



ATLANTA AEROTROPOLIS CIDS CREATED

Airport West Community Improvement District (CID) and Airport South CID are partnering up to jointly form the Atlanta Aerotropolis CIDs. While the CIDs will remain separate and distinct entities, they are working together on public safety, transportation and infrastructure projects to help further the economic development and regional connectivity of the region.



ACC President & CEO,
Murray K. Griffin.

GEORGIA-BASED FIRM, ACC, CELEBRATES 10TH ANNIVERSARY

Atlantic Coast Consulting, Inc. (ACC) is celebrating its 10th year in business. The firm was started by two Savannah natives, Murray K. Griffin, P.E. and Richard Deason, P.E., in late 2005 in Roswell, Ga. Soon afterwards, ACC opened its Savannah office. ACC provides expertise in solid waste design, permitting, construction administration engineering, construction quality assurance (CQA), environmental monitoring, operations and maintenance, as well as general civil engineering.

ANNIE BLISSIT NAMED ACEC YOUNG PROFESSIONAL OF THE YEAR

Gresham, Smith and Partners' Annie Blissit, EIT, ENV SP has been named a 2016 Young Professional of the Year by the American Council of Engineering Companies (ACEC). The national award recognizes five young engineers from across the nation whose contributions to the industry have made an impact on society. Blissit graduated from Carnegie Mellon University in 2012 with degrees in both Civil Engineering and Engineering and Public Policy and is currently pursuing a Master's degree in Environmental Engineering from the Georgia Institute of Technology.

MULKEY ENGINEERS NOW CALYX ENGINEERS + CONSULTANTS

Mulkey Engineers officially announced its name change to CALYX Engineers + Consultants in early March. The change is in response to a new chapter in the company's history, marked by the retirement of founder Barbara Mulkey.



A group of ITE members on a tour inside the Transportation Management Center.

TRANSPORTATION MANAGEMENT CENTER CELEBRATES 20TH ANNIVERSARY

The Georgia Department of Transportation's (GDOT) Transportation Management Center (TMC) is celebrating its 20th anniversary in 2016.

"The Transportation Management Center (TMC) was constructed just in advance of the 1996 Olympic Games in Atlanta. It housed the brand-new Navigator traffic management system, as well as security officials monitoring the Games. Since the initial 1996-era system, Navigator has increased its coverage mileage by nearly 10 times," Mark Demidovich, Assistant State Traffic Engineer at GDOT, told *Engineering Georgia* magazine.

At the time of its construction, Marion Waters was the State Traffic Engineer: "The technologies all of us use today were not even options. The words "Internet," "cellphone network" and "Geographic Positioning System (GPS)" were not even in the request for proposal issued by the Department in late 1992. The GPS that drives the location services we use for mapping today was restricted by the military at that time. Maps were on paper, not on our phones.

In any case, the Transportation Management Center was conceived of as a functioning hub for emergency operations that would stand the test of time. It was built to the highest construction standards, with drilled pile foundations, redundant electrical power feeds, emergency generating capacity and backup systems for every critical area of the building. The materials used for the interior were selected for durability and functionality – and every feature was designed to allow the building to change and adapt to new technologies."

The TMC was recently renovated to provide for an expanded workforce. With the renovation, floor space increased from 1,500 square feet to 3,000 square feet, and the number of operator workstations increased from 19 to 36. A 20th anniversary celebration, which will also showcase the renovation, is planned for June. ▶

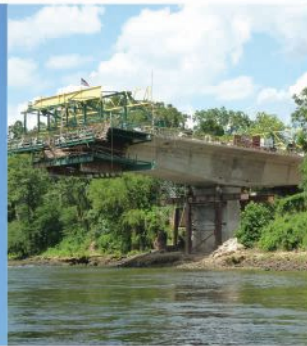


Heath & Lineback Engineers, Inc.

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Awards Gala

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INTELLIGENT TRANSPORTATION SOCIETY (ITS) OF GEORGIA: 2016 WAYNE SHACKELFORD SCHOLARSHIP WINNERS

The ITS Georgia Chapter supports student involvement in the engineering profession and encourages future Georgia ITS engineers through the Wayne Shackelford Engineering Scholarship Program. This year marked the seventh consecutive year of the awards. Students submitted abstracts in answer to the following question: *In transportation, new data collection and connectivity technologies are creating incredible opportunities to improve the safety and efficiency of our vehicles and highways. Discuss at least two of the benefits and two of the challenges that these new technologies will present.* ▶



*The 2016 scholarship winners:
Carly Queen, Aaron Greenwood, and Chieh "Ross" Wang.*

ENGINEERING GEORGIA IS PROUD TO FEATURE EXCERPTS FROM EACH OF THE THREE WINNERS' ABSTRACTS:

1

CARLY QUEEN

Queen is a third-year, dual Master's degree student at Georgia Institute of Technology (Georgia Tech), pursuing a Master of Science in Civil Engineering and a Master of City and Regional Planning, with a focus on transportation systems.

Transportation data collection and connectivity technologies offer many potential benefits, but face complex challenges as well, including difficulty in predicting driver behavior, utilizing collected data effectively and adapting policies to keep up with evolving technologies. Safety is a primary motivation behind making vehicles and transportation corridors more intelligent and connected, but there is an inherent risk related to safety and reliability when implementing new technologies.

Connected vehicles and infrastructure also have the potential for improved efficiency of space, time and energy in urban areas. However, unless we could transition to all connected and autonomous vehicles overnight, human drivers will continue to play a major role in our transportation system and environment. Improved efficiency may induce more demand for travel, which could increase sprawl and energy consumption. Further, data processing and policy making are falling behind the rapid pace of technological change, which may deter innovation if not addressed.

2

AARON GREENWOOD

Greenwood completed his doctorate in Civil Engineering at Georgia Tech in 2015.

The intelligent transportation system (ITS) network is an armada of cameras, speed sensors and vehicle detectors, all networked using miles of copper and fiber; but, that's not what travelers see. The availability of smartphones with data connections and GPS opens the door for improving energy efficiency and reducing congestion by giving drivers information.

Recent studies (Zhu & Levinson, 2015) indicate that the majority of trips do not follow the quickest path. While variations in route choice may seem inconsequential to drivers, a few extra minutes – or even seconds – aggregates to hundreds of hours of wasted time on the road network. By working with developers to make simple and straightforward consumer-facing implementations of route choice and trip time selection, it is possible to leverage existing ITS data to improve system throughput and reduce travel time by showing drivers how they can save time by shifting their route or schedule.

3

CHIEH "ROSS" WANG

Wang is expecting to complete his Ph.D. degree at in Civil Engineering at Georgia Tech in 2016.

New data and new means of communication have opened a door to achieving a safer and more efficient transportation system. Technologies such as DSRC (dedicated short range communications), Bluetooth, infrared cameras and other wireless sensors can not only revolutionize the ways transportation data is collected, but also generate real-time information for system users and managers to make better decisions.

Opportunities, nevertheless, come with challenges. One of the biggest challenges is how one can utilize, integrate, mine and manage this "big data" to yield useful information and, consequently, better decisions instead of "garbage in, garbage out." The demand for data analytical skills in engineering therefore reveals a potential gap between college education and real-world practices.

As transportation engineers, it is our job to identify, understand, educate and address the benefits and challenges technologies bring so that we can stay awake, adjust to new ideas, remain vigilant, and shape a better future of transportation.

"Stay awake, adjust to new ideas, remain vigilant, and shape a better future of transportation."



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AMEC FOSTER WHEELER announced the promotion of **Ann Massey** to President, Environment & Infrastructure Americas. Ann will be based out of the firm's Atlanta office and will report to **Simon Naylor**, Group President for the Americas region.



Jeff Toebe (left), receives the Chairman's gavel courtesy of Past Chairman, Phil Greeves, President of JAMCo, Inc.

THE ASSOCIATED BUILDERS AND CONTRACTORS OF GEORGIA recently installed McCarthy Building Companies' **Jeff Toebe** as the Chairman of the Board.

ATKINS announced the addition of **Brian Bolick** as a Senior Project Director for the company. Bolick has a degree in Civil Engineering from the University of Clemson and more than 25 years of experience within the engineering industry.

BALFOUR BEATTY CONSTRUCTION recently hired **Russ Brockelbank** as Project Executive. Brockelbank will oversee multiple high-profile projects and is poised to lead the effort of expansion into the commercial office and hospitality markets.



Dotun Famakinwa

BURNS & MCDONNELL has promoted **Dotun Famakinwa, P.E.** to the position of Transmission and Distribution Practice Manager for the Atlanta regional office. He will lead a team of 50 engineers and technical professionals in Atlanta and Orlando, Florida, working on large substation and transmission projects.

GRESHAM, SMITH AND PARTNERS added **Miles Ellenberg** as a Water Resources EIT. Ellenberg recently received his Master of Science in Environmental Engineering from the University of Michigan.

GLE ASSOCIATES, INC. hired **Matthew Howe, PG** as a Senior Engineer/Scientist. Howe has a Bachelor of Art in Geology with a minor in Environmental Studies from Wittenberg University. He has more than 15 years of experience in environmental consulting and geotechnical engineering and will perform Phase I and II environmental site assessments, as well as soil and groundwater remediation for the company.

HUSSEY GAY BELL announced the expansion of its Savannah-based architecture team with the hire of **Antonio Serrano**. Serrano has more than 15 years of industry-related experience specializing in residential, commercial and military projects.



Brian Patrick

JBA CONSULTING ENGINEERS announced the promotion of **Brian Patrick** to Director of Consulting and Technology.

MICHAEL BAKER INTERNATIONAL welcomes back **Rick Strickland, P.E.** to its team as a Project Manager. The firm also announced the promotion of **Beth Ann Schwartz, P.E.** to Senior Associate; Schwartz has been with Michael Baker for the past 15 years. In addition, Michael Baker announced that 450 employees earned recognition by becoming newly appointed corporate officers or associates through the company's Corporate Officer and Title program.



Scott Edwards

NOVA ENGINEERING AND ENVIRONMENTAL'S Kennesaw office welcomed **Scott Edwards, P.E.** as a Construction Services Group Manager. He brings 20 years of engineering experience to the team, with an emphasis in construction materials testing, special inspections and geotechnical engineering. Scott earned a Bachelor's degree in Civil Engineering Technology from Southern Polytechnic State University.



Daren Zywicki



Jeff Doubrava

S&ME welcomed **Dr. Daren Zywicki** as a Principal Engineer for the firm. With 20 years of experience in geotechnical engineering and construction, Zywicki has expertise in deep excavation support in urban areas, including work in New York, Miami, Cleveland and Washington, D.C. The firm also welcomed **Jeff Doubrava, P.E.** to its Atlanta office. Doubrava spent the first 10 years of his career in the Atlanta market and in 2010 transferred to Nashville, Tennessee, to lead S&ME's geotechnical engineering services in the middle and western parts of the state. Doubrava is a Senior Engineer with 15 years of geotechnical engineering and construction materials testing experience on transportation, industrial, energy and commercial projects.



Andrew Simms

PRIME ENGINEERING expanded its Infrastructure Department with the addition of **Andrew Simms, EIT** to its team as a Project Engineer. Simms earned his Master's Degree in Environmental Engineering from the Mercer University School of Engineering.



Oliver Weston



Brandon Brewer

W. R. TOOLE ENGINEERS, INC. announced two new hires to their Augusta office: **Oliver Weston, EIT** joined the firm's municipal infrastructure group and **Brandon Brewer, EIT** has joined the firm's transportation group. Weston graduated from North Carolina State University with a Bachelor's of Science in Civil Engineering, while Brewer graduated from Georgia Southern University with a Bachelor's of Science in Civil Engineering, Magna Cum Laude.



Keith Ziobron

RESOLUTE ENVIRONMENTAL & WATER RESOURCE CONSULTING announced the addition of **Keith Ziobron, P.E.** As the firm's Principal Engineer, Ziobron will focus on brand expansion in the areas of brownfield assessment and redevelopment, environmental compliance and permitting, as well as economic development.

WE PROUDLY CONGRATULATE OUR 2016 AWARD WINNERS

Rob Jacquette, PE
YOUNG ENGINEER
OF THE YEAR



Jay Wolverton, PE
ENGINEER OF THE YEAR
PRIVATE PRACTICE

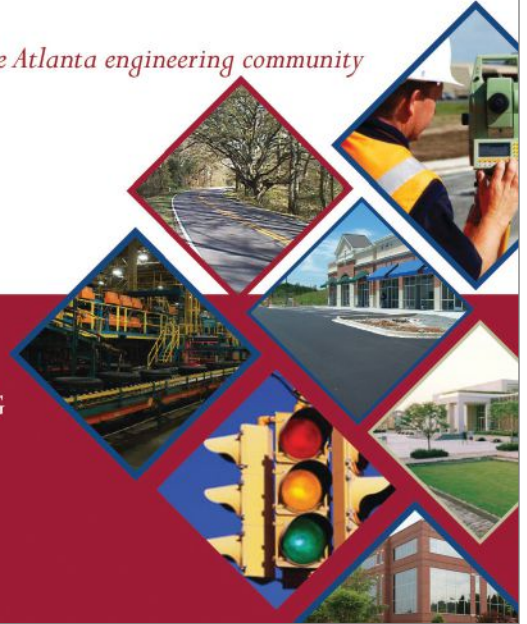
Thank you for your contributions to Wolverton & Associates and the Atlanta engineering community

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- LAND SURVEYING ◆ INDUSTRIAL & BUILDING DESIGN

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The Pulse | OUT & ABOUT



BUILDING GEORGIA LEGISLATIVE DAY: Michael Sullivan, President and CEO of ACEC Georgia, shares updates on the legislative session with the 2015-2016 ACEC Georgia Future Leaders group.



BUILDING GEORGIA LEGISLATIVE DAY: Mark Woodall, Director of Government Affairs for the Associated General Contractors of Georgia, & Rilo Stephens, President of Eckardt Electric Company.



BUILDING GEORGIA LEGISLATIVE DAY: Mike Holt with Parsons Brinckerhoff, Ron Osterloh with Pond & Company and Buddy Gratton with Moreland Altobelli Associates, Inc.



ACEC GEORGIA GENERAL MEMBERSHIP MEETING: Antonio Valenzuela, Assistant Director of Transportation for Fulton County & Ricardo Navarro of Infrastructure Consulting & Engineering, LLC.



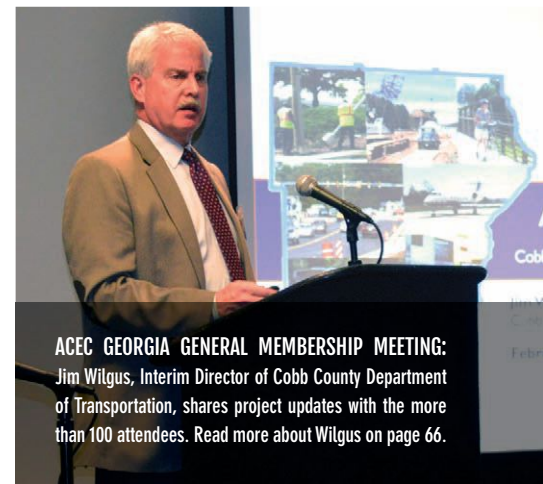
ACEC GEORGIA GENERAL MEMBERSHIP MEETING: Gina Bennett with OLH, Inc., Patrick Pecot with CDM Smith and Diana Baycura with Sundance Consulting Group network beforehand.



FUTURE CITY REGIONAL COMPETITION: Competition Judges, Juan Gonzalez of Jacobs Engineering, Bill Ruhsam of Michael Baker International and Amy Diaz of Southeastern Engineering during the Future City Regional Competition at Kennesaw State University.



ACEC GEORGIA GENERAL MEMBERSHIP MEETING: Members of the United Consulting team, one of the morning's sponsors.



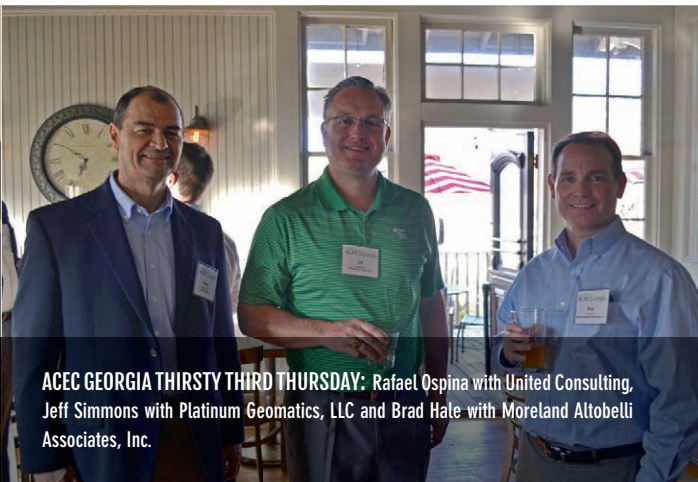
ACEC GEORGIA GENERAL MEMBERSHIP MEETING: Jim Wilgus, Interim Director of Cobb County Department of Transportation, shares project updates with the more than 100 attendees. Read more about Wilgus on page 66.



6th ANNUAL GEORGIA ASHE/ITE WINTER WORKSHOP: Kabearny Godwin, Jackie Kawa, Winnie Long, Sean Coleman, Jinwoo Seo and Mike Blanchette, all with Kimley-Horn, at the event held in Augusta, Georgia.



ITE JANUARY SOCIAL: Members of ITE Georgia at the January Social, which took place in Buckhead at The Painted Pin.



ACEC GEORGIA THIRSTY THIRD THURSDAY: Rafael Ospina with United Consulting, Jeff Simmons with Platinum Geomatics, LLC and Brad Hale with Moreland Altobelli Associates, Inc.



ACEC GEORGIA THIRSTY THIRD THURSDAY: Daniel Carpenter and Alyssa Windley of ExactSource with Eddie Williams of Keck & Wood (center).



ASCE TOOTHPICK BRIDGE COMPETITION: ITE's Engineering Outreach supported ASCE's Toothpick Bridge Competition at the Fernbank Science Center.



2016 STATE OF MARTA BREAKFAST: MARTA Chief of Staff, Rukiya Thomas, giving remarks at the sold-out event.



2016 STATE OF MARTA BREAKFAST: Tony Seba, keynote speaker for the event, with MARTA CEO, Keith Parker and journalist Saba Long of SaportaReport.



2016 STATE OF MARTA BREAKFAST: Keith Parker, CEO of MARTA, discussing Georgia's transit future with the media at the January breakfast.

2016 ENGINEERS WEEK AWARDS GALA



Wolverton & Associates' employees and their wives: Rob and Emily Jacquette; Joe and Karen Macrina; along with Jay and Ann Wolverton.



Doug Robinson — of Walter P Moore, the evening's Engineering Excellence Grand Award recipient — and wife, Liset with Darrell and Denise Rochester of Rochester & Associates.



Juliet and John Heath of Heath & Lineback Engineers, with Saurabh Bhattacharya, Aykut Urgan and Sunita Nadella of Parsons during the cocktail reception.



The annual event, hosted by the Georgia Society of Professional Engineers, was kicked off by GSPE Board member Luther Cox, Jr., P.E.



More than 250 people were on-hand to celebrate the night's honorees.



Ken Harmon, Provost and Vice President of Academic Affairs at Kennesaw State University, with his wife, Mary. Kennesaw State University celebrated three Engineer of the Year Award winners at the event.



Georgia Engineer of the Year in Government recipient, Ray Wilke, P.E. with his family.



Kristen and Jason Shepherd of Burns & McDonnell with Tom Gambino of Prime Engineering and wife, Amelia. Both firms were honored during the Engineering Excellence Awards portion of the program.



ASCE Georgia President-Elect Shaukat Syed and current President Richard Morales, along with Iain Risk, an intern at LB Foster Piling and Lisa Woods of HNTB Corporation.



Jan and Murray Griffin of Atlantic Coast Consulting, Inc.



The Engineering Excellence State and Grand Prize Award recipients of Walter P Moore.

2016 EVENTS

APR
11
2016

2016 SOUTHEASTERN FEDERAL AGENCY SYMPOSIUM: TOPGOLF NETWORKING EVENT

3:00p.m. – 7:00p.m.
Topgolf – Alpharetta
10900 Westside Parkway, Alpharetta, GA 30009

Kick off the 2016 Southern Federal Agency Symposium with a different kind of golf event and quality networking. No golfing experience necessary – everyone can play!

Cost: \$125 – Regular Attendee

Register at www.sameatlantapost.org

APR
12
2016

2016 SOUTHEASTERN FEDERAL AGENCY SYMPOSIUM

8:00a.m. – 3:00p.m.
Dunwoody Country Club
1600 Dunwoody Club Drive, Atlanta, GA 30350

This event provides access to federal agencies in the Southeastern region and highlights their goals, objectives and upcoming contracting opportunities.

Cost: \$225 – Regular Attendee
\$50 – Government Employee
\$250 – Walk-in Attendee

Register at www.sameatlantapost.org

APR
13
2016

SEAOG GENERAL MEMBERSHIP MEETING: CASE STUDY OF THE COLLEGE FOOTBALL HALL OF FAME

6:00p.m. – 7:45p.m.
Hudson Grille – Brookhaven
4046 Peachtree Road, NE, Atlanta, GA 30319

The program, presented by Darien Sykes, P.E. of Sykes Consulting, Inc., will provide an overview of the structural work for and best practices learned from the College Football Hall of Fame in Downtown Atlanta.

Cost: \$30 – SEAOG Members; \$40 – Non-Members;
\$20 – Full-time Students

Register at www.seaog.org

APR
14
2016

BRANCHING OUT: IDEAS TO HELP GROW YOUR TECHNICAL STAFF INTO BUSINESS DEVELOPERS

8:00 a.m. – 10:00 a.m.
Offices of Morrison Hershfield
1455 Lincoln Parkway East, Suite 500
Atlanta, GA 30346

This event, which is a part of the SMPS Bootcamp Series, will teach attendees how to: first, understand the technical person's perspective on business development (BD); second, provide usable tools to get technical staff engaged in and comfortable with business development activities; third, assess your technical and BD staff's strengths.

Cost: \$35 – SMPS Member/Guest; \$55 – Non-member; \$65 – Walk-In

Learn more at www.smpsatl.org

APR
21
2016

ASCE GEORGIA 2016 CHARITY GOLF INVITATIONAL

10:30a.m.
Golf Club of Bradshaw Farm
3030 Bradshaw Club Drive
Woodstock, GA 30188

Proceeds from this tournament directly benefit the ASCE Georgia Younger Members Group, who will be traveling to Nicaragua in partnership with "Rivers of the World" to assist with the engineering and construction of a much-needed footbridge.

Cost: \$125 – Player; \$500 – Foursome (before April 1)

Register at www.ascega.org

APR
29
2016

ACEC GEORGIA INAUGURAL PAC GOLF TOURNAMENT

11:00a.m. – 7:30p.m.
Bear's Best Golf Club
5342 Aldeburgh Drive, Suwanee, GA 30024

This inaugural event offers the opportunity to golf alongside invited Georgia Representatives and Senators, as well as industry leaders and clients from around the state. The day will begin with lunch, followed by a shotgun start and conclude with a reception, prizes and networking after the tournament.

Cost: \$175 – ACEC Georgia Members; \$275 – Non-Members

Register at www.acecga.org

MAY
5
2016

ASHE 2016 JIM MCGEE SCHOLARSHIP GOLF TOURNAMENT

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

Join ASHE Georgia for its largest event of the year! This annual golf tournament is a four-person scramble format and you can select your own team. All proceeds from the tournament go directly to the Jim McGee Scholarship Fund.

Cost: \$75 – ASHE Members; \$85 – Non-Members;
\$62 – Government Employees; \$62 – Student ASHE Members

Learn more and register at www.georgia.ashe.pro

MAY
12
2016

GEORGIA ITE MONTHLY MEETING

11:30a.m. – 1:00p.m.
Park Tavern
500 10th Street NE, Atlanta, GA 30309

This luncheon will feature an update on the BeltLine and conclude with a tour of the eastside of the BeltLine. The meeting is also the association's "Bring a Friend Day" with raffle opportunities for non-Georgia ITE members.

Register at www.gaite.org

NOVA Engineering & Environmental's Ethan Gillespie, Emerald Smith, Derek Grimsley, Tyler Welsch and Dennis Southern celebrated St. Patrick's Day at ACEC Georgia's Thirsty Third Thursday event.

JUN
17
2016

JUN
20
2016

2016 SUMMER SEMINAR

The King and Prince Beach and Golf Resort
201 Arnold Road, St. Simons Island, GA 31522

Hosted by Georgia ITE, this annual conference will provide valuable technical sessions in a relaxed environment, networking with some of Georgia's transportation leaders, the opportunity to earn PDH and AICP CM hours and fun for the whole family.

Register at www.gaite.org

JUN
23
2016

JUN
26
2016

GEORGIA ENGINEERS SUMMER CONFERENCE

Disney's Contemporary Resort
Walt Disney World® Resort
Lake Buena Vista, FL 32830

This event will offer an exclusive look at the bleeding edge technology and innovation used to build and maintain *Walt Disney World®* Resort, as well as the opportunity to network with industry leaders, earn PDHs and use discounted tickets to the parks – all while staying at Disney's Contemporary Resort!

Cost: \$550 – ACEC Georgia, ASCE, GEF, GSPE and IEEE Members; \$750 – Non-Members (before April 22)

Register at www.acecga.org

