Dr. Bill Scoggins • President, Colorado School of Mines

Dr. M. W. (Bill) Scoggins was appointed as the 16th president of Colorado School of Mines in June 2006. Prior to coming to Mines, Dr. Scoggins had over 34 years of experience in the global oil and gas business with Mobil and ExxonMobil. He was President of International E & P and Global Exploration and a member of the Executive Committee of Mobil Oil prior to its merger with Exxon in late 1999. Following the merger, he served as Executive Vice President of ExxonMobil Production Company until his retirement in 2004. Dr. Scoggins currently serves on the Board of Directors for Questar Corporation, Trico Marine Services, Inc., Venoco, Inc., and Cobalt International Energy. In addition, he is a director of the Colorado Oil and Gas Association and a member of the National Advisory Council of the United States Department of Energy’s National Renewable Energy Laboratory.

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Dr. Azra N. Tutuncu • Director, Unconventional Natural Gas Institute (UNGI)

Professor Tutuncu is the Harry D. Campbell Chair at the Petroleum Engineering Department and the director of Unconventional Natural Gas Institute at Mines. She held various research and leadership assignments in Well Engineering, Rock Physics, Geomechanics and Subsurface R&D groups at Shell International E&P and Shell Oil Company. Her research interest areas include rock-fluid interactions, integrated borehole stability, geomechanics, reservoir characterization and formation damage detection, mitigation and removal. She is an Executive Board Member and President of American Rock Mechanics Association (ARMA), the SEG AGI representative in Environmental Geoscience Advisory Committee, and a member of SEG Research Council in addition to serving on several SPE, SEG, ARMA and ISRM committees. She is a licensed Professional Petroleum Engineer and Licensed Geoscientist in the State of Texas.
Dr. John M. Poate • VP Research & Technology Transfer, Colorado School of Mines

Dr. Poate (Ph.D. – Australian National University, 1967) is Vice-President for Research and Technology Transfer at Colorado School of Mines. He previously served as a Harwell Fellow of the UKAEA, Head of the Silicon Processing and Interface Physics Research Departments at Bell Laboratories, Dean of the New Jersey Institute of Technology and CTO of Axcelis Technologies. Dr. Poate has published extensively in several areas of nuclear physics solid state physics, materials science and engineering. He is a Fellow of the American Physical Society and Materials Research Society, MRS Past-President and the John Bardeen award winner of the TMS. He has served on advisory panels or councils for NATO, US and overseas universities, NSF, NRC, and DOE and currently serves as Chair of the Director’s Review Committee for Physical and Life Sciences at Lawrence Livermore National Laboratory and is on the Board of the National Renewable Energy Laboratory.

Fred C. Julander • President, Julander Energy

Fred has over 39 years of experience in energy and natural resources as an independent operator. He has been a leader in the oil and gas community pushing for responsible exploration and development and for recognition that natural gas has a bright future as a natural complement to renewable energy and efficiency. Fred is a member of the National Petroleum Council, past President of the Colorado Oil & Gas Association, founding Chairman of COGA’s Rocky Mountain Natural Gas Strategy Conference and Chairman of the Natural Gas Committee of COGA. Fred is also the recipient of the 2007 Distinguished Public Service Award presented by the Rocky Mountain Association of Geologists. In 2009, he was selected to the Independent Petroleum Association of Mountain States Rocky Mountain Oil & Gas Hall of Fame. Mr. Julander earned a BA degree from the University of New Mexico and a JD degree from the University of Iowa Law School. He is a graduate of the University of Denver’s Executive MBA program.
**Dr. Lev Vernik • Senior Technical Consultant, Marathon Oil**

Lev acquired his PhD in Rock Physics in 1982 at the All-Union Geological Institute, St. Petersburg, Russia, while working on rock properties characterization from logs, cores, and seismic for Kola Superdeep Well. He joined Stanford Rock Physics Project in 1987, where he established a solid shale characterization program. Since 1995 Lev has been employed by oil and gas companies like Arco, Vastar, BP, Noble Energy, and Marathon Oil. Lev is currently a Senior Technical Consultant with Marathon. His interests include rock physics, seismic AVO modeling and attribute studies, pore pressure and fracture gradient profile computation from logs.

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**Christopher Harris • Technical Team Lead - Integrated Rock Property Estimation, ExxonMobil Upstream Company**

Christopher Harris received a B.S. in Geophysics from the University of Texas at Austin and an M.S. from the University of Texas at Dallas. He has worked the last 29 years in a variety of interpretation, processing, and geophysical applications assignments for The Superior Oil Company, Mobil Oil, and now at ExxonMobil Company. He is currently a Sr. Research Associate at ExxonMobil Upstream Research Company where he is a Team Lead for the Integrated Rock Property Estimation group.
Dr. Alex Martinez  •  Research Supervisor, Geophysics/Rock & Fluid Properties & Borehole Geoscience, ExxonMobil Upstream Company

Alex Martinez received a B.S. in Geology and Geophysics from the University of Missouri, Rolla, and a M.S. and Ph.D. in Geophysics from the University of Kansas. He has worked the last 12 years in a wide variety of geophysical assignments for ExxonMobil. He is currently a Supervisor of Geophysics at ExxonMobil Upstream Research Company.

Carolyn Fleming  •  Pinedale Technical Studies Team Lead, Shell

Carolyn H. Fleming is manager of the Pinedale Technical Studies team at Shell Exploration and Production Company. Prior to this, she held reservoir engineering positions at EnCana and Marathon Oil’s Petroleum Technology Center. She has an extensive background in the application of reservoir simulation to a wide variety of reservoirs. Most recently, she has been involved with the development of tight gas sands. She holds an M.S. in Chemical Engineering from the University of Colorado at Boulder.
Mark Sundland • Drilling Engineering Manager, Southern Region, Anadarko

Mark Sundland is a Drilling Engineering Manager for Anadarko Petroleum Corporation, based in The Woodlands, Texas. His 28 year career spans engineering and management positions in production, reservoir, and drilling activities in Alaska, the Rocky Mountains, the Permian Basin, the Gulf of Mexico, East Texas, South Texas, and Algeria. For the past 5 years he has served as a Drilling Operations Manager focused on horizontal drilling in the Austin Chalk, Cotton Valley, and Eagle Ford formations in Texas. Mark holds a BS in Petroleum Engineering from Texas A&M University.

Dr. Pinnaduwa Kulatilake • Professor, University of Arizona

Dr. Kulatilake is a Professor of Geological/Geotechnical Engineering at the University of Arizona. He has over 30 years of experience in rock mechanics, geotechnical engineering, and applications of probabilistic and numerical methods to geotechnical engineering and has written over 160 papers, delivered keynote and invited lectures throughout the world on topics related to fracture network modeling, probabilistic geotechnics, mechanical properties of joints, rock slope stability and mechanical and hydraulic behavior of rock masses and served over 20 years as examiner for the geological engineering professional exam by the Arizona State Board of Technical Registration. He was a Visiting Professor at the Royal Institute of Technology and Lulea University of Technology in Sweden and a Visiting Research Fellow at the Norwegian Geotechnical Institute during his sabbatical leave. He is a Fellow of the American Society of Civil Engineers, 2002 recipient of Distinguished Alumnus Award Ohio State University, Outstanding Asian American Faculty Award from the University of Arizona and an “Honorary Professorship” from Eurasian National University, Kazakhstan.
Dr. Stanley Bull • Associate Director Emeritus, NREL

Stanley R. Bull, has served as the Associate Director for Science and Technology for the National Renewable Energy Laboratory and the Vice President of the Midwest Research Institute for more than a decade, and has more than 40 years of experience in energy and related applications including renewable energy, energy efficiency, transportation systems, bioenergy, medical systems, and nondestructive testing. He has experience in leading energy research and development, managing and developing programs, and planning and evaluating technical programs.

Dr. Bull led NREL’s R&D which emphasizes renewable energy and energy efficiency technologies in support of DOE programs. During 28 years at NREL, he has held positions of increasing responsibility. Dr. Bull was on the University of Missouri–Columbia College of Engineering faculty for 13 years. He has authored approximately 100 publications in diverse fields and technical journals, and presented about 150 papers at international, national, and other meetings. He has also made numerous public presentations on a variety of energy-related topics. Dr. Bull has a Ph.D. and M.S. from Stanford University and a B.S. from the University of Missouri–Columbia with degrees in Chemical Engineering and Mechanical Engineering. Professional recognition and honors include a Senior Fulbright-Hays Professorship in Grenoble, France, the Faculty-Alumni Award and the Missouri Honor Award from the University of Missouri-Columbia, and the Secretary of Energy Outstanding Program Manager Award.
Dr. Zara Khatib • Chief Technologist, Petroleum Institute and Shell, UAE

Dr. Khatib joined Shell in 1984 following a two-year assignment as a lecturer at the Chemical Engineering Department, University of Houston and post-doctoral assignment at Imperial College London. In 2005, Dr. Khatib became the manager for Technology Marketing and Deployment for Middle East and North Africa Region and in 2010 has been assigned as the Chief Technologist developing the strategy and implantation plans for the New Gas Research Centre at the Petroleum Institute Abu Dhabi. She is recognized as a technical expert in Gas Processing and Treatment, Water Injection, Reservoir Sourcing and Integrated Water Management in the Oil & Gas Industry with over 100 technical papers and presentations. In 1991, she was awarded by SPE the “Best Paper of Year Award for Production Technology” and in 1998 and in 2009 was selected to be a Distinguished Lecturer for Society of Petroleum Engineers. In 2005, she was selected to be the only Oil & Gas industry member of the United Nation Expert Group on Climate Change. Currently she participates on several international committees such as the G8-CCS committee, World Energy Council-Clean Fossil Fuel Systems, and International Sigma XI Committee. She also chaired several Society of Petroleum Engineers’ Technical and Educational committees on major regional conferences such as GEO, IPTC, MEOS and ADIPEC in addition to many SPE applied technology workshops. In addition, she participates on the R&D expert panel of the Emirates Foundation Science Committee and reviewed and rated several research project proposals.

Dr. David Olsen • Managing Consultant, NISC

Dr. Olsen is a Managing Consultant with NISC an IBM company that supports the U.S. Department of Energy National Energy Technology Laboratory in the areas of oil and gas, and CO2 sequestration. He has published widely on geologic depositional systems, heavy oil, oil shale, energy resources, enhanced oil recovery and refining. More recently he has analyzed water use and reuse in the Marcellus Shale play and other tight shale plays. He formerly taught college chemistry, environmental science and petroleum engineering before working in industry for Getty Oil, the National Institute for Petroleum and Energy Research and served as director of the United Nations Institute for Training and Research (UNITAR) Centre for Heavy Crude and Tar Sands. He is a registered environmental assessor, California.
Dr. Richard Snow • Chief Scientist, PyroPhase Inc.

Dr. Richard Snow, Chief Scientist of PyroPhase Inc. was Director of the National Institute for Petroleum and Energy Research in Bartlesville OK. There he supervised a staff of 200 researching petroleum production, processing and utilization. Dr. Snow is a co-inventor of the RF Process to recover fuels from oil shale and tar sands. While manager of the chemical engineering research group at IIT Research Institute, Dr Snow and coworkers carried out laboratory and field pilot demonstrations of the RF technology. He has 60 publications and patents relating to energy technologies, computer simulation of industrial processes, and pollution control. He has an AB in chemistry, Harvard; MS in chemical engineering Virginia Tech; and PhD chemical engineering IIT. He is a fellow of AIChE and member of SPE.

Dr. Bruce Hart • Director, Shale and Pressure Systems Program, ConocoPhillips

Dr. Bruce Hart is Director of Shale, Seal and Pressure Systems at ConocoPhillips in Houston. Prior to joining ConocoPhillips in 2008, he held academic and research positions at McGill University, New Mexico Tech, Penn State and the Geological Survey of Canada. He was the 2009/2010 Joint AAPG/SEG Distinguished Lecturer. He has authored or co-authored over 50 peer-reviewed papers on topics such as seismic attribute analysis, seismic stratigraphy, seismic structural analysis, sedimentology and pore-pressure analysis.
Dr. Arthur Cheng • Vice President Research, OHM Rock Solid Images

Arthur C.H. Cheng is the Vice President of Research at OHM/Rock Solid Images. He received a B.Sc. with Distinction in Engineering Physics from Cornell University in 1973, and a Sc.D. in Geophysics from MIT in 1978. He was one of the co-founders of the Earth Resources Laboratory at MIT in 1982, a Principal Research Scientist in the Department of Earth, Atmospheric, and Planetary Sciences (EAPS), and the Project Leader of the MIT Borehole Acoustics and Logging Consortium from 1982-96. In 1996 he joined Western Atlas (now Baker Atlas) as its Manager of Acoustic Science. He served in various technical managerial roles at Western Atlas and Baker Hughes Inteq. In 2000 founded Cambridge GeoSciences, a consulting group in borehole geophysics and petrophysics. He joined OHM/Rock Solid Images in 2009. Arthur has served on a number of academic and industry positions through the years, he is currently the Vice President of the Society of Exploration Geophysicist (SEG), an Associate Editor for Geophysics in Borehole Geophysics and Rock Properties, and a member of the Advisory Committee for the SEG Beijing Office.

Roy Long • Technology Manager, Ultra-Deepwater & Unconventional Resource Program, Strategic Center for Natural Gas & Oil, DOE / NETL Houston

Roy Long is a Technology Manager for the Department of Energy’s National Energy Technology Laboratory (NETL), assigned to NETL’s Strategic Center for Natural Gas and Oil. He has 30 years of diversified industry and Federal Government experience, ranging from operations in domestic and international petroleum engineering to project and technology portfolio management related to E&P technology development and commercialization. He is a 1970 graduate of the U.S. Air Force Academy and received his M.S. in petroleum engineering from the Colorado School of Mines. He is a 30+ year member of SPE and a member of ASME, SEG, AAPG, and AADE.
Dr. Robert W. Siegfried • Vice President Unconventional Onshore, RPSEA

Dr. Siegfried is a Sr. Institute Scientist at GTI and the Vice-President for Onshore Programs of the Research Partnership to Secure Energy for America (RPSEA). During a fifteen-year career with ARCO in Plano, Texas he worked on acoustic logging, borehole imaging, and the integration of borehole measurements with geologic and geophysical data. While at GTI, he has worked with service companies, operating companies, universities, national labs, and joint industry groups on the development and commercialization of new technology in several E&P disciplines. In his current position, he is responsible for managing a federally-funded research program directed toward increasing the contribution of unconventional gas resources to the energy supply of the United States. He has received 14 US Patents, mostly concerned with various aspects of acoustic logging, borehole imaging, or production logging. He earned a B.S. degree in physics from California Institute of Technology and a Ph.D. in geophysics from Massachusetts Institute of Technology.