

Tuesday, December 3

7:00-9:00 p.m. Ice Breaker – Brix Wine Cellar at Vintage Park (across from Noble Energy)

Wednesday, December 4

Charles Davidson Hall, Noble Energy
1001 Noble Energy Way

7:30 a.m. Coffee

8:00 a.m. **Introduction to the Conference:** John Suter (Executive Director, GCSSEPM Foundation), Carl Fiduk (Technical Committee Chairman), and Noble Energy representative.

Session Theme: Advances in Understand Salt Mount, Hearon & Fiduk

8:15 a.m. C. Fiduk: Evolution of Marine Seismic Imaging from late 1990s to middle 2010s: a WesternGeco Perspective.

8:45 a.m. K. Giles: Salt-Sediment Interaction: Lessons Learned from La Popa Basin, Mexico.

9:15 a.m. M. Rowan: It's not just halite – what we've learned in 30 years about intrasalt deformation.

9:45 –

10:05 a.m. **Extended coffee break with time to look at posters.**

10:05 a.m. J. Snedden: Paleogeographic Reconstruction of the Louann Salt Basin.

Session Theme: Featured Young Professional Research

10:35 a.m. S. Evans: Intrasalt Structure And Strain Partitioning In Layered Evaporites: Insights From The Messinian Salt In The Eastern Mediterranean.

11:05 a.m. S. Wischer: Salt Tectonics within Strike-slip Systems, Campos Basin, Brazil.

11:35 a.m. D. Gannaway and C. Evelyn: Evolution of Megaflaps, Extensional-Rollover Subbasins, and Salt-Withdrawal Minibasins at Aulet and Adons diapirs in the Spanish Pyrenees, Catalunya

12:05-

1:15 p.m. **Lunch and posters**

Session Theme: Advances in Understand Salt

- 1:15 p.m.** A. Pulham: The age of the Louann Salt; Insights from historic isotopic analyses in salt stocks from the onshore interior salt basins of the Northern Gulf of Mexico.
- 1:45 p.m.** J. Pindell: Tectonic models for the Gulf of Mexico in light of new Bajocian ages for proximal salt deposition.
- 2:15 p.m.** F. Peel: Paleo-Oceanographic Preconditioning Promotes Precipitation: how the global context is a key factor for understanding Bajocian Louann Salt deposition.
- 2:45 p.m.** **Group Discussion**
- 3:15 p.m.** **Coffee Break and continuation of discussion**
- 3:35 p.m.** B. Brunner: Geochemistry of authigenic carbonates and native sulfur in caprock of salt diapirs: is it time to abandon well-trodden paths?
- 4:05 p.m.** J. Munoz: Minibasins involved in fold-and-thrust belts: from their development in passive margins to contractional reactivation (examples from the Northern Calcareous Alps, Pyrenees and experimental modelling).
- 4:35 p.m.** R. Denne: Applications of biostratigraphy to salt tectonics, northern Gulf of Mexico.
- 5:05 p.m.** **End of Day**

Thursday, December 5

- 7:30 a.m.** **Coffee**
- Session** **Theme: Advances in Understand Salt (Continued)**
- 8:00 a.m.** H. Lebit: On elevators and bull dozers: What has changed in 30 years of Salt Tectonics? Examples from passive margin salt basins.
- 8:30 a.m.** W. Mohriak: Salt tectonics in the Brazilian margin: key issues and technical advancements in the past 30 years
- 9:00 a.m.** M. Hudec: Louann salt: depositional models and implications.
- 9:30 a.m.** C. Rodriguez: Salt tectonics controls on deepwater sedimentation: Salina del Istmo Basin, southern Gulf of Mexico.
- 10:00 a.m.** **COFFEE BREAK and Posters**
- Session** **Theme: Featured Young Professional Research**
- 10:30 a.m.** M. Heidari: Controls of interbedded sand beds on pore pressure, stresses, and evolution of a salt system.
- 11:00 a.m.** O. Duffy: Redirection of Submarine Channels by Minibasin Obstruction on a Salt-Detached Slope: An Example from Above the Sigsbee Canopy.

Session Theme: Salt in Europe and Asia Minor

- 11:30 a.m.** P. Kukla: The European Zechstein Salt Giant – Trusheim and beyond.
- 12:00-1:15 p.m.** **Lunch and posters**
- 1:15 p.m.** L. Pollok: 3D model of complex internal structures in a Northern German salt diapir: A multidisciplinary approach using drilling cores, well logs, and ground penetrating radar.
- 1:45 p.m.** I. Davison: Salt Tectonics Revisited and the Hydrocarbon Potential of the onshore Lusitanian Basin, Portugal.
- 2:15 p.m.** J. Ringenback: Salt tectonics outcrops and 3D drone images from the Sivas Basin (Turkey) compared to high-resolution seismic lines in the GOM and B32 Angola.
- 2:45 p.m.** **Group Discussion**
- 3:15 p.m.** **Coffee Break and continued discussion**
- Session Theme: Advances in Modelling**
- 3:35 p.m.** S. Schueller-Messier: Salt tectonics restoration in basin and petroleum system modelling: Contribution of physical analogue models and methodologies.
- 4:05 p.m.** T. Dooley: Loading Complex Salt Isopachs: Progradation Across Segmented Salt-Filled Rift Systems.
- 4:35 p.m.** M. Nikolinakou: Geomechanical modeling of diapirism in extensional settings: controls on styles of diapir rise and fall.
- 5:05 End of Day**

Friday, December 5

7:30 a.m. **Coffee**

Session Theme: New Insights from the Northern Gulf of Mexico Mount, Hearon and Fiduk

- 8:00 a.m.** V. Mount: Structural Configuration and Evolution of Subsalt Hydrocarbon Traps Adjacent to Salt Walls, Green Canyon, Gulf of Mexico.
- 8:30 a.m.** S. Wilkins: Sub-Seismic Deformation in Traps Adjacent to Salt Stocks/Walls: Observations from Green Canyon, Gulf of Mexico.
- 9:00 a.m.** G. Apps: Can deep mantle processes influence regional salt tectonics.

9:30 a.m. N. Fernandez: Mass-transport complexes (MTCs) steered by Minibasin Obstruction and Extensional Breakaway on a Salt-Detached Slope: An Example from Above the Sigsbee Canopy.

10:00 a.m. **COFFEE BREAK and Posters and Poster breakdown**

10:20 a.m. A. Laake: Interaction of Tectonics, Salt, and Sediments in the Gulf of Mexico: An Approach Using Image Processing of Seismic Data.

10:50 a.m. T. Rives: The Sakarn Series: Middle Jurassic EGOM Stratigraphic Chart Proposed Revision.

11:20 a.m. S. Holdaway: Salt Canopy Rafts in the Northern Gulf of Mexico.

11:50 –

12:30 p.m. Final discussion and meeting wrap up

POSTERS ONLY:

Plus four student posters