

The
Gulf Region Intelligent Transportation Society
presents its
2019 Annual Conference

Rollin' on the River



November 3-6 | Natchez, MS



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Event Schedule & Locations

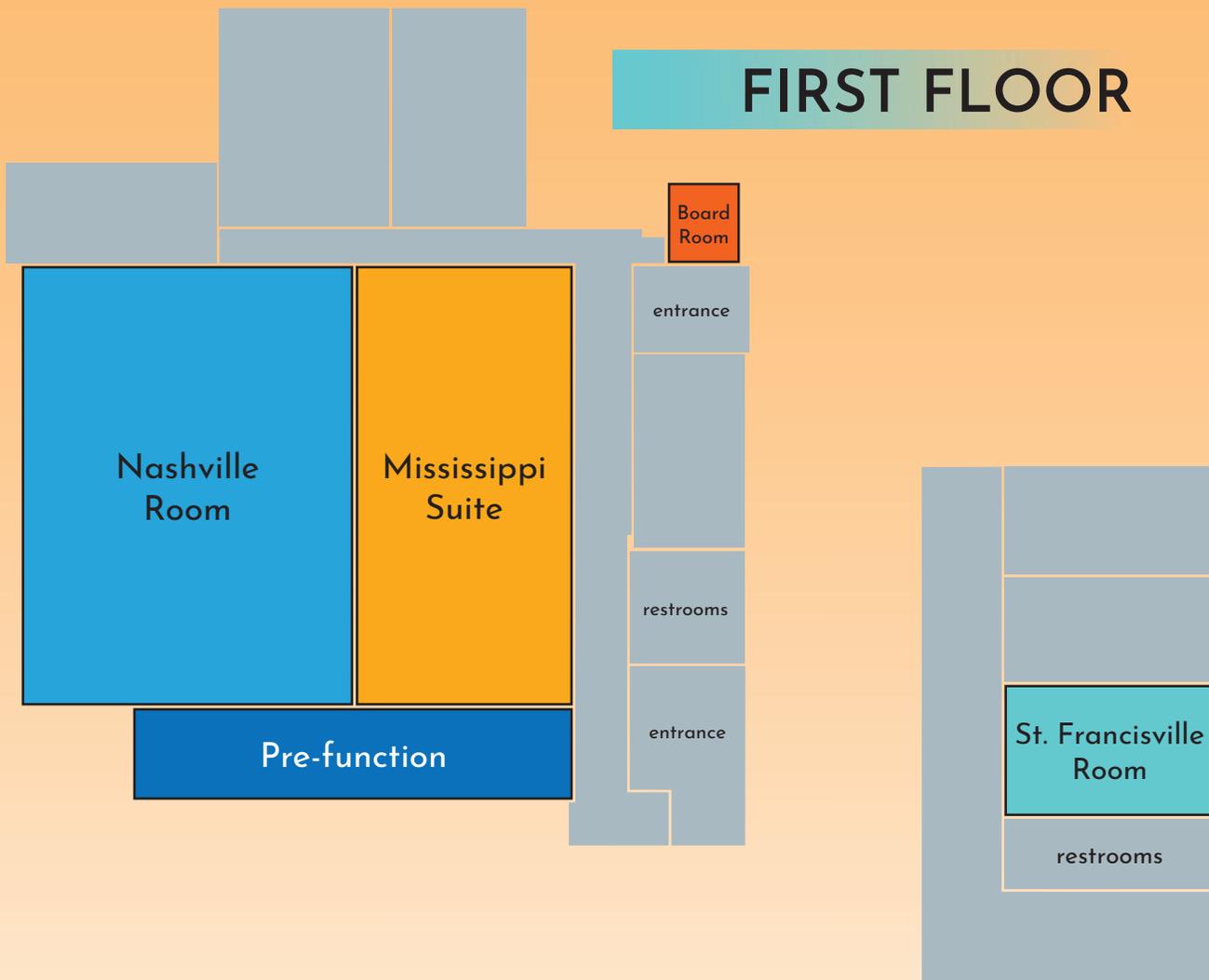
Pre-function	Mississippi Suite	Board Room	Port of Natchez	Natchez Grand Hotel
Nashville Room	Breakout Rooms*	Beau Pre	Monmouth Inn	

*St. Louis/Memphis, Greenville/Concordia, St. Francisville

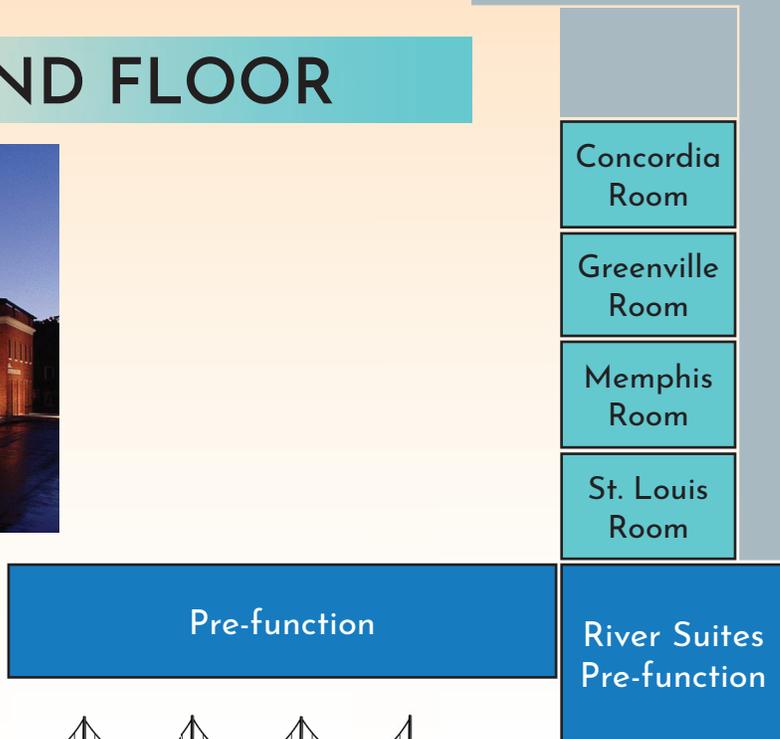
	Sunday, Nov. 3 rd	Monday, Nov. 4 th	Tuesday, Nov. 5 th	Wednesday, Nov. 6 th			
7:30 AM							
7:45 AM							
8:00 AM		Breakfast	Breakfast	Breakfast			
8:15 AM							
8:30 AM							
8:45 AM							
9:00 AM		Opening Remarks & Keynotes	Smart Cities Roundtable	State of the State			
9:15 AM							
9:30 AM							
9:45 AM							
10:00 AM	Exhibitor Load-in	Registration Exhibit Hall Open	Registration Exhibit Hall Open	Registration Exhibit Hall Open			
10:15 AM					Break	Break	Break
10:30 AM							
10:45 AM							
11:00 AM					Breakout Sessions 1, 2, 3	Breakout Sessions 9 & 10	Closing Session Keynote
11:15 AM							
11:30 AM							
11:45 AM							
12:00 PM							
12:15 PM							
12:30 PM		Lunch and GRITS Roundtable	Lunch				
12:45 PM							
1:00 PM	Registration	Registration	Registration	Registration			
1:15 PM							
1:30 PM							
1:45 PM							
2:00 PM							
2:15 PM							
2:30 PM							
2:45 PM							
3:00 PM							
3:15 PM							
3:30 PM	GRITS Board Meeting	Break	FHWA Connected Vehicles Workshop	Port of Natchez Tours			
3:45 PM							
4:00 PM							
4:15 PM							
4:30 PM		Breakout Sessions 7 & 8					
4:45 PM							
5:00 PM							
5:15 PM							
5:30 PM							
5:45 PM							
6:00 PM	Exhibitor Social	Block Party	Night Out Event				
6:15 PM							
6:30 PM							
6:45 PM							
7:00 PM							
7:15 PM							
7:30 PM							
7:45 PM							
8:00 PM							
8:15 PM							
8:30 PM							
8:45 PM							

Venue Map

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Agenda Overview

SUNDAY, NOVEMBER 3RD

1pm to 6pm: Registration (Sponsored by Intelligent Transportation Systems, LLC)

10am to 6pm: Exhibitor Load-in

3pm to 4:30pm: GRITS Board Meeting

6pm to 8pm: Exhibitor Social (Sponsored by InLine, A Uniti Company)

MONDAY, NOVEMBER 4TH

7:30am to 5:30pm: Registration (Sponsored by Intelligent Transportation Systems, LLC)

7:30am to 5:30pm: Exhibit Hall Open

7:30am to 8:30am: Breakfast (Sponsored by Temple)

8:30am to 10am: Opening Remarks and Keynotes (Sponsored by Arcadis) - Mayor Darryl V. Grennell - City of Natchez, Melinda McGrath - MDOT, and Tony English - Neaera Consulting.

10am to 10:45 am: Break (Sponsored by Kapsch)

10:45am to 12:15pm: Breakout Sessions 1, 2 & 3

Session 1: ATSSA Traffic Signals Unit

Autonomous Vehicle Technology: Experiences and Preferences of Older Drivers in the Southeast

Coming in from the Heat - Reflections of a Former(?) ITS Contractor

Session 2: Identifying and Quantifying the Causes of Congestion

Traffic Operations for the I-59/20 Downtown Birmingham Central Business District Interstate Closure

Making the Wireless Connection: ALDOT Southwest Region Wireless Network Analysis

Session 3: East Baton Rouge Emergency Vehicle Pre-emption - Project Update

Small Cell Deployment Challenges

Assessment of Waze Data for Traffic Incident Management Benefits

12:15pm to 1:45pm: Lunch and GRITS Roundtable (Lunch sponsored by TrafficWare) - Marshall Elizer - GRITS Ex-Officio, Tom Kern - Management Consulting, Chris Hilyer - ALDOT, Steve Glascock - LADOTD

1:45pm to 3:15pm: Breakout Sessions 4, 5 & 6

Session 4: "Life in the Fast Lane" - Managed Lanes Overview in Metro Atlanta

Bottleneck Ranking Metrics for Informed Decision Guidance

ITS and Cyber Security Challenges

Session 5: Case Studies of Connected and Automated Vehicle (CAV) Implementations Specific to the Southeast Region

Adaptive Traffic Control System - Lafayette, LA

Vehicle Trajectories for Improved Planning and Operations

Session 6: Protection for Intelligent Traffic Infrastructure

Grounding and Protection of Outdoor POE-fed ITS Equipment

3:15pm to 4pm: Break (Sponsored by Cisco)



Agenda Overview

4pm to 5:30pm: Breakout Sessions 7 & 8

Session 7: Data Governance Needs and Approach

After Action Review of Two Major Bridge Crashes on the Capital Beltway (I-495)
Small Unmanned Aerial Systems

Session 8: Applications of Emerging Data for Arterial Performance Monitoring

ATSPM's in Action: A Case Study on the Paul Huff Parkway Corridor in Cleveland, TN
MAP-21 PM3 Analysis Tools

6pm to 9pm: Taste of Natchez Block Party (Sponsored by Cohu/ITS Traffic)

TUESDAY, NOVEMBER 5TH

7:30am to 1:15pm: Registration (Sponsored by Intelligent Transportation Systems, LLC)

7:30am to 1:15pm: Exhibit Hall Open

7:30am to 8:30am: Breakfast (Sponsored by Stantec)

8:30am to 10am: Smart Cities Roundtable - Tony English - Neaera Consulting, Mike Schagrin - McCain Inc., Peter Ashley - Applied Information, Jeff Perkins - ParkMobile, David Smith - C Spire (Sponsored by Parsons)

10am to 10:30am: Break (Sponsored by VIBE)

10:30am to 12pm: Breakout Sessions 9 & 10

Session 9: ICMS as an Integration of Systems

TSM&O University - ITS Heartland's TSM&O Education Program
MSU Raspet Flight Center and FAA Center of Excellence for UAS

Session 10: Dangerous by Design

How Crash and Probe Data Helped Identify Operational Improvements - Making a Difference in the Real World
The Black Box: A Look at the Machine Learning Algorithms and Their Use in the Transportation Industry

12pm to 1pm: Lunch (Sponsored by Gresham Smith)

12pm to 5:30pm: Golf (Transportation sponsored by Southern Lighting & Traffic Systems)

1pm to 4pm: FHWA Connected Vehicle Workshops

1pm to 5:30pm: Port of Natchez Tours (Buses load at 1pm and 3pm, transportation sponsored by Southern Lighting & Traffic Systems)

6pm to 9pm: Monmouth Night Out Event (Sponsored by Ozark Traffic/Work Area Protection, transportation sponsored by Southern Lighting & Traffic Systems)

WEDNESDAY, NOVEMBER 6TH

7:30am to 12pm: Registration (Sponsored by Intelligent Transportation Systems, LLC)

7:30am to 12pm: Exhibit Hall Open

7:30am to 8:30am: Breakfast (Sponsored by Neel-Schaffer)

8:30am to 10am: State of the State Address

10am to 10:45am: Break (Sponsored by Deep South Communications) - Celina Sumrall - MDOT, Steve Glascock - LADOTD, Chris Hilyer - ALDOT

10:45am to 12 pm: Closing Session Keynote - Tony Barnhart - SEC Network





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- ◇ Traffic Engineering – Studies and Traffic Signal Design
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- ◇ Wireless Communication and Fiber Network Design and Implementation

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- ◇ Information Security Services and Consulting
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- ◇ Incident Response Handling

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- ◇ Intelligent Security, Access Control, and Video Surveillance
- ◇ Intelligent Transportation Systems
- ◇ Fiber Optic, Copper, and Wireless Telecommunications
- ◇ Back-up Systems and Generators

OUR NAME SAYS IT ALL

ITS LLC specializes in providing high quality solutions for the Intelligent Transportation Systems industry.

Our focus allows us to continually develop innovation in the realm of technology with which we are most familiar and most passionate about. With this in mind, our clients are getting the most advanced and specialized systems that improve traffic congestion and enhance quality of life.



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Breakout Session Details

BREAKOUT SESSION 1: St. Louis/Memphis Room

ATSSA Traffic Signals Unit - Mike Schagrin (McCain)

Autonomous Vehicle Technology: Experiences and Preferences of Older Drivers in the Southeast - Virginia Sisiopiku (UAB)

Coming in from the Heat: Reflections of a Former ITS Contractor - Dan Preslar, P.E. (Neel-Schaffer)

BREAKOUT SESSION 2: Greenville / Concordia Room

Identifying and Quantifying the Causes of Congestion - Mark Franz (CATT-Lab)

Traffic Operations for the I-59/20 Downtown Birmingham Central Business District Interstate Closure - Kelly Morgan, Jeff Stephenson, Lee Reach (Gresham Smith, Sain Associates, Inc., InLine)

Making the Wireless Connection: ALDOT Southwest Region Wireless Network Analysis - Derrick Goudeau, P.E.; Rhett Westerman; Daniel Driskell, P.E. (Stantec, Deep South Communications, ALDOT)

BREAKOUT SESSION 3: St. Francisville Room

East Baton Rouge Emergency Vehicle Pre-emption - Project Update - Doug Smith, Sarah Edel (Gresham Smith, East Baton Rouge City/Parish)

Small Cell Deployment Challenges - Rosemary Aldridge, P.E.; Albert Wilson (Neel-Schaffer)

Assessment of Waze Data for Traffic Incident Management Benefits - Michael Pack (CATT-Lab)

BREAKOUT SESSION 4: St. Louis / Memphis Room

"Life in the Fast Lane:" Managed Lanes Overview in Metro Atlanta - Kevin Smith, Lt. (Retired) (Parsons)

Bottleneck Ranking Metrics for Informed Decision Guidance - Mark Franz (CATT-Lab)

ITS and Cyber Security Challenges - Steve Bowles (360 Network Solutions)

BREAKOUT SESSION 5: Greenville / Concordia Room

Case Studies of Connected and Automated Vehicle (CAV) Implementations Specific to the Southeast Region - Christopher Melson (LSU Tran-SET)

Adaptive Traffic Control System - Lafayette, LA - Bert Moore, Andre Fillastre, Warren Abadie (Gresham Smith, Louisiana Department of Transportation Development (LADOTD), Lafayette Consolidated Government (LCG))

Vehicle Trajectories for Improved Planning and Operations - Rick Ayers (CATT-Lab)



Breakout Sessions

BREAKOUT SESSION 6: St. Francisville Room

Protection for Intelligent Traffic Infrastructure - Ron Glaser (Citel)

Grounding and Protection of Outdoor POE-fed ITS Equipment - Jason Mies (INFINITE Electronics)

BREAKOUT SESSION 7: St. Louis / Memphis Room

Data Governance Needs and Approach - Christina Florez, Sonu Goel (Gresham Smith and OST)

After Action Review of Two Major Bridge Crashes on the Capital Beltway (I-495) - Greg Jordan (CATT-Lab)

Small Unmanned Aerial Systems - James Lawson (Neel-Schaffer)



BREAKOUT SESSION 8: Greenville / Concordia Room

Applications of Emerging Data for Arterial Performance Monitoring - Michael Pack (CATT-Lab)

ATSPMs in Action: A Case Study on the Paul Huff Parkway Corridor in Cleveland, TN - Matt D'Angelo, Pdraig Landry (Gresham Smith, Miovision)

MAP-21 PM3 Analysis Tools - Rick Ayers (CATT-Lab)

BREAKOUT SESSION 9: St. Louis / Memphis Room

ICMS as an Integration of Systems - Clay Weston (Southwest Research Institute)

TSM&O University: ITS Heartland's TSM&O Education Program - Matthew Volz, P.E. (HDR)

MSU Raspnet Flight Center and FAA Center of Excellence for UAS - Dallas Brook (MSU)

BREAKOUT SESSION 10: Greenville / Concordia Room

Dangerous by Design - John Lower (Iteris)

How Crash and Probe Data Helped Identify Operational Improvements: Making a Difference in the Real World - Terri Johnson (Inrix)

The Black Box: A Look at the Machine Learning Algorithms and Their Use in the Transportation Industry - Meredith Cebelak (Gresham Smith)



Innovative Transportation Solutions

BUILDING WITH THE END IN MIND

InLine, A Uniti Company uses cutting edge technology and proven construction practices along with access to the best fiber company in the country to deliver innovative transportation solutions. We're keeping communities connected by integrating communication and information technology applications into the management and operation of transportation systems across all modes.

SERVICES

Intelligent Transportation Infrastructure

Through the deployment of "Smart Technologies" we can increase taxpayer satisfaction of our nation's transportation networks without additional widening by improving safety, mobility, efficiency, productivity, and energy while reducing environmental impacts.

Communication Concessionaire (Public-Private Partnering)

As a carrier-neutral service provider, InLine develops communication concessionaire partnership models for designing, building, financing, operating, and maintaining self-sustained critical intelligent communication infrastructure.

Connected Communities

Our team of experienced experts is committed to helping our clients deploy the next generation of mobility solutions for smarter, safer, and seamlessly-connected communities.

SOLUTIONS

InLine can design, build, maintain, furnish and install:

- CCTV (Closed Circuit Television) Cameras
- Fiber Optic Communication
- Conduit
- Pole Structures
- ATMS (Advanced Traffic Management System)
- DSRC (Dedicated Short Range Communications)
- V2X (Vehicle to Everything)
- Dynamic Message Signs and Signal Working



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Tour of the Port of Natchez

Tour the Port of Natchez Tuesday afternoon. The Natchez-Adams County Port is located on the river frontage beneath the towering 200-foot tall Natchez Bluff. Millennia ago, the loess bluff stopped the eastward progress of the river in its tracks, forcing it to back into its ordained descent to the Gulf of Mexico.



The Port specializes in handling unitized, palletized, containerized, dry bulk liquid, baled, heavy lifts and Roll on Roll off cargo.

Connected Vehicles Workshop

During this course participants will be introduced to the technological components required for Connected and Autonomous Vehicles (CAVs), the hardware/software being deployed at the CV Pilot sites, and overall lessons learned from the design/build/test phase of the three pilots. You will learn about recent activities supported by the ITS Joint Program Office and resources available from the connected vehicle research program sponsored by the U.S. DOT. The course normally takes a day to deliver. It has been truncated to fit into a four-hour format for the GRITS Annual Meeting.





Intelligent Transportation Society
Gulf Region ITS

ANNUAL MEETING · LAKE CHARLES, LA
OCTOBER 26-29, 2020



Mark your calendars for the GRITS 2020 Annual Meeting. We're excited to be hosting the meeting in Lake Charles, LA. The event will be filled with many opportunities for participants to learn about ITS, network with fellow conference attendees, and have some fun in Lake Charles!

Keynote Speakers

Tony English has spent 25 years leading security, data center and ITS projects. He is the technical lead for the Wyoming Connected Vehicle Pilot. Tony is a developer on the Secure Data Commons USDOT project, which manages data from nationwide Waze data set, three pilots Connected Vehicle data and other big data sets.

Tony commanded an Army Combat Heavy Engineer company in northern Iraq in 2003-2004. He received a bronze star for his service. Tony then used his talents to found Neaera Consulting Group with his wife Debbie in 2004. Neaera Consulting Group is a small company focused on solving robotics, security and big data problems using skilled engineering and programming talent. Tony and Debbie are also the founders of the world championship finalists Highlanders FIRST FRC Robotics team.

Tony graduated from CSU with a degree in Mechanical Engineering and officers commission with the Army. He lives in Fort Collins, Colorado, with Debbie and their children Kayla, Megan and Michael.

Tony is the opening keynote speaker and a participant in the Smart Cities Roundtable.



Tony Barnhart is in his 44th season of covering college football for newspapers, radio, television and the internet. He is currently in his sixth season as a college football analyst for The SEC Network and is a columnist for TMGcollegesports.com.

Previously he was a college football analyst for CBS Sports and a reporter for ESPN's College Game Day. He spent 25 years at The Atlanta-Journal Constitution as a college football writer.

Tony has authored five books on college football, including the autobiographies of Vince Dooley and Larry Munson.

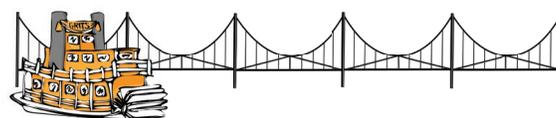
Tony is a 1976 graduate of the Henry W. Grady School of Journalism at the University of Georgia. He has been inducted into the school's Grady Fellowship, signifying career achievement and contributions to Journalism.

In 2016 Tony received the Contribution to Amateur Football Award from the National Football Foundation and College Hall of Fame. In 1999 Tony was named the Georgia Sports Writer of the Year.

Tony is a native of Union Point, Ga. He currently lives in Dunwoody, GA, with his wife, Maria, who was his high school sweetheart. Their daughter, Sara Barnhart, is a graduate of the University of Georgia School of Law. She serves as Corporate Counsel for Product, Sales and Marketing for Cox Communications, Inc.

Tony and Maria have a granddaughter, Sloane, who came into the starting lineup of life on Aug. 23, 2012.

Tony is the closing keynote speaker.



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Smart Cities Roundtable Speakers

Mike Schagrin is the Program Manager for Connected and Automated Vehicle (CAV) initiatives at McCain Inc., a major manufacturer of traffic control technology and an innovator and leader in connected transportation solutions. Mike provides overall leadership and direction to the company's expanding CAV efforts, including vehicle-to-infrastructure and intelligent infrastructure offerings. Mike drives the company's technology innovation and development efforts, establishes collaboration opportunities with academia and industry, and oversees pilot and real-world deployments.

Prior to working at McCain, Mike led the US Department of Transportation's connected vehicle research program which developed the framework for vehicle-to-vehicle and vehicle-to-infrastructure communications and deployed the world's largest model deployment on connected vehicle safety. Mike also led many international collaboration activities on connected and automated vehicle research with both Europe and Japan.

With over 25 years of experience in Intelligent Transportation Systems, Mr. Schagrin has been an active part of the connected vehicle evolution since the very beginning.



Peter Ashley is the Vice President of Business Development and Marketing at Applied Information where he leads the company's team of sales and marketing professionals. He has over 10 years of worldwide experience in the Intelligent Transportation Systems business based in three different countries.



Jeff Perkins is Chief Marketing Officer of ParkMobile, the leading provider smart parking and mobility solutions in the U.S. Prior to ParkMobile, Jeff was the CMO of QASymphony where he helped establish the brand and grow revenue 500% over a three-year period, leading to a \$40 million Series C with Insight Venture Partners. He also has held senior marketing leadership positions at PGi and AutoTrader.com.

Jeff started his career grinding it out in the NYC ad industry at Saatchi & Saatchi. His experiences range from traditional to digital, B2C to B2B, and agency-side to client-side. Jeff's work has earned him numerous accolades including a Stevie Award for Marketing Executive of the Year and the Atlanta Business Chronicle's MAX Award for marketing excellence.

Jeff received his BA from American University and MBA from Emory University's Goizueta Business School. He is a frequent contributor to several marketing publications and a speaker at many industry events. When he's not working, you might find him riding his Peloton bike or attending a Bruce Springsteen concert (he's been to 32 so far). He lives in Atlanta with his awesome wife, two adorable daughters (ages 8 and 11) and two dogs.



David Smith, a 23-year veteran of the Mobile Services Industry, is Vice President of Network Engineering for C Spire, a Diversified Telecommunications and Technology Services company. Based in Ridgeland, Mississippi, C Spire operates several lines of Business: Wireless, Fiber, Home Services, Business Solutions, Cloud and IP Technology with a full array of products and services developed and engineered with the customer in mind. Smith has been directly involved in the Engineering and Development of the C Spire Wireless Network since 1996 evolving from Analog to current 4G/5G Technology with over (1500) sites deployed and operational.

In his current role, Smith provides leadership and management of the company's overall Wireless Network Design, Radio Access Network (RAN) Optimization, Outside Plant (OSP) Fiber Design and Splicing, Zoning and Permitting, Network Capacity Planning and Network Analytics for nearly 1 million customers in Mississippi and parts of Alabama, Tennessee and Florida.

Smith is a 1996 Graduate of the University of Mississippi with a Bachelor of Science degree in Electrical Engineering and is a member of various wireless associations, groups and organizations.





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Gulf Region Intelligent Transportation Society (GRITS) – 2019 Annual Meeting

Meeting Date: November 3rd - 6th, 2019
Natchez Convention Center, Natchez, Mississippi

Partial Agenda:

Monday, November 4th

8:30 – 10:00 a.m. Opening Remarks and Keynote Speaker (1 PDH) _____

10:45 a.m. – 12:15 p.m. Breakout Session 1, 2 or 3 (1.5 PDH) _____

1:45 p.m. – 3:15 p.m. Breakout Session 4, 5, or 6 (1.5 PDH) _____

4:00 p.m. – 5:30 p.m. Breakout Session 7 or 8 (1.5 PDH) _____

Tuesday, November 5th

8:30 a.m. – 10:00 a.m. Smart Cities Round Table (1.5 PDH) _____

10:30 a.m. – 12:00 p.m. Breakout Sessions 9 or 10 (1.5 PDH) _____

1:00 p.m. – 4:00 p.m. FHWA Connected Vehicle Workshop (4 PDH) _____

Wednesday, November 6th

8:30 a.m. – 10:00 a.m. State of the State (1.5 PDH) _____

NOTE: See full meeting agenda for details of Technical Breakout Sessions.

PDHs Earned: _____ Maximum of 14

Attendee: _____

Acknowledged: _____

NOTE: Attendee is responsible for all record-keeping relative to PDHs. Attendee should retain a copy of this form in personal records for future use, along with a copy of the full meeting agenda.

