

2019 SPE Distinguished Membership Recipients



Dhafer A. Al-Shehri is the Chairman of the Petroleum Engineering Department and a faculty member within the College of Petroleum Engineering and Geosciences at King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia. He has more than thirty years of experience in oil and gas

industry as well as academia. With Saudi Aramco for 18 years (1996-2014), he assumed leading technical and management positions within upstream operations, engineering and field development. He has been an active SPE member throughout his career, served in many technical and organizing committees for SPE and other technical events, and has authored more than 50 papers in peer reviewed technical journals, regional and international conferences. He was also keynote speaker to several SPE workshops Dhafer received BSc and MSc degrees from KFUPM and PhD from Texas A&M University. He has also earned an EMBA degree from KUPM.



Vasile Badiu as a Senior Researcher is a thought leader in numerical reservoir simulation and integrated geology, geophysics and reservoir simulation workflow using own software and international software technologies. Badiu began his career in 1972 as a junior researcher at the

Institute for Research and Technology (ICPT) Câmpina. He held numerous management positions during his research career, including the Editor-in-Chief of Romanian Journal of Petroleum at OMV Petrom E&P. After his retiring from ICPT Câmpina in 2010, Vasile dedicated his entire research activity to volunteering with SPE and other professional organizations, receiving numerous awards, appreciations and Diplomas of Excellence in Scientific Research for his outstanding contributions in petroleum industry. He received a master's degree in Mathematics-Mechanics and Computer Science at University of Iasi,



Baojun Bai is a professor and the holder of the Lester R. Birbeck Endowed Chair in Petroleum Engineering Program at Missouri University of Science and Technology. His research areas include EOR, conformance control, CO₂ sequestration and characterizations of fluid flow in unconventional reservoirs.

Bai has pioneered the preformed particle gel (PPG) conformance control technology, which has been successfully applied in more than 10,000 wells in mature oilfields to control water production and improve oil recovery. He has seven years of industry experience as a reservoir engineer and the head of conformance-control Team for Research Institute of Petroleum Exploration and Development (RIPED), PetroChina. Bai has published more than 170 papers in peer-reviewed journals and over 110 papers in SPE conferences, and served on numerous technical committees, and as an associate editor. Bai was a post-Doctoral scholar at the California Institute of Technology before he joined Missouri S&T as a faculty member in 2006. He holds PhD degrees in Petroleum Engineering from New Mexico Tech and in Petroleum Geology from China University of Geoscience-Beijing.



Sameeh Batarseh is a Consultant and the Unconventional Resources (UR) focus area champion at Saudi Aramco's Advanced Research Center, based in Dhahran, Saudi Arabia. His expertise and research encompass different aspects of the upstream Oil & Gas business, from reservoir management to production. Batarseh is world-renown for his pioneering work in laser-rock interaction, and he is the global expert in downhole high power laser technology. Before that, Batarseh was managing a heavy-oil field at Aera Energy in Bakersfield, California (USA). He authored and co-authored more than 75 technical papers in journals and international conferences. In addition, he conducted over 54 technical workshops and taught several SPE courses. He is inventor and co-inventor of over 43 patents. He is also a technical editor for 5 journals, mentor for several young professionals and SPE Mentor. Batarseh holds a PhD in Petroleum Engineering from the Colorado School of Mines, Golden Colorado.



Mark Brinsden is President of Vektor Energy Inc., a technology consultancy. He has held several positions since he first joined the industry 39 years ago with Schlumberger, followed by Prodrill and Expro Group. After leaving Shell in 2018, where he was the Principal Technical Expert in Perforating, he founded Vektor

Energy Inc. to progress his passion for technology, especially in the areas of energetics for enhanced production and well integrity. He is the Chair of the API SC19B perforating committee, co-founder and President of the International Perforating Forum He served on industry committees, SPE committees, as a technical editor, and as a Distinguished Lecturer. Brinsden has presented numerous papers at conferences. He is an enthusiastic inventor with several patents in perforating and energetics. He received a BSc from Edinburgh University in Geology in 1979.



Frank Chang is a Petroleum Engineering Consultant at Saudi Aramco, which he joined in 2012. He started his career with Stimlab in 1992 as a Senior Engineering Specialist. In 1996, he joined Schlumberger, in which he worked through the ranks of Development Engineer, the Principal

Engineer, to the Engineering Advisor over the 16-year period. He has served many SPE committees and sub-committees spanning over 27 years. He was a winner of the 2015 A Peer Apart award, an award that celebrates the dedication of technical editors who reviewed more than 100 papers for the SPE journals. He is an 8-time recipient of the SPE Production & Operations Journal outstanding technical editor award from 2006 to 2017. Frank is now serving as the Executive Editor of the SPE Production and Operations Journal from 2017 to 2020, and a JPT editorial committee member on Stimulation Technology Focus from 2017 to 2019. Chang earned his Bachelor of Science degree in Mineral and Petroleum Engineering from the National Cheng Kung University in Taiwan, where he was born and raised. He went to the US for postgraduate degrees in 1985 and earned his Master's degree in Petroleum Engineering from the University of Southwestern

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Louisiana in 1987, and PhD degree in Petroleum Engineering from the University of Oklahoma in 1992.



Anil Chopra is the Founder and CEO of the PetroTel Group. He started his professional career in 1982 at Amoco Production Company's Research Center in Tulsa, Oklahoma. In 1988, he worked for ARCO Exploration and Production Technology in Plano, Texas as the Director of the Reservoir Characterization

group, where he received ARCO's Outstanding Technical Achievement Award in 1995. Chopra has authored or co-authored over 35 technical papers. He has made numerous contributions in CO₂ flooding and sequestration, miscible gas injection, reservoir simulation, reservoir characterization, reservoir management, analytics, and artificial intelligence to optimize petroleum development. His extensive SPE service includes acting as member and chair of numerous committees and serving as a speaker and panel member at conferences. Chopra obtained his Ph.D. from the University of Houston, Houston, Texas, USA and a Bachelor's degree from the Indian Institute of Technology, Kanpur, India, both in Chemical Engineering.



Dave Cramer is a Senior Engineering Fellow on the ConocoPhillips Global Completions Engineering staff in Houston, TX and specializes in hydraulic fracturing applications. He has served SPE as a member or chair of committees and sections, and received accolades from the industry. Dave has published 52

technical papers and holds 2 U.S. patents. He has lectured at SPE and other industry technical functions on 185 occasions. Dave was an SPE Distinguished Lecturer in 2003-2004 with the topic "Evaluating Well Performance and Completion Effectiveness in Hydraulically Fractured Low-Permeability Gas Wells." He was the SPE Region Director for the U.S. and Canada Rocky Mountain region from 2004-2007. Dave graduated with B.A. from Rutgers College, Rutgers University, New Brunswick, NJ, receiving high honors and departmental distinction in economics (1977). He is a registered Professional Engineer in Colorado.



Eric Delamaide is a reservoir engineer with over 25 years of experience who specializes in Enhanced Oil Recovery and heavy oil. He is currently General Manager of IFP Technologies (Canada) Inc. in Calgary as well as the Manager EOR, Americas for the EOR Alliance. He joined IFP (Institut Français du Pétrole) in 1990 before moving to

Calgary in 1999 to run its Canadian operations. Eric has worked in over 25 countries and been involved in various capacities in over 40 EOR projects including 20 polymer floods. He is currently a Principal engineer and lead EOR expert; in that capacity he supports and leads EOR projects worldwide. Eric has published over 60 papers on reservoir engineering and EOR and has served on multiple conference technical committees and workshops. Eric has a degree in chemical engineering from the School of Mines in Saint Etienne, and a Master in Petroleum Engineering from the IFP School, both in France.



Hosnia S. Hashim is Chairman of the Board of Kuwait Petroleum Corporation – Energy Venture Co, the first-ever woman appointed as a director of an oil and gas asset producing 700,000 BOPD in the State of Kuwait, making her a pioneer role model for women in the Middle East and the world. She also served as Deputy

Chief Executive Officer of the Petrochemical Industries Company, for (Olefins and Aromatics), the Vice President of Operations of Kuwait Foreign Petroleum Exploration Company (KUFPEC) in 2013 and was Deputy Managing Director of the North Kuwait asset of Kuwait Oil Company (KOC). In March 2019, she was ranked as one of the top 3 best women in the world for her outstanding achievements in the Government Public Sector at the local and global levels in the International Women's Award Ceremony, and was also ranked as one of Forbes's most Powerful Top 30 Women. She received a degree in Chemical Engineering from Kuwait University.



Zoya Heidari is an Associate Professor in the Hildebrand Department of Petroleum and Geosystems Engineering at The University of Texas at Austin. Before joining The University of Texas at Austin, she was an Assistant Professor at Texas A&M University in College Station from September 2011 to August 2015.

Zoya was the founder and the director of the Texas A&M Joint Industry Research Program on "Multi-Scale Formation Evaluation of Unconventional and Carbonate Reservoirs" from 2012 to 2015. She is the founder and has been the director of The University of Texas at Austin Industrial Affiliates Research Program on "Multi-Scale Rock Physics" since 2016. Zoya has supervised twenty-six graduate students since 2011 and published more than 140 papers in peer-reviewed journals and conference proceedings. Her research interests include Petrophysics, Rock Physics, Multi-Scale Formation Evaluation, Borehole Geophysics, Integrated Reservoir Characterization of Carbonates and Unconventional Resources, and Completion Petrophysics. She received a PhD in Petroleum Engineering from The University of Texas at Austin.



Mars Khasanov is the Head of Gazprom Neft Technology Directorate and the General Director (CEO) of Gazprom Neft Science and Technology Centre. Prior to joining "Gazprom Neft", he served as Vice President of Science and Director of Corporate Technology Center at "Rosneft" Oil Company. He is the author

of 216 research papers, including articles in OnePetro, 5 monographs, over 60 patents, and the developer of more than 20 software products. He also has 60 patents. His professional interests include fluid flow in heterogeneous petroleum reservoirs, multiphase flow in reservoir and wellbore, economics of hydrocarbon development and recovery, application of systematic approaches to selection of well pattern density, completion and artificial lift technology, and production enhancement and optimization. He has served SPE supporting Russian and Caspian Region. He holds a degree in Physics, a PhD in Liquid and Gas Mechanics and Doctor of science from Bashkir State University, and a Professorship.

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Kenneth R. Kibodeaux is a Petroleum Engineering Consultant at Aramco Research Center – Houston where he works on the Reservoir Engineering Technology Team performing experimental and modeling research on recovery mechanisms in unconventional and EOR. He previously spent 14 years with Shell, first in The Netherlands on the international ARMUR team (Advanced Recovery Methods & Unconventional Resources), and then in Houston, developing EOR processes for oil shale. Prior to Shell, Kibodeaux was with Texaco E&P Technology supporting their worldwide heavy-oil business. He has over 30 years of experience in technology development and global deployment in thermal recovery, foam EOR, gas/water injection EOR, rock & fluid analysis and modeling, reservoir simulation, heavy oil, shales, and fractured reservoirs. Kibodeaux is a 30-year Senior Member of SPE who served two terms on the SPE Journal Editorial Board and was awarded Outstanding Technical Editor during each term. Kibodeaux holds B.S., M.S., and Ph.D. degrees in Petroleum Engineering from The University of Texas at Austin.



István Lakatos is professor emeritus of the Research Institute of Applied Earth Sciences, University of Miskolc and head of the Oilfield Chemistry section of Geoengineering Research Group of Hungarian Academy. He is an R&D adviser in the Hungarian Oil and Gas Plc. (MOL Hungary and Global) and National Research Institute of Oil and Gas in Krakow, Poland. He has more than 570 papers published and presented in Hungarian and international journals, symposiums, conferences, which were independently cited nearly 1000 times in the scientific literature. His volunteer service to SPE includes memberships in organizing committees and sections, chair of several SPE conferences, symposiums and forums. He received a degree as a chemical engineer in nuclear chemistry from the University of Veszprém, he obtained scientific degrees in analytical chemistry from Technical University physical chemistry (PhD), petroleum engineering (D. Sci.) and earth sciences (Dr. Habil) from the Universities and the Hungarian Academy of Sciences.



Carl Montgomery is a Senior Engineer with NSI Engineering in Tulsa, Oklahoma. He is recognized within the industry as one of the leaders, and most active professionals in well stimulation and completions. He has served on numerous SPE committees and has been the keynote and guest speaker for several SPE US and International conferences. He is currently one of the instructors for SPE's short courses on Hydraulic Fracturing. He received the SPE Drilling and Completions Award and has been a member of the API standards committee for Hydraulic Fracturing and Acidizing for over 25 years and participated and written portions of the API ISO standard 13503. He has a BS degree in Biochemistry from Colorado State University and a MS in the same discipline from Ball State University.



Doug Peck is a Practice Lead in Appraisal with BHP, responsible for the appropriate technical rigor of Appraisal Projects throughout the company. The responsibility also reaches into exploration play and prospect analysis regarding recovery estimates and development plans. While at BHP, he has held senior technical management positions leading the reservoir engineering function, subsurface teams in major development projects, and development projects for early career engineers. Supporting early career development and advocacy for technical excellence in subsurface engineering have been his main areas of focus. Prior to BHP, Doug worked with ARCO Alaska and ARCO Exploration and Production Technology Company, with focus on reservoir redevelopment and miscible gas projects. Doug joined SPE in 1997 and has served as a Technical Editor, ATCE sub-section organizer, Forum Series organizer, session chair, committee member, and speaker. Doug holds both a B.S. and Ph.D. in Chemical Engineering from UT Austin.



Peggy Rijken is the Team Leader for the Productivity Geomechanics team in the Reservoir and Production Engineering department in Chevron. She manages a team of people in the area of stimulation, formation damage, and geomechanical reservoir simulation. She is also the coordinator for the Reservoir and Well Productivity Technology Area, where she works with all global Chevron business units to guide part of Chevron's research portfolio. She has held prior assignments as a hydraulic fracture engineer and as a geomechanics specialist. She has served SPE as a chair and member of numerous committees and as a technical editor. Peggy is an author and/or coauthor of more than 25 papers and has a patent in stimulation technology. Peggy received a PhD in petroleum engineering from the University of Texas at Austin. She also holds a MS in Mining and Petroleum Engineering from Delft University of Technology in The Netherlands.



Ray (Zhenhua) Rui is a research scientist in the Department of Mechanical Engineering, Massachusetts Institute of Technology. Research interests include unconventional and conventional resource assessment and development, reservoir engineering, techno-economic analysis, energy project sustainable development, infrastructure and transportation, and energy data analytics. He served as SPE as chair or member of numerous committees. He is a cofounder and organization committee chair of the MIT Applied Energy A+B Symposium. He also serves as associate editor for ASME Energy Resource Technology, Journal of Petroleum Science and Engineering, and Petroleum Science. He published more than 70 journal and conference papers in the energy field. He received many awards including SPE Regional Projects, Facilities and Construction Award, SPE Regional Outstanding Young Member Service, SPE Outstanding Technical Editor. Rui received a PhD degree in Energy & Mineral Engineering, MS in Petroleum Engineering, MBA from the University of Alaska Fairbanks, and MS in Petroleum Geophysics, China University of Petroleum-Beijing, China.

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Darcy Spady is an independent director and advisor. He chairs the Board of Green Imaging Technologies of Fredericton, Canada and acts as Global Advisor to General Magnetic and Fluid Energy Group, both of Calgary, as well as emerging companies globally. Spady has an extensive background in the natural gas, oil and heavy oil segments of the industry, having worked a decade for Schlumberger across North America in their wireline and pressure pumping segments, and for the Columbia Natural Resources/Triana Energy group in the Appalachians, Atlantic Canada, and internationally. He has also served as CEO of Calgary-based Contact Exploration, head of sales for Sanjel Corporation and most recently for Broadview Energy. Spady holds a BSc. in Petroleum Engineering from the University of Alberta in Edmonton, Canada. He served as 2018 SPE President, but is just an ordinary guy who plays a solid accordion.



Willem van Adrichem is currently retired after a 35 years career with Schlumberger. In his last position, Van Adrichem was Account Manager for Statoil and Shell for all Schlumberger's business in North America. Prior to that, he was Country Manager for the Schlumberger companies in the Netherlands and Denmark. He is the author of 8 SPE papers and several journal articles on various aspects of Coiled Tubing Well Interventions for which discipline he was a global authority for many years. Willem has been an SPE member since 1983. He was the SPE/ICoTA Chairman in 1998, an SPE Distinguished Lecturer Committee member from 2009-2012 and again from 2014-2016. He was the SPE Distinguished Lecturer Committee Vice Chairman in 2017 and it's Chairman in 2018. He was a SPE Netherlands board member from 2009-2012 and a recipient of the North Sea SPE Regional Service Award in 2012. He attended The Hague University of Applied Sciences in The Netherlands and obtained a BS degree in Mechanical Engineering in 1979.



Mary Van Domelen is a Senior Completions Advisor at Well Data Labs. She is a licensed Professional Engineer and a SPE Certified Petroleum Engineer. Mary started her career with Halliburton in research and operations roles based in the USA, Europe, Africa, and Middle East. She has held engineer advisor and management roles with innovative E&P companies such as Maersk Oil, Chesapeake Energy, and Continental Resources. Her experience includes horizontal drilling and completion operations in multiple basins. Mary is an internationally recognized subject matter expert in the area of carbonate stimulation. Mary is a lifetime member of SPE and served on numerous conferences, forum, workshop, award and editorial committees. Mary co-founded the North Sea and European Area Stimulation ATW in 2010 and the Women in Hydraulic Fracturing sub-committee of SPE's Women in Energy Committee (WIN) in 2019. She authored more than 30 papers and holds several patents. Mary earned a BS degree in Chemical Engineering from the University of Oklahoma in 1982.



Claudio Virues is a senior reservoir engineer at Alberta Energy Regulator. Prior to that, he was a senior reservoir engineer at Nexen Energy ULC a wholly owned subsidiary of CNOOC. Previously, he worked for Encana Corporation as reservoir, production, reserves engineer. His research interests include flowback and interference analysis, hydraulic fracturing modeling and geomechanics, value integration of geophysics and engineering, rate and pressure transient analysis, production forecast and reserves estimation. Virues served SPE as a chair and member of numerous committees. He has authored and/or coauthored more than 50 papers in the last 4 years. He holds a B.Sc. degree in Naval Engineering and Marine Architecture from Buenos Aires Technological University, a M.Sc. degree in Reservoir Engineering from Buenos Aires Institute of Technology (B.A.I.T.) in Argentina, an M.Eng. Degree in Chemical and Petroleum engineering with honors from University of Calgary, Alberta.



XiangZeng Wang is Chief Geologist of Shaanxi Yanchang Petroleum Group Co., Ltd, China. Wang and his team have developed new water flooding technologies to enhance the water flooding efficiencies for fractured extra-low permeability oil reservoirs. Those new technologies have led an oil field with 110 years production history to annual oil production over ten million tons for 12 consecutive years, which is miracle of oil & gas industry. He and his team also discovered shale gas in lacustrine sedimentary environment, and drilled the first lacustrine shale gas well of China. Another breakthrough work led by Dr. Wang is the first integrated full-process CCUS project in China. By combining the low cost CO2 capture from coal chemical industry and CO2 EOR, CO2 fracturing of low permeability oilfield, Yanchang Petroleum had built the first CCUS integration project independently operated by one single enterprise of Asia, which is one of the best demonstrations of CCUS programs around the world. Dr. Wang won three National Science and Technology Achievement Awards in China, 21 invention patents, 50 published papers. He holds a PhD of Geological engineering from China University of Geosciences in Beijing.



Tao Yang is reservoir technology specialist at Equinor's head office in Stavanger, Norway. He joined Equinor in 2005 and has been the leading advisor with corporate responsibility for PVT and fluid characterization. Before joining Equinor, Yang worked at Whitson a/s, a leading reservoir engineering consulting company in Norway. He gained vast industrial experiences from global consulting projects for more than 200 fields and 30 oil companies. He published more than 20 papers in journals and international conferences. He has served as co-chairman and steering committee member for numerous SPE workshops and conferences, and as a technical editor. Yang holds a BSc degree in applied chemistry and a PhD degree in chemical engineering, both from China University of Petroleum.

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