

Webinar Presentation Program/Schedule:

Day 1 - MONDAY, June 19th Time – 8:00 am – 12:00 pm

Session 1- Opening Remarks

- 8:00 **Opening Remarks** - Chairman - Eric Murphy, Chesapeake Energy
- 8:15 **Keynote Speakers** –
Tony Vaughn, COO of Devon Energy and Frank Patterson, EVP of E&P at Chesapeake Energy
- 9:15 **Introduction of Technical Sessions**
Vice President of Technology - Jennifer Market, Weatherford
- 9:30 **Break**

Session 2 - UNCONVENTIONAL RESERVOIR CHARACTERIZATION I

- 10:00 **A** **A NOVEL TECHNIQUE FOR MEASURING (NOT CALCULATING) YOUNG’S MODULUS, POISSON’S RATIO AND FRACTURES DOWNHOLE: A BAKKEN CASE STUDY;** Adam Haecker, James Lakings, Eric Marshall and Josh Ulla, Fracture ID
- 10:20 **B** **ESTIMATION OF ROCK STIFFNESS COEFFICIENTS IN VTI FORMATIONS USING LWD ACOUSTIC MEASUREMENTS;** Elsa Maalouf and Carlos Torres-Verdin, The University of Texas at Austin
- 10:40 **C** **UNRAVELING THE ACOUSTIC CHALLENGES IN HORIZONTAL WELLBORE ENVIRONMENTS - A CASE STUDY IN THE DELAWARE BASIN;** Andrew Perry, Stephanie Perry and Inga Mathews, Anadarko Petroleum Company and Jennifer Market, Weatherford
- 11:00 **D** **ROCK TYPING IN WOLFCAMP FORMATION;** Ishank Gupta, Chandra Rai, Carl Sondergeld, Deepak Devegowda, The University of Oklahoma
- 11:20 **E** **QUANTIFYING THE IMPACTS OF THERMAL MATURITY ON ELASTIC PROPERTIES OF KEROGEN;** Clotilde Chen Valdes, Texas A&M University, Zoya Heidari and Andres Gonzalez, The University of Texas at Austin
- 11:40 **F** **ESTIMATION OF PORE NETWORK CHARACTERISTICS AND SATURATION-DEPENDENT RELATIVE PERMEABILITY IN ORGANIC-RICH SHALE SAMPLES OBTAINED FROM BAKKEN, WOLFCAMP, AND WOODFORD SHALE FORMATIONS;** Shiv Prakash Ojha, Siddharth Misra, Ankita Sinha, Son Dang, Carl Sondergeld and Chandra Rai, The University of Oklahoma

Day 2 - TUESDAY, June 20th Time – 8:00 am – 9:40 am

Session 6 - UNCONVENTIONAL RESERVOIR CHARACTERIZATION II

- 8:00 **Q** **SIMULTANEOUS NEUTRON AND X-RAY IMAGING OF 3D KEROGEN AND FRACTURE STRUCTURE IN SHALES;** Wei-Shan Chiang, Aramco Research Center-Houston/ National Institute of Standards and Technology/University of Delaware, Jacob M. LaManna, Daniel S. Hussey and David L. Jacobson, National Institute of Standards and Technology,

Yun Liu, National Institute of Standards and Technology/University of Delaware, Jilin Zhang, Daniel T. Georgi and Jin-Hong Chen, Aramco Research Center-Houston

- 8:20 R **INTENSIVE NATURAL FRACTURE STUDY OF ELK HILLS MONTEREY FORMATION TO BETTER UNDERSTAND PRODUCTION VARIABILITY;** Robert Gales and Rad Sobczyk, California Resource Corporation, Nicholas Harvey, Harvey Rock Physics
- 8:40 S **EFFECTS OF BITUMEN EXTRACTION ON THE 2D NMR RESPONSE OF SATURATED KEROGEN ISOLATES;** Zeliang Chen, Philip M. Singer and George J. Hirasaki, Rice University
- 9:00 T **CHARACTERIZATION OF THERMAL MATURITY AND ORGANIC MATERIAL TYPE WITH RAMAN SPECTROSCOPY IN SHALE RESERVOIRS;** Zhengfan Liu, Lori A. Hathon and Michael T. Myers, University of Houston
- 9:20 U **BRIGGS COLOUR CUBING OF SPECTRAL GAMMA RAY - A NOVEL TECHNIQUE FOR EASIER STRATIGRAPHIC CORRELATION AND ROCK TYPING;** Michael Sullivan and Lisa Song, Chevron

Day 3 - WEDNESDAY, June 21st Time – 8:00 am – 9:40 am

Session 12 – CONVENTIONAL RESERVOIR PETROPHYSICS

- 8:00 KK **PETROPHYSICAL WORKFLOW TO IDENTIFY NET PAY AND RESERVOIR PRODUCTIVITY IN THIN BEDS, DEEPWATER WEST AFRICA;** Sunday Adole, Chevron, Chiara Cavalleri and Jurry Van Doorn, Schlumberger, Keith Boyle, JD Akogun, Chukwuma Atuanya and Oluseye Ekun, Chevron
- 8:20 LL **IMPROVED ASSESSMENT OF HYDROCARBON SATURATION IN MIXED-WET ROCKS WITH COMPLEX PORE STRUCTURE;** Artur Posenato Garcia, Zoya Heidari and Ameneh Rostami, The University of Texas at Austin
- 8:40 MM **A PETROPHYSICAL ORIENTED METHOD FOR THE ANALYSIS OF DIFFERENTIAL PRESSURE STUCK PIPE AND WIRELINE TOOLS ACROSS PERMEABLE ROCKS;** Wilson Pineda and Nayyer Islam, BP Exploration and Production Inc.
- 9:00 NN **USING FRACTALS TO DETERMINE A RESERVOIR'S HYDROCARBON DISTRIBUTION;** Dr. Steve Cuddy, Baker Hughes
- 9:20 OO **CHALLENGES OF DETERMINING AND COMPARING RESERVOIR STORAGE AND FLOW PROPERTIES USING DETERMINISTIC PETROPHYSICAL ROCK TYPES VIA MULTIPLE PORE THROAT RADIUS INDICATORS;** Gary W. Gunter, Schlumberger - NEXt, David F. Allen and Olivier A. Marché, Schlumberger and Eduardo J. Viro, Consultant