Agenda for Annual Meeting of MSRL
April 13-17, 2015,
Austin, Texas

Pre-Meeting activities: Held at Bureau of Economic Geology

Monday, April 13: 1:00 PM-5:00 PM
Short Course: Aviso Fire software for petrophysical visualization: Instructor: Dan Gostovic, FEI Company

Tuesday, April 14: 8:00 AM -5:00 PM

Main Meeting: Held at Commons L'il Texas Room, Pickle Research Campus

Wednesday, April 15

Oral Presentations
8:00 - 8:15 AM Introduction: Ruppel et al
8:15 - 8:30 AM Introduction to the new MSRL data delivery system: Breton

Mini-Session 1: Integrated study of a lacustrine mudrock system: Triassic, China
8:30 - 8:40AM Project overview and Introduction: Zhang
8:40 - 9:05AM Chemostratigraphy of a Fluvio-Lacustrine Succession: Rowe
9:05 - 9:30AM SEM petrography, mineralogy and diagenesis: Milliken
9:30 - 9:55AM Quantification of pore types: Loucks
9:55 - 10:10AM BREAK
10:10 - 10:35AM Organic matter type, thermal maturity, petroleum expulsion: Zhang

Mini-Session 2: Integrated study of a marine mudrock system: Cretaceous Eagle Ford Fm, Texas
10:35 - 11:00AM Chronostratigraphy, chemostratigraphy and facies: Ruppel
11:00 - 11:25AM Eagle Ford Pore systems: Loucks
11:25 - 11:50AM Quantification of Eagle Ford pore networks: Ko
11:50 - 1:00PM LUNCH
1:00 - 1:25PM Integrated study of pore size distribution, gas chemistry, and pore connectivity: Zhang
1:25 - 1:50PM Measurement of matrix permeability and porosity: Bhandari
1:50 - 2:15PM Measuring modified GRI mudrock permeability under confining stress: Peng
2:15 - 2:40PM Using NMR and MICP to Describe Pore Networks: Shultz
2:40 - 2:55PM BREAK
2:55 - 3:20PM Stochastic modelling of gas flow and sorption: Javadpour
3:20 - 3:45PM Petrophysical log modeling: Eastwood

3:45 - 5:15 PM Introduction to poster session

5:15 - 7:00 PM(?) Evening Poster Session
Hors d’oeuvres and drinks provided

Poster Presentations
1. New device for fluid recovery from wax-sealed cores: defining reservoir saturations: Enriquez
2. Molecular dynamics study of liquid alkanes in shale: Wang
3. A new Mudrock classification: Milliken
4. Occurrence of Organic-Matter Pores in Sub-1.0% Vitrinite Reflectance Mudrocks: Reed
5. Chemostratigraphy of Two Bakken Cores from the Southern Williston Basin: Abdi
6. Regional chemostratigraphy of the Bakken Fm in the Williston Basin: Berney
7. Chemostratigraphy of the Barnett Fm in the SW Ft. Worth Basin: Redmond
8. Chemostratigraphy of the Cherokee Fm in the Anadarko Basin: Hu
10. Integrated geochemistry, UCS, and SEM, data: Wolfcamp and lower Leonard, Midland Basin: Baumgardner
12. High Resolution Chemostratigraphic Record of Cenomanian-Turonian Strata, USA: Nieto
13. Small scale geochemical variations in the Boquillas Formation: Garza
14. Biomarker implications for organic matter input and productivity in marine and lacustrine mudrocks: Sun Xun
15. Rafted wood in the Bouldin Member of the Eagle Ford Formation, Travis Co.: Mauck
17. Liquid hydrocarbon characterization for Eagle Ford cores: Sun Xun
19. A Composite Record of early Late Cretaceous deposition in the Austin area, TX: Gabb
20. Core-based chemostratigraphy of the Buda Formation, Dimmitt County, Texas: Hendrix
21. Pore scale fluid flow in shale: Afsharpoor

Thursday, April 16

Oral Presentations

Stratigraphy, Sedimentology, Chemostratigraphy and Paleo-oceanography
8:00 - 8:25AM Geochemical Constraints on the Evolution of the Bakken Fm: Rowe
8:25 - 8:50AM The Pennsylvanian 13 Fingers and Novi Lime, Anadarko Basin: Frebourg
8:50 - 9:15AM Core calibrated regional facies distribution: Cline shale: Roush
9:15 - 9:55AM High-Resolution Chemostratigraphic Facies Analysis of the Eagle Ford Fm: Rowe
9:55 - 10:10AM BREAK
10:10 - 10:35AM Integrated outcrop sedimentology of the Eagle Ford/Boquillas formations: Frebourg

Pore Characterization and Evolution in Mudrocks
10:35 - 11:00AM Pore Systems of the Cline Shale, Permian Basin, West Texas: Reed
11:00 - 11:25AM Factors Influencing the Development of Organic-Matter Pores in Mudrocks: Reed
11:25 - 11:50PM Eagle Ford pore quantification: Milliken
11:50 - 1:00PM LUNCH
1:00 - 1:15PM Ar-adsorption analysis of pore size and connectivity of shales: Daigle
1:15 - 1:30PM Experimental pore evolution studies on the Woodford, Barnett and Eagle Ford: Ko
1:30 - 1:55PM Maturation and lithology controls on hydrocarbon chemistry and expulsion: Zhang

Petrophysics and Flow Modeling
1:55 - 2:20PM Mudrock Permeability: what are we measuring?: Peng
2:20 - 2:45PM Are gas shales suitable analogs for oil shale exploration?: Brown
2:45 - 3:00PM BREAK
3:00 - 3:25PM Geochemical interaction of shale and fracking fluid in autoclave experiments: Lu
3:25 - 3:50PM Pore scale fluid flow in shale: Afsharpoor
3:50 - 4:15PM Apparent liquid permeability in shale: Javadpour
4:15 - 5:00PM Group Discussion of Present and Future Research Focus: All

Core Workshop: held at Bureau of Economic Geology, Core Research Center

Friday, April 17: 9:00 AM – 3:45 PM

Core Workshop: Cores to be presented: Bakken, Barnett, Cline, Cherokee, Wolfcamp, Glen Rose, Eagle Ford(2)