of his tenure there, he was the only engineer on staff and functioned as the mechanical engineering, civil engineering and inspection departments in addition to the technical process adviser and troubleshooter to the operations personnel.

Bill has a BS in Chemical Engineering from Louisiana Tech University.

Paul Ceccato is a Senior Technical Services Engineer for Criterion Catalysts & Technologies with over 18 years of experience in hydroprocessing technology. Prior to joining Criterion, Paul held numerous refinery positions in Technical Services, Process Engineering, and Operations supervision which focused on hydrotreating, hydrocracking, coker and FCCU operations. Other assignments included project and turnaround production planning and mechanical reliability coordination. With Criterion, Paul supports catalytic applications in the areas of hydrotreating, hydrocracking, tail gas treatment and reforming. He is responsible for specifying catalytic systems, monitoring, troubleshooting and optimizing process unit performance, establishing operational procedures, and participating in the design and revamp of new and existing hydrotreating units.

Paul has a BSChE from the University of California at Berkeley.

Brian Doerksen is Principal Engineer in Refining Technical Services, Coke Technology for ConocoPhillips where he has worked for 27 years. He began in the Central Engineering and Maintenance Engineering departments in Ponca City, Oklahoma, mainly supporting CoP's coking units, and coker licensing work and then spent 13 years in the

Westlake, Louisiana refinery in positions ranging from engineering to Maintenance Superintendent.

Brian has a BSME from Kansas State University.

Tina Drumheller is the Process Safety Manager for the Frontier Refining, El Dorado facility. Since coming to Frontier, she has held a variety of positions in process engineering and operations. Prior to that, she worked in chemical manufacturing operations.

Tina holds a BSChE from Arizona State University.

Gary Everett is Senior Refining Consultant for Houston Refining L.P. a Lyondell Company in Houston, Texas. In his current position he is responsible for providing strategic technical guidance to Houston Refining management and Lyondell Chemical corporate staff responsible for this major, heavy sour crude refinery complex. Prior to this assignment Gary managed the Process Design and Technology group which provided process engineering support for major projects like RFG and ULSD fuels projects. Most of the 35 years experience with ARCO and Lyondell has been focused on hydroprocessing technologies, many of which have been licensed worldwide while Gary was Director of Technology Licensing for Lyondell.

Gary holds a BSChE from Michigan State University and a MSChE from Illinois Institute of Technology.

Pedro Fernandez is a Group Manager for Jacobs Consultancy. He has over 25 years experience in research, development, and supply of process technology for the petroleum, petrochemical, and gas processing industries. His responsibilities have ranged from process unit startups and technology design, to business and project development and management. Recent project assignments have involved the analysis and conceptualization of alternative gasoline production and refinery configuration strategies. Prior to joining Jacobs Consultancy, he held a variety of technical and management positions at UOP.

Mr. Fernandez holds a BSChE from Universidad Autonoma Metropolitana in Mexico and a MSChE from the University of Delaware.

Kleber Hadsell is a senior process engineer for Tesoro Corporation at their Mandan, North Dakota refinery and has 21 years of experience in the petroleum refining industry. During that time he has held assignments including refining research and development; operations engineering in alkylation, isomerization, reforming, FCC, and crude distillation; economics and scheduling; and capital project development. Kleber received a BS in Chemistry from Colorado State University and a MS degree in Chemical Petroleum and Refining Engineering from the Colorado School of Mines.

Scott Harper was recently promoted to the position of Superintendent – Process Technology at Consumers’ Co-operative Refineries Limited (CCRL), Regina, Saskatchewan, Canada. In this role Scott oversees the work of both the Process Control group and the Process Engineering group. He began his career as a Unit Operations Engineer with CCRL and spent over 12 years in the Operations Department. During that time he was responsible for monitoring and advising on the day-to-day operations of the naphtha hydrotreaters, isomerization unit, catalytic reformer, hydrocracker, atmospheric residuum desulphurization unit, hydrogen plants, sulphur plant, sour water stripper, DGA reclamation, crude and vacuum units, and the gas-oil hydrotreater. During his career Scott has also worked as a unit area maintenance supervisor for 13 maintenance turnarounds.

Scott graduated with a BSChE from the University of Calgary in 1990.

Rex Heater is a Senior Account Manager for BASF Catalysts where he provides sales and technical support to FCC customers throughout the US. Rex has 34-years of experience in the refining industry beginning with Conoco where he was a Process Engineer at the Ponca City refinery and then at the Billings refinery. While with Conoco, Rex was assigned to a number of refinery units and was involved with several projects, including a coker/calcliner expansion. In 1976 Rex joined Farmland Industries at their Coffeyville, KS refinery. At Farmland Rex served in a number of positions from Process Engineer to Refinery Superintendent.

Rex has a BSChE from the University of Kansas.

Regan Howell is currently Process Engineering Manager for Holly Refining & Marketing at the Woods Cross, UT refinery where he is responsible for the Process Engineering group. He has held various engineering, planning & economics, and operations positions in small-to-mid-size refineries. He spent five years redefining maintenance practices and implementing Computerized Maintenance and Materials System (CMMS) packages; first as an operations supervisor in a refinery and later as a project manager for a software company. He has experience with FCCs, crude distillation, SRUs, utilities and wastewater, hydrotreating, solvent deasphalting, and aromatics extraction.

Regan holds a BSChE from the University of Utah.

Yvonne Jeanneret is the Process Technology Manager at CITGO Petroleum’s Lemont, Illinois refinery. She is responsible for the Operations Process Engineering Group, Process Design, and Process Technologists. Yvonne has 25 years of experience in process design, operations engineering, operations area management, strategic planning, and planning and economics management.

Yvonne holds a BSChE from the University of Wisconsin, Madison.

Edward Lowe is Superintendent for the catalytic reforming, HF alkylation, and sulfur recovery units at Pasadena Refining's Pasadena, TX refinery. Edward has over twenty years experience in the chemical industry working for world class chemical manufacturing organizations and has been Plant Manager for several facilities. His experience includes production, maintenance, and process safety management.

Edward has a BS degree in Commerce & Engineering from Drexel University and a BSChE from the New Jersey Institute of Technology.

Eberhard Lucke is the Process Design Manager of the Delayed Coking group for CB&I. Eberhard has more than 16 years of experience in the oil refining industry, of which 14 have been dedicated to delayed coking. He started his career with Veba Oel AG in 1991 as a technical engineer and was eventually named unit engineer of the delayed coker's operations team and was responsible for day-to-day optimization, monitoring, energy optimization, troubleshooting, operator training and operations scheduling. Eberhard has a MSChE from the University of Essen, Germany.

Greg Mullins is currently the Technical Services Manager at Marathon's Detroit Refinery where an expansion project increasing capacity by 30% and producing 100% low sulfur fuels was recently completed. During his career, he has held various positions including process and project engineering as well as technical and operational supervision and management. Greg is a member of AIChE and Chairman of the Wayne State University Chemical Engineering Industrial Advisory Board.

He holds a BSChE degree from Wayne State University.

Paul Norton is the Crude Unit Specialist for Sunoco R&S. He is responsible for coordination of standard crude unit practices across Sunoco facilities, and the identification of crude unit capital projects that are aligned with the company's strategic operating goals and its vision of top tier performance in safety, reliability and energy utilization. He has 30 years of experience in refining, starting his career in Operations, moving into the Technical Services Dept., and on to process design within the Engineering Dept. where he was responsible for grassroots designs as well as significant revamps of existing units. He has 15 years of experience in refinery Technical Services covering a wide variety of units including crude, and vacuum units, and 12 years of experience in process design.

Paul holds a BSChE from Drexel University.

Randy Rehtien is a Senior Technical Support Engineer for Baker Petrolite Corporation in St. Louis, Missouri. In his current position, he is responsible for optimizing and troubleshooting refinery additive applications with an emphasis on corrosion control programs. During his 17-year career, he has implemented process improvements in a wide range of refinery areas, including crude units, FCCU's, hydroprocessors, cokers and finished fuels. Prior to his tenure with Baker Petrolite, he worked as a Technical Service

Engineer for AEA Technology-Hyprotech where he employed simulation modeling techniques to enhance the performance of refinery and petrochemical processes. Randy is a member of AIChE and NACE and has authored or co-authored several publications.

Randy holds a BSChE from Rice University in Houston, Texas.

Jay Ross is a technology manager covering the field of transportation fuels including FCC, catalytic reforming, isomerization and biodiesel production. He has over 25 years of experience in the refining and petrochemical industries including process engineering design, R&D, licensing and technical assistance.

He has served on NPRA and ERTC expert panels and has authored several patents and numerous technical papers and articles.

Jay holds a BSChE degree from Princeton University.

Ralph Thompson is Senior Process Engineer, Chevron Corporation, El Segundo, California. Ralph provides advanced process support in the FCCU and alkylation areas for the El Segundo refinery. He also provides training, troubleshooting, environmental, project, and startup support for Chevron's other North American FCCUs. Prior to joining Chevron in 1991, he was the Technical Services Manager for the Sinclair Refinery in Sinclair, Wyoming. His 30+ year career has also included process engineering positions with Exxon in the areas of refinery process design and technology development.

Ralph has an MSChE from the University of Wyoming.

Pat Walker is a member of UOP's FCC Operating Technical Services group. Pat has 15 years international experience with design and operation of FCC units. Pat's experience includes basic engineering, process and project design of FCC unit reactors, regenerators, main columns and gas concentration units for new units and revamps, as well as process design studies and proposals. Pat's current responsibilities include home office support for checkout and commissioning of new and revamped FCC units, troubleshooting, and training. Pat also provides technical service support to UOP's engineering, research and project sales activities.

Michael Wardinsky is the FCC Network Lead for ConocoPhillips Refining Technology Services group, based in Ponca City, Oklahoma. His current responsibilities include the development, implementation and sharing of best practices for seventeen FCCU's operated by ConocoPhillips and conducting benchmarking studies and facilitating FCC unit reviews to identify improvement opportunities.

Michael received a BS in Chemistry from the University of Washington and MS and PhD degrees in Chemical Engineering from Brigham Young University.