

## RMAG 2019 February Short Course: **Petrography of Mudrock Hydrocarbon Reservoirs**

### **Presenter Bios**

#### **Lyn Canter**

Lyn Canter has worked in the oil and gas industry for over 30 years, and is currently Geoscience Director for Luween, LLC in Denver, Colorado. She began her career in Denver with AGAT Consultants. Lyn then joined RPI in Boulder, Colorado as senior scientist. As an independent consultant, she completed regional geologic assessments and reservoir characterization studies of numerous domestic projects. Lyn's international experience includes reservoir studies of producing intervals in Russia, Eastern Europe, the Middle East and North Africa for the World Bank and Petroconsultants, Geneva. Her focus for the past 15 years has been unconventional reservoir characterization utilizing new technologies and workflows for Whiting Petroleum, as Senior Geoscience Advisor and Rock Lab Manager. She received BS and MSc degrees in Geology from the College of Mines and Earth Resources, University of Idaho and received her PhD in Geology and Geochemistry from the Colorado School of Mines.



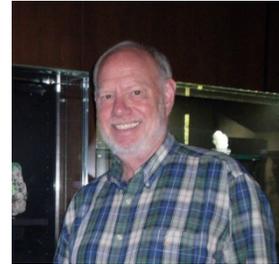
#### **David Hull**

David received a M.A. degree from the University of St. Andrews in 2007 prior to deciding to study geology. He then attended Texas A&M before earning a M.S. degree in Geology from the University of Texas at Austin working on the stratigraphy, sedimentology, and petrography of the Pearsall Shale in South Texas. In 2011 he went to work for Chesapeake Energy doing operations in the Haynesville Shale before transferring to the Geologic Technology Group. In 2013 he transferred to Devon Energy. There he specializes in core description at all scales in the various basins which Devon operates. Over time his focus has expanded from traditional techniques to incorporate more digital rock property work and other exotic analysis in order to answer questions at hand as well as collaborate with engineering and petrophysics.



## Mark Longman

Mark received a B.A. degree from Albion College (Michigan) in 1972 followed by a Ph.D. in Geology from the University of Texas at Austin in 1976. He then joined the research lab of Cities Service Company in Tulsa, Oklahoma for 5 years before moving to Denver in 1981 to work for Coastal Oil and Gas Company as an exploration geologist mainly in the Williston Basin. From 1984 to 2006, he was a consulting geologist before joining Questar Exploration and Production, now QEP Resources, where he is currently working. Mark specializes in the description of cores, cuttings, and petrographic thin sections with a focus on integrating sedimentology and petrology with reservoir studies and petrophysics. He has worked extensively on the Paleozoic reservoirs of the Williston Basin, the Mesozoic rocks and reservoirs around the Gulf of Mexico, and Tertiary carbonate reservoirs in southeast Asia.



## Joe Macquaker

Joe Macquaker currently works as a Technical Specialist for ExxonMobil in their Upstream Research Company in Spring, Texas. In 2012 he moved to ExxonMobil from Memorial University, in St John's (Newfoundland and Labrador, Canada) where he had been Professor of Petroleum Geology. He uses advanced imaging, geochemical and petrophysical techniques to determine the geological processes that underpin the considerable heterogeneity present in fine-grained sediments and the implications of this variability for mudstones as unconventional reservoirs, sources and seals. He is a graduate of Bristol University, was a Post-Doctoral Research Associate in Sheffield, and was a Member of the Faculty at Manchester University before moving to Canada. He has published approximately 60 papers in International Journals reporting his research. He has been an Associate Editor for the Journal of Sedimentary Research for >25 years and has also been on the Editorial Board of the Journal of the Geological Society of London. He is currently Vice-Chair of the Gulf Coast SEPM and is a recent recipient of the Best Paper Award (Wallace Pratt) in AAPG Bulletin.



## Terri Olson

Terri Olson is a consulting petrophysicist at Digital Rock Petrophysics in Golden, CO. She has over 30 years of experience in the oil and gas industry as a geologist and petrophysicist. Terri earned B. A. and M.A. degrees in geology from Colorado College and Dartmouth College, respectively. She attended Amoco's Petrophysics School in Tulsa (1988-89). After BP's acquisition of Amoco in 2000, Terri returned to Denver from Stavanger, Norway, and has since worked for Tom Brown, Encana, EOG, and FEI Oil & Gas. She has been an associate editor of AAPG for 18 years, and served as Senior Associate Editor for



Unconventionals for 3 years. She edited a 2016 Memoir for AAPG, *Unconventional Reservoir Pore Systems*. She is the latest past president of the Rocky Mountain Association of Geologists.

## **Amanda Wescott**

Amanda received her B.S. in Geology, and a second degree in Studio Art with a focus in photography from Bates College in Lewiston, ME. She then received her M.Sc. in Geology from the Colorado School of Mines. During her time at Mines here in Colorado, she completed an integrated, petrographic characterization of the Middle Bakken Formation. Amanda interned twice at QEP Resources while at Mines, during which she gained experience in both the Permian and Powder River Basins. After graduating, Amanda worked for a small service company mudlogging and geosteering wells in the D.J. Basin. Recently, she interned with Encana Corp., and has since been hired on as a reservoir characterization and development geologist working their Eagle Ford and Austin Chalk assets. She is going on her second year working at Encana.

