



## 2017 Gulf Coast Association of Geological Societies Grant Committee

Many excellent research proposals were submitted to the GCAGS Research Grant committee for consideration. The recommendations of the Grant Committee for the 2017 awards are listed below. The GCAGS congratulates the recipients and wishes them well in you research endeavors.

**Faculty Award \$5000:** Raphael Gottardi, University of Louisiana at Lafayette, *Investigating the natural fracture system of the Eagle Ford and Austin Chalk Formations*

### **\$2000 Award**

Justin Brudin, Auburn University, *Natural wood preferences and colonization patterns of modern marine wood borers near mobile bay, Alabama*

Cora Gannaway, University of Texas at El Paso, *Stratigraphic and structural characterization and evolution of megafaults flanking salt diapirs*

Golam Kibria, University of Texas at Austin, *Experimental investigation of modified reservoir properties due to hydration dehydration of illite/smectite clay minerals on shale plays*

Madison Miller, University of Louisiana at Lafayette, *Investigation of fluid migration in the Austin Chalk and Eagle Ford Formation*

Adam Gostic, Louisiana State University, *Patterns in fine grained sediments deposition of the False River point bar of the lower Mississippi river valley*

### **\$1500 Award**

Austin Harris, Millsap College, *The effectiveness of storm water treatment system in sequestering DAHs: Mississippi Museum of Natural History, Jackson, Mississippi*

Garett Brown, University of Georgia, *Beyond water depth: Identifying additional environmental variables controlling modern and fossil benthic marina communities*

Taylor Dorn, University of Louisiana at Lafayette, *Channel morphology and hydrologic regime of intermittent rivers along the Balcones fault zone in San Marcos, Texas*

Cullen Kortyna, University of Texas at Austin, *Allogenic controls on Cretaceous- Paleogene source-to-sink sediment transfer in south Texas: An integrated provenance approach*

Yuxiang Zhang, University of Texas at Austin, *Multiple approaches of investigating petrophysical properties, producibility and fluid migration in producing shales*

Erica Morelli, University of Alabama, *Sulfur and carbon isotopes of accessory sulfides and carbonates associated with barite from methane seeps in the Gulf of Mexico*

### **\$1000 Award**

Michael Rohrer, Millsaps College, *Shallow shear-wave seismic reflection imaging of deformation associated with the Daytona Beach sand blown deposits in Lee County, Arkansas*

Zexuan Wang, Western Kentucky University, *Reservoir potential of deep-water sediment-wave deposits in the northern Gulf of Mexico: new insights from seismic geomorphology*

Eli Gonzales, University of Texas, Rio Grande Valley, *Hydrological characterization of the south Texas sand sheet*

Zachary Calhoun, Auburn University, *Petrofacies and geochronological analysis of the late cretaceous Tuscaloosa group, at Stern Alabama*

### **\$500 Award**

Maya Willis, Millsap College, *Optically stimulated luminescence dating of loess deposits near the anomalous straight reach of the Big Black River, Mississippi*

Abah Omale, Louisiana State University, *Fault reactivation: An indicator of changing lithospheric strength along a passive continental margin the U.S. Gulf of Me*