



ASCE LOUISIANA SECTION 2017 ANNUAL SPRING CONFERENCE

Le Pavillon
Lafayette, Louisiana

Thursday, April 27, 2017

&

Friday, April 28, 2017

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Final Program



Welcome to Lafayette and the 2017 ASCE Louisiana Section Annual Spring Conference! We hope that the next few days bring you a memorable experience and you make the most of this opportunity to meet with like-minded professionals who value our mission to advance civil engineering, and protect the public health, safety, and welfare.

The coming days offer a fantastic schedule of events with workshops in Hydraulics, Transportation, Structures, Geotechnical Engineering, Wastewater, Construction, Survey, Ethics, and more. The conference offers two simultaneous tracks to maximize the learning outcome, but you are welcome to attend any workshops from either track. Be sure to sign in at each workshop for attendance purposes and the PDH certificates will be e-mailed to attendees after the conference.

This conference was made possible with your participation, our dedicated volunteers, exhibitors, and our sponsors. So, thank you for coming and dedicating yourself to our Society and profession.

Sasan Daneshvar, PE

President, ASCE Acadiana Branch, 2016-17

Special Thanks to

**ASCE LOUISIANA SECTION 2017 ANNUAL SPRING CONFERENCE
PLANNING TASK FORCE**

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Ivan Diaz, PE

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April 26-30, 2017

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SATURDAY – SUNDAY

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Nightlife

Day 1 — Thursday April 27, 2017

Time	Grand Ballroom	Track 1	Track 2
7:00 - 8:30 AM	Registration & Continental Breakfast		
8:30 - 9:10 AM	Opening Address		
9:20 - 10:10 AM	No Seminar	<i>"Impact of Flooding on Communities of South Louisiana"</i> Ehab Meselhe, PhD, PE	<i>"Trench and Excavation Safety"</i> Bruce Magee
10:10 - 10:30 AM	20 minute Break		
10:30 AM-12:00 PM	<i>"Infrastructure Report Card"</i> Kam Movassaghi, PhD, PE	No Seminar	No Seminar
12:00 - 1:00 PM	Luncheon — <i>"State of the Union Address"</i> Norma Jean Mattei, PhD, PE, F.ASCE (2017 ASCE President)		
1:10– 2:00 PM	No Seminar	<i>"OpenRoads Designer - CONNECT Edition an Introduction"</i> Ray Filipiak	<i>"ACI 318: What's in Your Spec?"</i> Bill Rushing, PE
2:00 - 2:10 PM	10 minute Break		
2:10 - 3:00 PM	No Seminar	<i>"Lafayette Transportation Technology"</i> Warren Abadie, PE	<i>"Lessons Learned from Case Histories of Pile Driving"</i> Reda Bakeer, PhD, PE
3:00– 3:10 PM	10 minute Break		
3:10 - 4:00 PM	No Seminar	<i>"Accelerating Roadway Conceptual Designs and Alternatives with OpenRoads ConceptStation"</i> Ray Filipiak	<i>"The New Vertical Datum"</i> Steve Estopinal, PE, PLS
4:00 - 4:10 PM	10 Minute Break		
4:10 - 5:00 PM	No Seminar	<i>"Accelerated Bridge Construction"</i> Justin Peltier, PE	<i>"Stability of Dock Structures"</i> William Gwyn, PE
5:00 - 9:00 PM	Social Event: ASCE Crawfish Boil		

Day 2 — Friday April 28, 2017

Time	Grand Ballroom	Track 1	Track 2
7:00 - 8:30 AM	Continental Breakfast & Sign-In		
7:00 AM - 1:00 PM	Exhibits Open in the Grand Ballroom		
8:30– 9:20 AM	No Seminar	<p><i>“Horizontal Directional Drilling using ductile iron pipe”</i></p> <p>Chuck Solomon Mark Gwynn, PE Chris Richard, PE</p>	<p><i>“Roller Compacted Concrete – Implications of LTRC's Accelerated Loading Research</i></p> <p>Tyson Rupnow, PhD, PE</p>
9:20 - 9:30 AM	10 Minute Break		
9:30 - 10:20 AM	<p><i>“To Err is Human, To Engineer is Divine: The Role of Failure in Engineering Design”</i></p> <p>Tonja Koob, PhD, PE</p>	No Seminar	No Seminar
10:20- 10:40 AM	20 Minute Break		
10:40– 11:30 AM	No Seminar	<p><i>“Commission Blvd Pilot Testing for Ammonia Removal”</i></p> <p>Eric Lawrence Jon Farrel, PE Chris Richard, PE</p>	<p><i>“Construction Management at Risk, and Design Build”</i></p> <p>Raymond Reaux, PE Dax Douet, PE</p>
11:30 AM - 1:00 PM	<p>Luncheon</p> <p>Awards Ceremony</p> <p>General Membership Meeting</p>	No Seminar	No Seminar
1:00 - 3:00 PM	No Seminar	Louisiana Section Board Meeting	No Seminar
End of Conference			

Day 1 — Thursday April 27, 2017

9:20-10:10 AM

Ehab Meselhe, PhD, PE

Impact of Flooding on Communities of South Louisiana

South Louisiana and similar coastal zones of the world are highly productive and dynamic systems with a long history of human reliance on their natural resources for food, commerce, recreation and cultural identity. It has been estimated that 10% of the global population live in coastal areas less than 10-m above sea level and 25% will live in flood-prone coastal zones by 2050. This presentation discusses the necessity of developing effective tools to quantify and respond to flood events, and to communicate risks to communities inhabiting these regions

Ehab Meselhe, PhD, PE, has more than 20 years of experience researching coastal wetland hydrology, sediment transport, and computer modeling of coastal wetland, estuarine, and riverine systems. His multi-layered background includes work as an educator, researcher, and practitioner with extensive experience working with academic institutions, government agencies, and the private sector.



9:20-10:10 AM

Bruce Magee

Trench and Excavation Safety— OSHA Requirements for Engineered Systems in Underground Construction

A discussion centered on OSHA's requirements for underground workplaces. To include a discussion of recent events in the news, current contractor practices, and a recap of the best practices to avoid trench collapses on your jobsites. The review of the OSHA Standard will include an introduction to pre-fabricated, pre-engineered systems that are OSHA compliant, and a brief review of OSHA soil types.

Bruce Magee is a Branch Manager for United Rentals Trench. He has been in the industrial equipment distribution business for 36 years, the last 22 specializing in trench and excavation work. He has delivered over 330 OSHA CPT classes to more than 5000 persons in the underground construction field. He has delivered similar presentations at more than 75 engineering conferences and seminars throughout the US and Canada. He has also trained OSHA (Federal) Compliance Officers in 9 states.



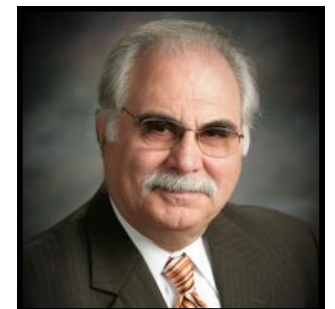
10:30-12:00 PM

Kam Movassaghi, PhD, PE, F. ASCE

Infrastructure Report Card

The Report Card for Louisiana's Infrastructure is a practical, yet powerful tool. Where infrastructure is marginally performing, crumbling or failing, immediate action should be taken by the public and our elected leaders to reverse the trend and to improve the grade. Each category that was reviewed contains specific recommendations by infrastructure experts so our leaders will have a clear course of action.

Kam Movassaghi, PhD, PE is a former secretary of Louisiana Department of Transportation and Development (LADOTD), serving 1998-2004, and president emeritus of C. H. Fenstermaker & Associates, LLC. Prior to that, he spent 25 years in academia. His last academic position was at the University of Louisiana at Lafayette (ULL) as professor and head of Civil Engineering Department. He has a B.S. in civil engineering from ULL, and M.S. and Ph.D. from LSU. Kam has held leadership positions at many national and regional organizations such as American Society of Civil Engineers, American Association of State Highway and Transportation Officials and Transportation Research Board. In 2002, he was recognized as the National Government Engineer of the year; was elected to LSU Civil Engineering Hall of Distinction in 2005 and was named National Associate of the National Research Council in 2008. In 2013, he was inducted to the Louisiana Transportation Hall of Honor.



Day 1 — Thursday April 27, 2017

12:00 — 1:00 PM

Norma Jean Mattei, PhD, PE, F.ASCE (2017 ASCE President)

State of the Union Address

Norma Jean Mattei, PhD, PE is professor and past chair at the University of New Orleans' (UNO) Department of Civil and Environmental Engineering. She has been active in ASCE for more than 20 years in local, regional and national leadership roles and was elected by the Society's membership as the 2017 ASCE President. Mattei has been a member of the UNO faculty since 1995. Her technical research interests include large watershed management, material and structural testing, sustainable re-use of spent construction and fabrication materials, and residual stress measurement. She is also interested in diversity, licensure and ethics issues.

Mattei earned a bachelor's degree in civil engineering in 1982 and a doctorate in 1994, both from Tulane University.



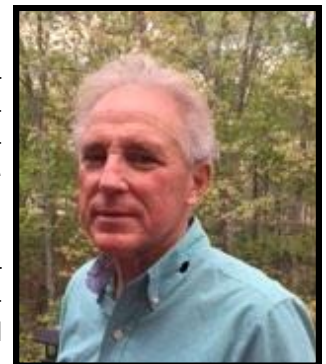
1:10 — 2:00 PM

Ray Filipiak

OpenRoads Designer - CONNECT Edition an Introduction

Open Roads Designer is a comprehensive and fully functioned detailed design application for surveying, drainage, subsurface utilities and roadway design that supersedes all capabilities previously delivered through Inroads, GEOPAK, MX, and Powercivil. In this session you will see highlights of some of the key benefits and values for the next generation of powerful civil design tools.

Ray Filipiak worked in the civil industry for 25 years for the Illinois Department of Transportation as a Construction Inspector/Surveyor, Transportation Corridor Planner, Roadway Designer and as a statewide Microstation/Geopak support person. Ray moved to the Atlanta, GA area in 1995 to work in a sales and technical capacity for C&G Survey Software. After a brief two year stay Ray joined Bentley Systems as an Applications Engineer in 1997. Ray has been involved with the Bentley Civil and Platform products for the past 32 years either as a user or in technical sales and support. Ray has been with Bentley for the past 20 years and currently serves as the Technical Manager for the Civil Applications Engineer in the Americas.



1:10 PM — 2:00 PM

William E. Rushing Jr., PE, F.ACI, Past ACI President

ACI 318: What's in Your Spec?

Specifications are dreaded by most engineers but are extremely important in ensuring the designer's intent for the concrete that is being placed and constructed. Many engineers often are not in compliance with the material requirements of 318. This workshop will review key aspects of several ACI documents including 318 and 301 to understand the engineer's responsibility in writing the material and specifying performance requirements for concrete construction.

Bill Rushing, PE, F.ACI is a Vice President with a consulting engineering firm in New Orleans, La, Bill is a practicing engineer and project manager for structural and multi-discipline projects. Bill is an active member of ACI with membership on several technical, education and administrative committees in the Institute. Bill served as Past president of the Institute in 2014-15.



Day 1 — Thursday April 27, 2017

2:10 — 3:00 PM

Warren Abadie, PE

Lafayette Transportation Technology

Warren will provide an overview of technology improvements for the Traffic and Transportation Division for Lafayette Consolidated Government. Topics discussed will include computerized signal systems, wireless vehicle detection systems, travel time systems, parking technology improvements and real time bus tracking systems.

Warren Abadie, PE was born and raised in Lafayette, LA and still resides there with his wife and four children. He went to University of Louisiana at Lafayette and received his bachelor's degree in Electrical Engineering (Computer Option) in 2003. Warren is currently employed with Lafayette Consolidated Government (LCG) where he serves as City/Parish Transportation Engineer. He began his career with LCG in 2004 as an Engineer Aide. In 2005 he was promoted to Traffic Maintenance Supervisor where he supervised crews in charge of Traffic Signals, Signs and Markings. In 2009 he was again promoted to the Traffic Signal/System Engineer. In this position he performed traffic signal timing and system engineering analysis. In 2013 he was promoted to his present position as City/Parish Transportation Engineer and oversees the Traffic Engineering Development, Signs and Markings, Traffic Signals, Transit, and Parking Divisions.



2:10 PM — 3:00 PM

Reda Bakeer, PhD, PE, D.GE, F.ASCE

Lessons Learned from Case Histories of Pile Driving

This presentation focuses on some lessons learned from case histories that involved driving of precast, prestressed concrete (PPC) piles at some sites in Louisiana. The project sites were relatively large and the subsoil conditions were explored with a number of soil borings and Cone Penetration Test (CPT) soundings. Probe piles were driven at selected locations at each site and some piles were selected to perform static compression load tests (ASTM D-1143).

Reda Bakeer, PhD, PE is a Chief Engineer of Intertek Professional Service Industries, Inc. (PSI). He has over 38 years of professional experience in the field of Geotechnical Engineering. Dr. Bakeer's professional experience encompasses the design of field and laboratory subsoil engineering investigations for various geotechnical engineering projects including residential developments, commercial and industrial structures, highways and bridges, ports, earth retaining structures and flood protection structures. He performs analyses pertaining to deep foundations, shallow foundations, foundation repair, retaining walls, bulkheads, deep excavations, soil dynamics, coastal restoration, seepage, landfills, geosynthetics and other geotechnical engineering applications. Dr. Bakeer is also a Professor Emeritus at the Tulane University School of Science and Engineering and an Adjunct Professor at the Tulane Department of Environmental Health Sciences, School of Public Health. Between 1985 and 2007, he was a Professor at the Tulane Department of Civil and Environmental Engineering.



3:10 — 4:00 PM

Ray Filipiak

Accelerating Roadway Conceptual Designs and Alternatives with OpenRoads ConceptStation

In this session you will see how OpenRoads ConceptStation is used to create a new project, import data from multiple sources, create and edit roads and bridges, place city furniture, and visualize the project. OpenRoads ConceptStation is all about speed and ease of use. It allows users to easily prototype design alternatives, allowing to conceptualize an idea in the morning and present to your stakeholders in the afternoon. It helps creating initial feasibility studies for multiple scenarios in less time.

Day 1 — Thursday April 27, 2017

3:10 — 4:00 PM

Stephen V. Estopinal , PE, PLS

The New Vertical Datum

This workshop will talk about the new 2022 datum and how it will replace NAVD '88 and NAD '83.

Stephen Estopinal, PE, PLS during the last 40 years has worked extensively with representatives of the National Geodetic Survey (NGS), the Louisiana Society of Professional Surveyors and others organization analyzing, documenting and accounting for non-conformity of vertical datum and differential vertical movement in Southeast Louisiana. Estopinal Surveying and Engineering once owned the first Continuously Operating Receiver Station (CORS) in southeast Louisiana for the express purpose of tracking vertical movement. Mr. Estopinal is a former President of Estopinal Surveying and Engineering, Inc., and a former Continuing Education Instructor for the Louisiana Society of Professional Surveyors, National Business Institute, Inc., Half Moon, LLC. and Professional Education Systems, Inc.



4:10 — 5:00 PM

Justin Peltier, PE

Accelerated Bridge Construction, S. P. No. H.000174, Bayou Lafourche Bridge

This project is located in Richland and Ouachita Parishes on US 80. It involves replacing the existing structure over Bayou Lafourche with a 560'-0" precast prestressed concrete girder bridge with full depth precast concrete deck panels. In lieu of typical post tensioning methods to introduce longitudinal compression into the deck, the patented AccelBridge_NP System was chosen as the method to introduce the longitudinal compression force in the precast deck panels.

Justin Peltier, PE graduated from the University of Louisiana at Lafayette in 2005 with a Bachelor of Science in Civil Engineering. After receiving his degree, Justin accepted a position with the LADOTD Bridge Design Section where he spent 8 years of career. There, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. He also assisted in developing and maintaining LADOTD's highway safety hardware details and specifications and served as the Engineer of Record for the LADOTD concrete barrier rail and the detour bridge special details. Justin has spent the last four years of his career with Huval and Associates, where he continues to practice bridge and structural design for various projects throughout Louisiana and the surrounding States. He has been married for nine years and he and his wife have two children.



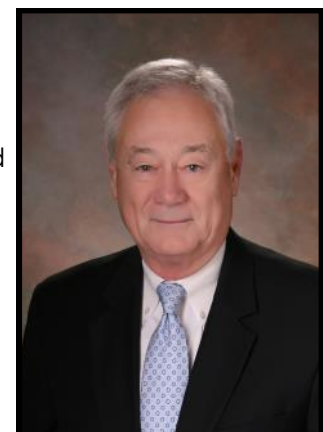
4:10 — 5:00 PM

William Gwyn, PE

Stability of Dock Structures

The presentation will address standards for the stability of dock structures. These standards have changed for use considerations and have otherwise been modified for permit requirements. The history of use in the Port of New Orleans will be presented delineating necessary changes to riverbank stability requirements. Solutions to address these emerging requirements have been incorporated into responses to permits resulting in their ultimate approval by regulatory agencies. Advancements in instrumentation including real time monitoring of stresses and deflection can provide verification of analysis and manage risk.

William Gwyn, PE serves as Chairman of the Board at Eustis Engineering, a geotechnical engineering and construction materials testing firm headquartered in Metairie, Louisiana. His 34 years with Eustis Engineering include 14 years as President.



Day 2 — Friday April 28, 2017

8:30 — 9:20 AM

Chuck Solomon, Mark Gwynn, PE, Chris Richard, PE

Horizontal Directional Drilling using ductile iron pipe

Chuck Solomon grew up in Wichita, Kansas. He was graduated in 2007 from Kansas State University with a Bachelor of Science in Mechanical Engineering. While at Kansas State, Chuck participated in the Formula SAE. In this, he was part of a team that built three fully functioning open wheeled race cars. Chuck joined AMERICAN in 2007, and works in our Dallas district covering Arkansas and western Louisiana. He is an active member of the American Water Works Association. In Dallas, Chuck attends 121 Community Church, plays soccer, and enjoys many other different hobbies and activities.



Mark Gwynn, PE has has a Bachelor's and Master's in Civil Engineering from the University of Florida in Gainesville and is a licensed Professional Engineer in Florida. Gwynn joined AMERICAN (a manufacturer of ductile iron pipe and spiral-welded steel pipe) in 1986. Gwynn is currently the Manager, Industrial Sales for AMERICAN Spiral-Weld Pipe Company and AMERICAN Ductile Iron Pipe, focusing on power/industrial plants, structural pipe piles, and trenchless technology. Gwynn is a member of AWWA, ASCE, Deep Foundations Institute, a member of ASTM A01-09 Carbon Steel Tubular Products, and ASME B31.1 Subgroup on General Requirements.



Chris Richard, PE received his Bachelor of Science in Civil Engineering from the University of Louisiana at Lafayette in 1987. He is a licensed Professional Civil and Environmental Engineer in Louisiana and a licensed Professional Engineer in Florida.

Chris has been with the consulting engineering firm of Domingue, Szabo & Associates, Inc. since 1991 where he serves as the firm's Chief Engineer. His primary area of practice is environmental engineering, specifically water and wastewater treatment.

He holds memberships in the National Society of Professional Engineers, the American Society of Civil Engineers, the American Water Works Association and the Water Environment Federation.

8:30 — 9:20 AM

Tyson Rupnow, PhD, PE

Roller Compacted Concrete – Implications of LTRC's Accelerated Loading Research

This presentation will detail the laboratory and field accelerated loading results for the roller compacted concrete test sections. Specifically, construction methods and failure details for each section will be discussed. The implementation potential and efforts of the Department will be discussed. The relationship between LTRC accelerated loading results and national design software will also be discussed.

Tyson Rupnow, PhD, PE is the Associate Director for Research at the Louisiana Transportation Research Center (LTRC). Dr. Rupnow holds a M.S. in geotechnical engineering and a Ph.D. in civil engineering materials from Iowa State University. Prior to joining LTRC, he worked as a post doctoral research associate for the National Concrete Pavement Technology Center in Ames, Iowa. Prior to promoting to the Associate Director, Research where he administers the research program for the Louisiana Department of Transportation and Development (LADOTD), he served as the Senior Concrete Research Engineer for 6 years at LTRC. Dr. Rupnow currently serves as an adjunct instructor for Louisiana State University where he occasionally teaches Civil Engineering Materials Laboratory, Soils for Construction, and a graduate course in concrete materials. Dr. Rupnow also holds an Adjunct Associate Professor position with the University of Louisiana Lafayette. Dr. Rupnow is a member of TRB Committees AFN30 Durability of Concrete and AFN10 Basic Research and Emerging Technologies for Concrete and is a Member of ACI - Louisiana. Dr. Rupnow is also a Member of ASCE and the Geo-Institute.



Day 2 — Friday April 28, 2017

9:30 — 10:20 AM

Tonja Koob, PhD, PE

To Err is Human, To Engineer is Divine: The Role of Failure in Engineering Design

Using historical examples of engineering failures, this presentation highlights the importance of ethics in designs and communications with clients for the protection of public safety.

Dr. Koob is the president of Gaea Consultants, LLC, a small, woman-owned engineering firm in New Orleans. She graduated with a PhD in Civil Engineering, with a specialty in Hydraulic Engineering, from Washington State University. She holds three Master's degrees from Tulane University in Business Administration, Environmental Engineering, and Environmental Toxicology. She has been a visiting associate professor at Tulane University and the University of New Orleans, teaching undergraduate and graduate classes in hydraulics, environmental engineering, and environmental design. She is presently the president of the ASCE New Orleans Branch and serves on the Louisiana Section board.



10:40 — 11:30 AM

Eric Lawrence, Jon Farrel, PE, Chris Richard, PE

Commission Blvd Pilot Testing for Ammonia Removal

The Lafayette Utilities System (LUS), the engineering firm Domingue, Szabo & Associates, Inc., and the equipment suppliers WesTech Engineering and Gulf States Engineering all partnered together in October 2016 through March 2017 to conduct a multi-phase pilot study in Lafayette, LA, at two of their wells. The objective of the study was to reduce the amount of ammonia in the groundwater from 0.5-0.85 mg/L down to as close to non-detect as possible.

Jon Farrel, PE is a professional engineer for WesTech Engineering, Inc. He helps people get information they need to have confidence in the process they select to clean their communities' drinking water, waste water, and industrial process water. He works on process development teams to come up with new treatment equipment or verify the performance of existing equipment. He has a passion for conducting practical studies. Currently, he works out of the Iowa office and enjoys working with his local Soil and Water Conservation Board in figuring out ways to reduce nutrients making their way to the Mississippi River and eventually to the Gulf of Mexico. Jon obtained a Master's of Science degree from Utah State University in Environmental Engineering.



Eric Lawrence is the Senior Process Engineer for WesTech Engineering, Inc. He has worked in the water and wastewater industry for 24 years serving in various positions including Field Service, Research & Development and Process Engineering. Eric specialized in pilot testing and full-scale process optimization. He has been involved with projects ranging from arsenic reduction to zebra mussel control. Eric obtained a Bachelor's of Science degree from the University of Northern Iowa and is a licensed Water and Wastewater Operator. Eric spends most of his time in the field but does have an office in the Ames, Iowa facility.



Chris Richard, PE received his Bachelor of Science in Civil Engineering from the University of Louisiana at Lafayette in 1987. He is a licensed Professional Civil and Environmental Engineer in Louisiana and a licensed Professional Engineer in Florida.

Chris has been with the consulting engineering firm of Domingue, Szabo & Associates, Inc. since 1991 where he serves as the firm's Chief Engineer. His primary area of practice is environmental engineering, specifically water and wastewater treatment.

He holds memberships in the National Society of Professional Engineers, the American Society of Civil Engineers, the American Water Works Association and the Water Environment Federation.



Day 2 — Friday April 28, 2017

10:40 — 11:30 AM

Raymond Reaux, PE, Dax Douet, PE

Construction Management at Risk, and Design Build

The objective of this presentation is to give an overview of the Design Build (D-B) and Construction Management at Risk (CMAR) delivery methods.

Raymond Reaux, PE has over 25 years of engineering and leadership experience that include design work, budgeting and planning, project management, overseeing operations, program management, and executive-level administration. In 2013 Mr. Reaux served as the chairman of Design-Build Task Force Subcommittee for the Louisiana House and Senate Committees on Transportation, Highways, & Public Works.

Mr. Reaux is currently serving as Fenstermaker's Vice President of Engineering, his responsibilities focus on providing strong direction for his team and promoting timely, quality services and exceptional customer service to cultivate an efficient, successful engineering practice within the company. Mr. Reaux also serves as Vice President of the American Council of Engineering Companies of Louisiana, and is a licensed Professional Engineer in: Louisiana, Texas, Florida, Mississippi, Arkansas, Wyoming, Pennsylvania, Oklahoma, Ohio, West Virginia, New Mexico, and Alabama.



Dax Douet, PE is an Engineering Director with 19 years of professional experience in design, planning, and project management. He has designed highways, roadways, drainage systems, interchanges, roundabouts, standard intersections, and various site developments. Mr. Douet currently is the Design Manager for the preparation of all engineering design components of the proposed upgrading of a portion of US 90 in Lafayette Parish to a six-lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new six-lane US 90 overpass structure over both Albertson Parkway and the existing BNSF railroad facility, and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. In this role, Mr. Douet is required by contract to be involved directly in every aspect of the design to include roadway, drainage, traffic, and bridge design as well as the design of Mechanically Stabilized Earth Walls (MSEW) needed to construct the US 90 mainline improvements within existing right of way.



PDH DOCUMENTATION

PRINT NAME _____

This form is to be used in documenting Professional Development Hours (PDH) earned at this conference. To use this form, print your name at the top of the form. After attending a particular session, initial the appropriate block on the form. At the conclusion of the conference sum the number of PDH's, record the total below, and sign the attested by line. This form and program then becomes documentation of attendance.

Day 1— Thursday April 27 2017		PDH	Initial
9:20 - 10:10 AM	Impact of Flooding on Communities of South Louisiana (Ehab Meselhe, PhD, PE)	1	
9:20 - 10:10 AM	Trench and Excavation Safety (Bruce Magee)	1	
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2:10 - 3:00 PM	Lessons Learned from Case Histories of Pile Driving (Reda Bakeer, PhD, PE)	1	
3:10 - 4:00 PM	Accelerating Roadway Conceptual Designs and Alternatives with OpenRoads ConceptStation (Ray Filipiak)	1	
3:10 - 4:00 PM	The New Vertical Datum (Steve Estopinal, PE, PLS)	1	
4:10 - 5:00 PM	Accelerated Bridge Construction (Justin Peltier, PE)	1	
4:10 - 5:00 PM	Stability of Dock Structures (William Gwyn, PE)	1	
Day 2 — Friday April 28 2017		PDH	Initial
8:30– 9:20 AM	Horizontal Directional Drilling using ductile iron pipe (Chuck Solomon, Mark Gwynn, PE Chris Richard, PE)	1	
8:30– 9:20 AM	Roller Compacted Concrete – Implications of LTRC's Accelerated Loading Research (Tyson Rupnow, PE)	1	
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10:40 - 11:30 AM	Construction Management at Risk, and Design Build (Raymond Reaux, PE, Dax Douet, PE)	1	

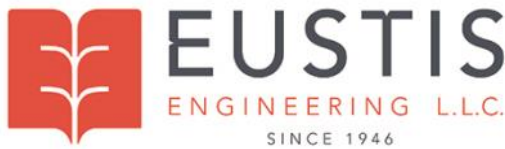
Total PDHs earned at the April 27th & 28th, 2017 attendance at the 2017 ASCE Spring Conference _____

I hereby attest that I have attended the sessions documented above and that the cumulative PDH totaled above is accurate.

Signature of Attendee: _____

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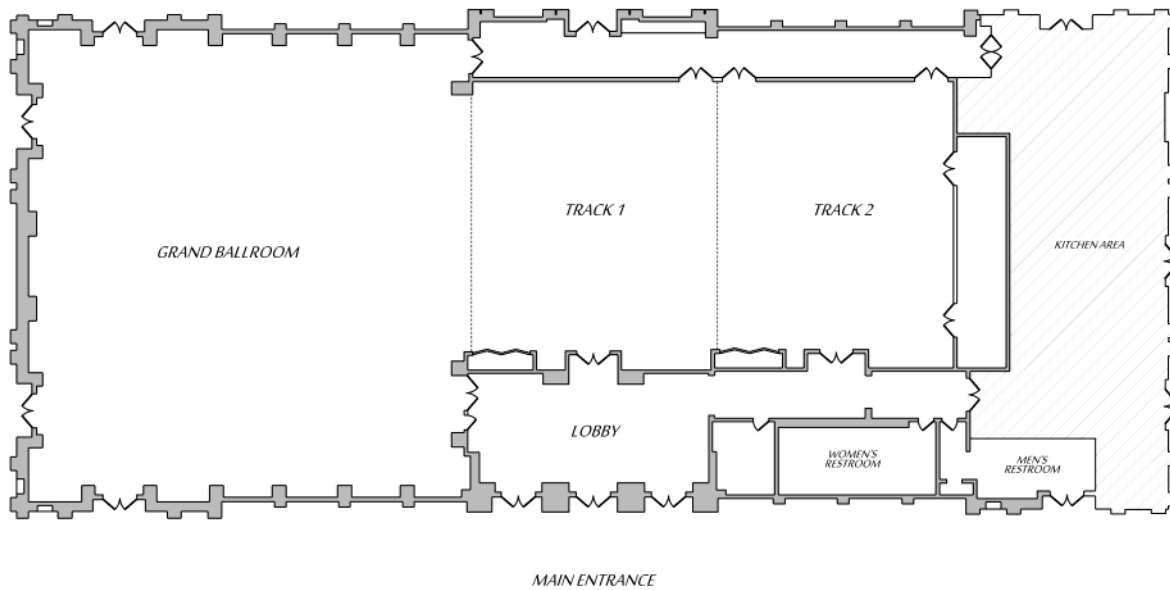
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Sigma Consulting Group, Inc.
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Helical Concepts, Inc.

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Design Precast & Pipe, Inc.
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Site Map



Visit www.asceacadiana.net for more information.

For all questions and requests contact ASCE Acadiana Branch: asceacadiana@outlook.com