ALPHARETTA ANNOUNCES PROPOSED PATH SIMILAR TO ATLANTA BELTLINE

The City of Alpharetta unveiled plans during its 2017 State of the City Address in late February for the first phase of the "Alpha Loop." The completed loop will span approximately eight miles and will connect the city's downtown area to big projects,



including the Avalon complex and Big Creek Greenway in an effort to make the city more pedestrian friendly.



BRASFIELD & GORRIE COMPLETES NEW MIDTOWN TOWER

Brasfield & Gorrie, one of the nation's largest privately held construction firms, recently completed construction of "Azure on the Park," a 25-story multi-family tower overlooking Atlanta's Piedmont Park. The apartments have several unique features, including an acrylic-edge pool cantilevered off the building's edge – a feature that is the first of its kind in Georgia. Brasfield & Gorrie served as general contractor, teaming with architect Rafael A. Garcia and Associates to complete this project for Atlantic Realty Partners.

ENDOWMENT SCHOLARSHIP ESTABLISHED FOR WOMEN IN CIVIL ENGINEERING AT KENNESAW STATE UNIVERSITY

Ellen Long, Founder of Long Engineering Inc., and husband, Shepherd, a trustee of the Kennesaw State University Foundation, established the Ellen and Shepherd Long Endowed Scholarship for students in the Southern Polytechnic College of Engineering and Engineering Technology. The scholarship specifically benefits women studying civil engineering and was first awarded for the 2016-2017 academic year.

GEORGIA PORTS AUTHORITY REACHES EFFICIENCY AGREEMENT WITH VIRGINIA PORT AUTHORITY

Representatives of the Georgia Ports Authority (GPA) and the Virginia Port Authority (VPA) filed a voluntary cooperation agreement in late February with the Federal Maritime Commission to create the "East Coast Gateway Terminal Agreement." The agreement encourages collaborative cooperation in operational and supply chain efficiencies, safety, communications and customer service, as well as many other arenas. GPA Executive Director, Griff Lynch, and VPA CEO and Executive Director, John Reinhart, released a joint statement in support of the agreement and their belief that it will allow both ports to operate more effectively.

GEORGIA SOLAR PROGRAM REBATE OFFERED TO STATE GOVERNMENT ENTITIES

Georgia Environmental Finance Authority (GEFA) intends to provide a rebate to Georgia counties, cities and K-12 public schools in order to increase awareness and education of renewable energy production. The rebate will reimburse up to 50 percent of the cost of materials, design and installation for up to 60 kilowatt ground mount or rooftop solar. Program funding is provided by the U.S. Department of Energy and recipients must follow federal funding guidelines, as well as fill out an application form between March 15 - April 3, 2017 to be considered for eligibility.

GEORGIA TECH COLLEGE OF ENGINEERING DEAN SELECTED AS NEXT UC DAVIS CHANCELLOR

The Dean of the College of Engineering at the Georgia Institute of Technology (Georgia Tech), Gary May, is leaving, following his selection to become the next Chancellor of University of California Davis (UC Davis). May has been at Georgia Tech for nearly 30 years, receiving his Bachelor's degree in electrical engineering from the Institute and serving as Dean of the College of Engineering since 2011.



GEORGIA TECH EARNS TOP 10 RANKING NATIONALLY FOR SECOND CONSECUTIVE YEAR

According to the 2018 U.S. News and World Report's ranking of graduate programs nationwide, Georgia Tech's College of Engineering ranked No. 7 on the list for the second consecutive year. All eleven of the Institute's College of Engineering programs placed in the top ten as well: Aerospace (No. 2), Chemical (No. 6), Civil (No. 2), Computer (No. 5), Electrical (No. 6), Environmental (No. 7), Industrial (No. 1), Materials (No. 8), Mechanical (No. 6) and Nuclear (No. 9) Engineering, as well as Biomedical and Bioengineering (No. 3).

POND ACQUIRES LANDMARK ENGINEERING

Pond, an engineering, architecture, planning and construction firm headquartered in Peachtree Corners, Ga., announced the acquisition of Jacksonville, Fla.-based Landmark Engineering. The move increases Pond's Florida presence with three offices and expanded resources to serve both companies' clients across the Southeast.

SAVANNAH REGIONAL TRAFFIC OPERATIONS PROGRAM BEGINS IMPROVEMENTS

Savannah officials have started work to improve traffic flow throughout several areas of the city. In the first program of its kind outside of the metro Atlanta area, the Savannah Regional Traffic Operations Program partners the City of Savannah with the Georgia Department of Transportation. The program will upgrade signals, adjust timing patterns and improve traffic responsiveness using travel time detectors, historical travel time data and real time information. The first step in the process, installing 41 cameras throughout the city, is slated to be completed by the beginning of summer.



SR 15A/SR 82 Over Curry Creek – Honor Award Winner 2017 ACEC Georgia Engineering Excellence Awards



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The Pulse | NEWS BRIEFS

A SPOTLIGHT ON THE 2017 WAYNE SHACKELFORD SCHOLARSHIP WINNERS:

or the eighth consecutive year, the Intelligent Transportation Society of Georgia (ITS Georgia) supported student involvement in intelligent transportation system (ITS) engineering and science through the Wayne Shackelford Engineering Scholarship Program. Shackelford was an early ITS visionary, Georgia Department of Transportation Commissioner and Co-Founder of ITS Georgia. This year's scholarship program recognized three winners, who each submitted an abstract – summarized below – to answer the following question: Assume that in 30 years connected and autonomous vehicles will account for 100 percent of the vehicle fleet. In your opinion, what will the job of the ITS professional look like in that future?

ANIRBAN CHATTERJEE

Chatterjee is a Computational Science and Engineering M.S. and Ph.D. student at the Georgia Institute of Technology (Georgia Tech) with plans to graduate in May 2019.

A fleet consisting solely of connected and autonomous vehicles will have substantial impacts on transportation, the economy and the environment. This technology will bring an array of new possibilities, and with each possibility, new challenges. ITS professionals will be at the forefront in realizing the potential of this technology to create safer and more efficient transportation systems.

The ITS professional will play two key roles in the realization of this potential: the long-term role as researcher of core ITS concepts and the short-term role as practitioner of ITS technology. In the long-term, the work in this field will involve the betterment of algorithms and protocols that guide these vehicles to work safely and efficiently. In the short-term, ITS professionals will have a job that ranges from maintenance of traffic operations, optimization of urban planning and integration with new supplementary technologies.

ZOE TURNER-YOVANOVITCH

Turner-Yovanovitch is a Civil Engineering student who will graduate from Georgia Tech with a B.S. in December 2017.

The role of the ITS professional will change in the tools they use, considerations they take and possibilities that come with time and new technology; however, the main objectives and responsibilities to move people in a safe, efficient, sustainable and intelligent manner will remain. With a 100 percent autonomous vehicle fleet, infrastructure will need to change in order to accommodate the different social and utility aspects of the car.

Minivans can grab your groceries and mail, but will need more room on the road for the increased number of trips taken every hour. The environmental impacts could be significant if the manufacturing of cheap autonomous vehicles precedes the research, technology and policy for "green" transport options. Finally, the possibilities for incorporating flexible technology and tackling previously "unavoidable" issues will be greatly increased. The ITS professional will continue to use their creativity and skills to surpass these goals in 2040.

WILLIAM WOOLERY

Woolery is a Civil Engineering student in the B.S./M.S. Joint Degree Program at Georgia Tech where he received his B.S. degree with highest honors in December 2016.

Technology continues to redesign life, including the prediction that in thirty years the future transportation model will be 100 percent connected and autonomous vehicle systems. The autonomous vehicle movement and structure will demand an ITS leader who will not only understand all levels of transportation and passenger movement, but knowledge extending to the environment, population shifts, legislation and academia.

Complex traffic processes will demand aggressive collaboration, communication and safety oversight by the ITS expert, which aligns with transportation-environmental sustainability. Finding ways to get the population "transportation technology connected," improve worklife balance and educate all regarding integrated systems, no matter

what economic level, will be top priority.

ITS specialists will strategize multimodal travel methods specific for each community using autonomous vehicles to effortlessly switch between vehicles, busses, trains and planes and therefore reduce travel time and increase ease of access to transportation. Future ITS professionals will constantly innovate and explore for new opportunities and improvements.

The Pulse | ON THE MOVE

AEROTROPOLIS ATLANTA ALLIANCE has named **Shelley Lamar** its first Executive Director effective March 6, according to a statement issued by Pedro Cherry, CFA of Georgia Power. Lamar, a former JAT Consulting Services, Inc. employee, has more than 17 years of experience in planning, management and community engagement positions with the City of Atlanta's Department of Aviation and other private consulting firms.

ATLANTA REGIONAL COMMISSION hired two new members to its executive team: **Susan Chana** as Director of the agency's Center for Strategic Relations and **Samyukth Shenbaga** as Manager of its Community Development Division. Chana will oversee ARC's efforts to build stronger networks for regional action and progress through communications and marketing, government affairs and community engagement. In his new role, Shenbaga will lead a team of planning professionals working on a range of community development and land use planning initiatives, including the Livable Centers Initiative community grant program, Developments of Regional Impact reviews and transit-oriented development.

THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) recently promoted **Alvin Gutierrez** to Project Delivery Team Leader at the Federal Highway Administration - Georgia Division.



Sam Wellborn & Ann Purcell

THE GEORGIA STATE TRANSPORTATION

BOARD announced the re-election of **Ann R. Purcell** of Rincon and **Sam Wellborn** of Columbus to the 14-member State Transportation Board, which governs GDOT. Purcell and Wellborn were each unanimously re-elected by a caucus of State Representatives and Senators to serve five-year board terms set to begin in April 2017.

HNTB CORPORATION announced the

advancement of Robert J. Slimp, P.E.

to a new role as Chairman, President and

CEO of HNTB Holdings ITD. Slimp will also continue to serve as Chief Executive Officer for HNTB, a position he has held

GRESHAM, SMITH AND PARTNERS (GS&P) added **Shawn Reese**, **P.E.** to its transportation group in Alpharetta. Reese joins as a Senior

Vice President and Principal Design Engineer and will serve as a mentor to the transportation staff throughout the firm's South division to help continually improve engineering quality for design projects.

since 2013.



Robert Slimp

INFRASTRUCTURE CONSULTING & ENGINEERING recently added Environmental Services to its list of professional services. **Barrett Stone** will lead the new group as Environmental Services Manager. Stone brings 19 years of environmental experience to the team, followed closely by **Kristen Maines**, Senior Environmental Planner, who brings 16 years of experience. Rounding out the four-person team are **Crystal Fox** as Senior Environmental Specialist and **Cody Connor** as Environmental Specialist.

MSA PROFESSIONAL SERVICES hired **Mark Lenters, P.E., David Low, P.E.** and **Thao Truong, P.E.** to its Atlanta office's transportation team as Roundabout Specialists. The team is committed to advancing the GDOT roundabout program in a statewide on-call, as well as on individual projects.

NEW SOUTH CONSTRUCTION announced the promotion of three employees: **Brad Chambers** to Assistant Preconstruction Manager and **Tyler Isgett** to Senior Preconstruction Manager at its Marietta location, as well as **Alex Seglem** to Project Manager at its Statesboro office.



NOVA ENGINEERING AND ENVIRONMENTAL recently welcomed Eric Tay, P.E. to its Kennesaw location as a Project Manager for the Geotechnical Engineering Department. Tay earned his civil engineering degree from the University of Texas at Austin and is a registered P.E. in Georgia, Texas and Virginia.

Eric Tay



Glenn Martin

John Lathram

Bryan Evans

POND welcomed **Glenn Martin** as Environmental Services Project Manager, as well as **John Lathram** as Program Manager for the Oil and Gas Division's Fuel Construction Sector. Martin and Lathram will both be based at Pond's Corporate Office in Peachtree Corners. In addition, **Bryan Evans**, Program Director of Corrosion Control, also in the firm's Oil and Gas Division, was promoted to Principal of the firm.

PRIME ENGINEERING continues to grow, hiring **Joshua Emery** as a Survey Crew Chief in the Infrastructure Department. Emery brings more than 12 years of Geographic Information Systems (GIS) and surveying experience to the firm.



MORE THAN ENGINEERING



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The Pulse | OUT & ABOUT



Jennifer Lott and Tori Brinkley, all of T.Y. Lin International, during their tour at the Porsche Cars North America Headquarters facility.





BUILDING GEORGIA LEGISLATIVE DAY: Cory Pfau of Southeastern Engineering, James Grimes of Golder Associates, Fahim Attar of Heath & Lineback Engineers, Andrew Nelson of Amec Foster Wheeler and Elizabeth Scales of Infrastructure Consulting & Engineering during the breakfast portion of Building Georgia Legislative Day.



2017 TOOTHPICK BRIDGE COMPETITION: ITE Georgia Section outreach volunteers – Megan Klar, Marie Diaz, Amy Diaz, Robert Baker, Nate Prath, Liz Johnson and Patrick McAtee – help with the annual competition.



BUILDING GEORGIA LEGISLATIVE DAY: Darren Johnson of Ellinwood Machado and Chad Boyea of PES Structural Engineers, along with Chad Warren and Barry Clark of Pond, network prior to the presentation from Keynote Speaker Attorney General Chris Clark.



2017 TRANSPORTATION WINTER WORKSHOP: Keynote speaker Rick Jones, Director of Planning for Columbus Consolidated Government, at the Winter Workshop hosted by ASHE Georgia and ITE Georgia Section.



2017 STATE OF MARTA BREAKFAST: David Springstead, Assistant General Manager for MARTA's Capitol Development & Programs, with Jeff Parker and Kimberly Hudgins of HNTB, as well as Jim Weinstein and Jack Buckingham of AECOM.



BUILDING GEORGIA LEGISLATIVE DAY: Ed Ward with Nielson, Ward, Gann & Associates alongside Laura Garrett and Brian Newsome of Albion Scaccia Enterprises, a full-service, general contracting, design-build and construction management company.



BUILDING GEORGIA LEGISLATIVE DAY: Michael "Sully" Sullivan with ACEC Georgia (left) and Mike Dunham with AGC Georgia (right) alongside Attorney General Chris Carr.



BUILDING GEORGIA LEGISLATIVE DAY: Richard Morales, Past-President of the American Society of Civil Engineers – Georgia Section, with Michael "Sully" Sullivan, ACEC Georgia President and CEO, Jeffrey Chiu of KYCA Design Consultants and Ray Wilke with the City of Atlanta's Department of Watershed Management.



2017 STATE OF MARTA BREAKFAST: C.E.R.M. Managing Director AL Edwards with Kwadwo Atta of Atkins North America join Jack Buckingham of AECOM prior to the event, which took place at the Omni Atlanta Hotel at CNN Center.

The Pulse | OUT & ABOUT





Mayor Mike Mason of Peachtree Corners with his wife, Debbie, are joined by Amber Gratwick and husband, Mayor Pro Tem Weare Gratwick, prior to the awards ceremony.

Jim Wilgus of the Cobb County Department of Transportation and his wife, Judy of Prime Engineering, alongside Erica Frost and Gill Page, also of Prime Engineering, during the cocktail reception.



Anita Atkinson of Patterson & Dewar Engineers with Tyler Ashcraft and Julie Secrist of Southeastern Engineering.



Charles Ezelle (far left) of Thomas & Hutton, with Michael "Sully" Sullivan of ACEC Georgia (far right) present the Engineering Excellence Grand Prize Award to Suzanne Johnson and Dustin Heizer with Amec Foster Wheeler for their environmental work on the Porsche Cars North America Headquarters/Aerotropolis.



John Heath of Heath & Lineback Engineers (far left) and wife Juliet (far right), alongside Georgia Department of Transportation (GDOT) Commissioner Russell McMurry and his wife, Michelle.



Michael "Sully" Sullivan with ACEC Georgia helps deliver an Engineering Excellence Honor Award to Justin Knight and Shanna Thompson with Geosyntec Consultants, Inc. for the Fort Gillem Vapor Intrusion Investigation project.



Brian Moote, radio personality from Q100's The Bert Show, served as Master of Ceremonies for the evening's event.



Greg Teague with Croy Engineering, Tracy Rathbone with Town Center Community Improvement District, Chandria Brown of GDOT, Chris Rideout of Croy Engineering and Jim Wilgus of the Cobb County Department of Transportation accept the People's Choice Award for the Skip Spann Connector project.

the cocktail reception.



Courtney Knight with wife, Daveitta Jenkins Knight of CH2M, during



ACEC Georgia Chairman Charles Ezelle presents David Woods of Pond, Adrian Gibson of Lockheed Martin and Jim Mabry of Pond with an Engineering Excellence Honor Award for their work on the C-130J Simulator Facility.



John Hutton of Uzun + Case, LLC and wife, Laura Bryant, prior to the awards ceremony where Hutton was honored as Engineer of the Year in Private Practice.

The Pulse | EVENTS CALENDAR





LUNCH AND LEARN: CONVERSATIONS WITH GEORGIA'S TRANSPORTATION AGENCY HEADS

12:00p.m. Georgia Regional Transportation Authority 245 Peachtree Center Avenue NE, Suite 400 Atlanta, GA 30303

Join WTS Atlanta members and industry peers for a "lunch and learn" to hear from the leaders of Georgia's various transportation agencies, including: the Atlanta Regional Commission, Georgia Department of Transportation, MARTA and the State Road and Tollway Authority/ Georgia Regional Transportation Authority.

Register at www.wtsinternational.org/atlanta



ITS GEORGIA CHAPTER MEETING: SENATE TRANSPORTATION COMMITTEE AGENDA

11:30a.m. – 1:00p.m.

Georgia Department of Transportation One Georgia Center 600 West Peachtree Street, Atlanta, GA 30308

The Intelligent Transportation Society of Georgia (ITS Georgia) will host its March Chapter Meeting, featuring updates on the latest legislation affecting transportation and spending. Senator Brandon Beach, Chairman of the Senate Transportation Committee, will present about his role and legislative agenda for advancing transportation throughout the state.

Cost: \$30 – Members; \$15 – Retired Members; \$40 – Non-Members; \$5 – Students

Register at www.itsga.org



2017 SOUTHEAST FEDERAL AGENCY Symposium and Networking Event

Dunwoody Country Club 1600 Dunwoody Club Drive, Atlanta, GA 30350

Hosted by the Society of American Military Engineers – Atlanta Post, the second annual Southeast Federal Agency Symposium will kick off with networking and a reception at Top Golf – Alpharetta. The second day features updates from federal agencies in the Southeast that procure the services of A/E/C firms.

Cost: \$225 – Full Conference Attendee; \$150 – Symposium Only; \$100 – Top Golf Networking Only

Register at www.sameatlantapost.org



ASCE GEORGIA SECTION CHARITY GOLF TOURNAMENT

11:30a.m. Shotgun Start The Golf Club at Bradshaw Farms 3030 Bradshaw Club Drive Woodstock, GA 30188

This annual golf tournament raises funds to help support the ASCE Georgia Section Nicaragua missions. ASCE Georgia Section's 2016 Charity Golf Tournament helped fund a team of ASCE Georgia members in designing and constructing a 90-foot pedestrian bridge that provides safe crossing for children and other villagers to their local school and church in Kansas City, Nicaragua. This year's fundraising dollars will go toward improving access to decontaminated drinking water. ASCE Georgia Section is looking to partner with Rotary as part of its Global Grant program to raise money to provide a solar-powered advanced filtration unit for the villages.

Cost: \$150 – Individual; \$600 – Four-person Team

Learn more at www.ascega.org/golf-tournament



ACEC GEORGIA PAC GOLF TOURNAMENT

7:30a.m. – 2:30p.m. Bear's Best Golf Club 5342 Aldenburgh Drive, Suwanee, GA 30024

Join ACEC Georgia for its second annual PAC Golf tournament, an event to raise money for the association's Political Action Committee (PAC). The day begins with a shotgun start and golfing alongside invited Georgia Representatives and Senators, as well as industry leaders from across the state. The day concludes with lunch, prizes and networking after the tournament. Buy raffle tickets for the chance to win a Scotty Cameron Select Newport Putter or F210 Drone, among other prices.

Cost: \$175 - Members; \$275 - Non-Members

Register at www.acecga.org



ASHE 2017 ANNUAL SUMMER GOLF TOURNAMENT

1:00p.m. Shotgun Start River Pines Golf Club 4775 Old Alabama Road, Johns Creek, GA 30022

This annual golf tournament is a four-person scramble format benefiting the Jim McGee Scholarship Fund. Space is limited, so make sure to register early!

Cost: \$75 – Members; \$85 – Non-Members; \$65 – Government Employees and Students

Learn more at www.georgia.ashe.pro



ACEC GEOGIA LEADERSHIP PLANNING RETREAT

The Biltmore Estate 1 Lodge Street, Asheville, NC 28803

Join ACEC Georgia Chair-Elect, John Heath of Heath & Lineback Engineers, along with ACEC Georgia's Board members and leadership, for the opportunity to help guide, develop and discuss the association's strategic goals, political agenda and industry priorities for the coming year. **Register at www.acecga.org**



STEM EXPLORING AND ENGINEERING ACADEMY

Georgia Institute of Technology North Avenue NW, Atlanta, GA 30332

The 2017 STEM Exploring and Engineering Academy is an opportunity for high school students to live on the campus of the Georgia Institute of Technology and go behind-thescenes at more than 25 Atlanta-area companies including: General Electric, Georgia Power, the Georgia Aquarium and Hartsfield-Jackson Atlanta International Airport. The Academy covers a

variety of STEM topics with a strong emphasis on engineering by giving students hands-on experiences and showing its impacts on everyday life.

Learn more at www.atlantabsa.org



GEORGIA ENGINEERS SUMMER CONFERENCE

Wyndham Grand Clearwater Beach 100 Coronado Drive Clearwater, FL 33755

Make plans to join engineering, community and business leaders in sunny Clearwater, Florida at the brand-new Wyndham Grand Clearwater Beach resort! Content during the annual event focuses on the business of engineering, leadership development, networking and more. And, mark your

calendar to join us again each Summer: June 7-10, 2018 in Charleston, S.C. and June 6-9, 2019 at Disney's Yacht & Beach Club, Fla.

Cost: \$600 – Members; \$800 – Non-Members

Register at www.acecga.org

VISIT ENGINEERINGGA.COM TO SEE MORE EVENTS HAPPENING ACROSS THE STATE!



APRIL 29, 2017 FERNBANK MUSEUM OF NATURAL HISTORY

This half-day program introduces elementary & middle-school aged girls to engineering.

\$10 Family Registration Fee Includes: Entrance into the Museum Dream Big IMAX Movie Additional Activities Lunch

Learn more at acecga.org