

Mesozoic of the Gulf Rim and Beyond: New Progress in Science and Exploration of the Gulf of Mexico Basin

Preliminary Program

Wednesday, December 7

Optional Core Workshop at the BEG Core Facility in Houston. Details will be sent to participants.

4:00-6:00 p.m. Registration and refreshments at the Sheraton Suites Houston, 2400 West Loop South

Thursday, December 8 At the Marathon Auditorium

7:00 a.m. Continuous registration (Coffee will be available)

7:40 a.m. Welcome Remarks, Anthony D'Agostino (Executive Director, GCSSEPM Foundation)

7:45 a.m. Introduction to the Conference, John Snedden (Technical Committee Chairman)

Session 1. Early Gulf of Mexico/Evolution of Gulf of Mexico John Snedden and James Pindell, Morning Co-chairs

8:00 a.m. I.O. Norton, L.A. Lawver, and John Snedden: Gulf of Mexico Tectonic Evolution from Mexico Deformation to Oceanic Crust.

8:30 a.m. Carl Fiduk: An Initial Quantitative Attempt to Estimate How Much Louann Evaporite Was Deposited in the Gulf of Mexico.

9:00 a.m. John Brand: Stratigraphy and Mineralogy of the Oxfordian Lower Smackover in the Eastern Gulf of Mexico.

9:30 a.m. Andy Pepper: Implications of Early Gulf of Mexico Tectonic History for Distribution of Upper Jurassic to Mid-Cretaceous Source3 Rocks in Deep-Water Exploration Areas of the United States.

10:00 -10:45 a.m. Extended coffee break with time to look at posters.

10:45 a.m. Richard H. Fillon: Chronostratigraphic Views of Gulf of Mexico Tectonic and Depositional Evolution in the Mesozoic.

11:15 a.m. Rob Pascoe, Peter Nuttall, and David Dunbar: Constraints on the Timing of Continental Rifting and Oceanic Spreading for the Mesozoic Gulf of Mexico Basin.

11:45-1:00 p.m. Lunch - provided

Chris Lowery and Luke Walker, Afternoon Co-Chairs

1:00 p.m. James Pindell, Ernesto C. Miranda, Alejandro Cerón, and Leopoldo Hernandez: Aeromagnetic Map Constrains Jurassic-Early Cretaceous Synrift, Break Up, and Rotational Seafloor Spreading History in the Gulf of Mexico.

Session 2. Biostratigraphy

1:30 p.m. Ryan Weber and Brandon Parker: Pre-Albian Biostratigraphical and Paleoecological Observations from the De Soto Canyon Area, Gulf of Mexico, USA.

2:00 p.m. Richard Denne and John Breyer: Relationship between the depositional episodes of the Woodbine/Eagle Ford of East Texas and the Eagle Ford of South Texas.

2:30 p.m. Coffee Break

Session 3. Early Cretaceous

2:45 p.m. Jose F. Longoria and Rogelio Monreal: The Mesozoic of Nuevo Leon, Mexico: An ancient extension of the Gulf of Mexico. Paleogeography and Tectonics.

3:15 p.m. Colin Stabler: Triple-Porosity Diagram Proposed to Characterize Complex Carbonate Reservoirs-Examples from Mexico.

3:45 p.m. Andrew Harding, Luke Walker, Steve Ehlinger, and Tim Chapman: The Siliclastic Upper Cretaceous Play of Eastern Mississippi Canyon.

4:15 p.m. Edward J. Kavas, Michael Giallorenzo, Kirk Schafer, and Jack Taylor: A Petroleum Systems Perspective on the siliclastics Cretaceous Play of Eastern Mississippi Canyon, Gulf of Mexico.

Friday, December 9

7:15 a.m. Continuous registration (Coffee available)

Session 4. Gulf of Mexico Source to Sink

Mike Blum and Ricardo José Padilla y Sánchez Morning Co-Chairs

8:00 a.m. Bruce C. Frederick, Mike D. Blum, Chris M. Lowery, and John W. Snedden: Resolving Presalt Sediment Source Terrains and Dispersal Pathways for the Northern Gulf of Mexico Basin.

8:30 a.m. Amy L. Weislogel, Kory S. Wiley, S. Bowman, and Delores M. Robinson: Triassic-Jurassic Provenance Signatures in the Nascent Eastern Gulf of Mexico Region from Detrital Zircon Geochronology.

9:00 a.m. Alejandro Beltrán-Triviño: Provenance of Cenozoic siliciclastic units in the Southern Gulf of Mexico by heavy-mineral determinations and geochemistry, and detrital zircon U-Pb geochronology.

9:30 a.m. Ricardo José Padilla y Sánchez: Late Triassic-Late Cretaceous Paleogeography of Mexico and the Gulf of Mexico.

10:00 a.m. Sonnet Gomes, Amy Weislogel, and David Barbeau: Detrital Zircon Evidence for Amazonian Provenance of Upper Jurassic Norphlet Formation in North Central Gulf, Mobile Bay: Implications for Paleoriver Systems in South and Central America.

10:30 a.m. Coffee Break

10:45 a.m. Timothy F. Lawton, Edgar Juárez-Arriaga, Yam Zul Ernesto Ocampo-Díaz, Alejandro Beltrán-Triviño: Evolution of Late Cretaceous-Paleogene Foreland Sediment-Dispersal Systems of Northern and Central Mexico.

11:15 a.m. Caleb W. Essex, Delores M. Robinson, and Amy L. Weislogel: Regional Correlations of Lithofacies within the Haynesville Formation from Onshore Alabama: Analysis and Implication for Provenance and Paleostucture.

11:45 a.m.-1:00 p.m. Lunch - provided

Richard Denne and Amy Weislogel Afternoon Co-Chairs

1:00 p.m. Mike Blum, Kristy Milliken, John Snedden, and Bill Galloway: Cenomanian Drainage Area and Sediment Routing to the Gulf of Mexico from Detrital Zircons.

1:30 p.m. Kristy Milliken, Mike Blum, John Snedden, and Bill Galloway: Cenomanian Gulf of Mexico Paleodrainage- Application of Channel-Belt Scaling to Drainage Basins.

2:00 p.m. John W. Snedden, Ann Caroline Bovay, and J. Xu: New Models of Early Cretaceous Source-to-Sink Pathways in the Eastern Gulf of Mexico.

2:30 p.m. Coffee Break

Session 5. Late Cretaceous

2:45 p.m. Jack C. Pashin, Jin Guohai, and Denise J. Hills: Mesozoic Structure and Petroelum Systems in the De Soto Canyon Salt Basin in the Mobile, Pensacola, Destin Dome, and Viosca Knoll Areas of the MAFLA Shelf.

3:15 p.m. Christopher M. Lowery: The Expression of the Cenomanian-Turonian Oceanic Anoxic Event 2 in the Gulf of Mexico: A Review.

3:45 p.m. Stephen P.J. Cossey and Mark R. Bitter: The KPg Impact Deposits in the Tampico-Misantla Basin, Eastern Mexico.

4:15: Final Comments

POSTERS ONLY:

Rich Adams and Allen Lowerie: Deep-Seated Dynamics including Crust and Upper Mantle Impacting Hydrocarbon Localization within Sediment-filled Basins.

Alberto Herrera Paloma: Lithological and Geochemical Analysis to Reduce Uncertainty in the Exploration of Unconventional Gas Deposits in the Burro-Picachos Basin, Northeastern Mexico.

Peter R. Rose: Stratigraphy of Fredericksburg-Washita Division (Albian), Comanche-Cretaceous, Texas, emphasizing Person and Georgetown Formations.

Tomas Rodríguez Cruz: Integral Analysis of the Opening of the Gulf of Mexico and its Relationship with Sedimentary Basin Generation.

Robert W. Scott, Whitney Campbell, Rachel Hojnacki, Xin Lai, and Yulun Wang: Albia Stratigraphy of the San Marcos Platform, Texas: Why the Person Formation Correlates with Upper Fredericksburg Group, not Washita Group.