



COMPLEX CHALLENGES FOR A SUSTAINABLE ENERGY FUTURE

DR. D. Nathan MEEHAN

Abstract:

The definition of sustainability is meeting today's needs without compromising the ability of future generations to meet their own needs. Fossil fuels play a critical role in every measure of quality of life but are widely criticized. Environmental, safety, climate change and other challenges and the difficulty of replacing reserves and production in a long-term low product price environment complicate our challenges. Technology solutions will be important but are not going to be enough. Dr. Meehan's talk will cover some of the hard decisions we must make as an industry and as a society to meet growing long-term energy needs.

Biography:

Dr. D. Nathan Meehan has more than 40 years of global experience in reservoir engineering, reserve estimation, hydraulic fracturing and horizontal well expertise. He is a Vice President of Baker Hughes a GE Company and President of Gaffney, Cline & Associates. Previously he was President of CMG Petroleum Consulting, an independent consultancy; Vice President of Engineering for Occidental Oil & Gas; and General Manager Exploration & Production Services for Union Pacific Resources. Meehan is the 2016 President of the Society of Petroleum (SPE) Engineers.

Dr. Meehan earned his BSc degree in Physics from the Georgia Institute of Technology, his MSc degree in Petroleum Engineering from the University of Oklahoma, and his PhD degree in Petroleum Engineering from Stanford University. Dr. Meehan previously served as Chairman of the Board of the CMG Reservoir Simulation Foundation and twice as a Director of the Computer Modelling Group, Ltd., as Director of Vanyoganeft Oil Company, Nizhnyvartosk, Russia, as Director of Pinnacle Technologies, Inc., as a Director of the Society of Petroleum Engineers and as a Director of JOA Oil & Gas BV. He is an SPE Distinguished Member of and the recipient of SPE's Lester C. Uren Award for Distinguished Achievement in Petroleum Engineering, the Degolyer Distinguished Service Medal and the SPE Public Service Award. He received the World Oil Lifetime Achievement award in 2016. He serves on the Board of the Georgia Institute of Technology's Strategic Energy Institute, the University of Oklahoma's, Colorado School of Mines', Penn State's and the University of Houston's petroleum engineering departments. He is an appointed member of the Interstate Oil & Gas Compact Commission and widely published author. Dr. Meehan is a licensed professional engineer in four states.