

# MS/AL Engineering Society Meeting

## Beau Rivage, Biloxi, MS, June 9-12, 2019

### Sponsored By: The Engineering Societies of Alabama & Mississippi

<b>SUNDAY, JUNE 9, 2019</b>		
1:00 PM—5:00 PM	<b>EXHIBIT SET UP (Magnolia E, F)</b>	
2:30 PM—4:30 PM	<b>REGISTRATION OPEN</b>	
2:30 PM—4:00 PM	<b>MES BOARD MEETING (Magnolia H)</b>	
4:00 PM— 4:30 PM	<b>BREAK— ASPE &amp; MES BOARD OF DIRECTORS</b>	
4:30 PM - 6:00 PM	<b>ASPE BOARD MEETING (Magnolia H)</b>	
<b>MONDAY, JUNE 10, 2019</b>		
7:00 AM—8:30 AM	<b>BREAKFAST IN EXHIBIT HALL (Magnolia E, F)</b>	
7:00 AM—4:30 PM	<b>REGISTRATION &amp; EXHIBIT HALL OPEN</b>	
ROOM	Magnolia G	Magnolia H
8:00 AM— 8:50 AM	Development of NASA's Essex Wrench: An Astronaut Tool for EVA George Hamilton, P.E., F.NSPE	Update on Modular Bridge Usage in MS Pat W. Liston
9:00 AM— 9:50 AM	American Iron and Steel Requirements for Construction Projects Harry D. Gong, Jr., P.E.	Sustainable Design Using Precast Concrete (1GBCI) Dan Eckenrode
10:00 AM— 10:30 AM	<b>BREAK IN EXHIBIT HALL</b>	
10:30 AM—11:20 AM	Mentoring Women: Is There a Role for Men? Robert A. Green, PhD, P.E., F.NSPE	Cement Stabilization of Soil Shadrack Mboya, P.E.
11:30 AM—1:00 PM	<b>INSTALLATION LUNCHEON (Azalea B, C, D) -LUNCH &amp; LEARN PRESENTATION</b> Construction of shallow, protected wells in Africa Slade Exley, P.E.	
1:10 PM—2:00 PM	Assessing the Micro-Deval Test for Compacted Dense Graded Asphalt Jonathan Easterling, P.E.	An Ethical Conversation Griffin Pritchard & Bob Herbert-BELS
2:10 PM—3:00 PM	Advances in Hydraulics: A Comparison of One and Two Dimensional Modeling Techniques Mandy Farmer, P.E. & Wes Perry, P.E.	Automation, Cloud and Real Time: Electrical Engineering is Tech-ing Up James Khalil, PE and June Adams
3:00 PM - 3:30 PM	<b>BREAK IN EXHIBIT HALL</b>	
3:30 PM—4:20 PM	Overview of ASME BPVC SEC X – Fiberglass Reinforced Plastic Pressure Vessels David Hamilton, P.E.	Updates and Proposed Changes to MS Excavation Law Charles Stallings
4:30 PM—6:00 PM	<b>EXHIBITOR MEET &amp; GREET IN EXHIBIT HALL (BAR &amp; HORS D'OEUVRES)</b>	

**TUESDAY, JUNE 11, 2019**

7:00 AM—8:30 AM

**BREAKFAST IN EXHIBIT HALL (Magnolia E, F)**

7:00 AM—11:30 AM

**REGISTRATION & EXHIBIT HALL OPEN****ROOM****Magnolia G****Magnolia H**

8:00 AM— 8:50 AM

PaveXpress: Getting Comfortable with the Pavement  
Thickness Design Tool  
  
Danny Gierhart, P.E.

Natural Gas 101 Part 1  
Whit McCormack, P.E.

9:00 AM— 9:50 AM

Pavement Thickness Design Processes: A Practical  
Example  
  
Danny Gierhart, P.E.

Natural Gas 101 Part 2  
Whit McCormack, P.E.

10:00 AM— 10:30 AM

**BREAK IN EXHIBIT HALL**

10:30 AM—11:20 AM

Battery Energy Storage Systems  
—Mike Yost, P.E.—  
Neal Rich, P.E.

Designing Concrete Parking Lots with ACI 330  
  
Kenneth Justice, MCIA

Time 6:00PM-9:30PM

**FUN NIGHT-BETSY ANN RIVERBOAT DINNER CRUISE****WEDNESDAY, JUNE 12, 2019**

7:00 AM—8:30 AM

**BREAKFAST IN EXHIBIT HALL (Magnolia E, F)**

7:00 AM—10:00 AM

**REGISTRATION & EXHIBIT HALL OPEN**

7:00 AM—10:00 AM

**NOTE: REGISTRATION DESK LOCATED IN FOYER ON WEDNESDAY****ROOM****Magnolia G****Magnolia H**

8:00 AM— 8:50 AM

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Creating a Safety Culture  
Roger L. Shields, BG (US Army Retired)

8:50 AM— 9:10 AM

**BREAK IN EXHIBIT HALL**

9:15 AM—9:30 AM

**ORDER OF THE ENGINEER CEREMONY (Magnolia H)**

9:30 AM— 10:20 AM

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Ethics for Professional Engineers  
Roger L. Shields, BG (US Army Retired)