



Georgia Chapter of APPA  
Leadership in Educational Facilities

# GAPPA News

## February 2016

“Leadership in Georgia Educational Facilities”

**Jekyll Island 2016!** convention is coming soon. Come and bring your experience and achievements to share with others.

The 2016 Trade Show will have 100 exhibitors and numerous other sponsored business partners who are bringing solutions, services and equipment that will help you get the most for your campus dollars.

There will be stipends provided for up to \$800 per individual, with a maximum of two stipends awarded per institution, to support travel and/or lodging for members. Registration deadline is May 1st, 2016. Find the Institutional Registration form at [www.gappa.org](http://www.gappa.org)



Courtesy: [ExploreJekyllIsland.com](http://ExploreJekyllIsland.com)!

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# Green Revolving Investment Tracking System (GRITS).

GRITS is a project-management web tool that allows users to track and analyze the energy, financial, and carbon savings data from their energy- and resource-efficiency projects, as well as access a library of over 1,100 projects completed by other GRITS users across the U.S. and Canada. While core features will be available at no cost to institutions, access to GRITS is unlimited—which allows users to input unlimited projects, create additional user accounts, and includes the ability to create comprehensive graphs from project data—which will be available at a substantial discount if an institution decides to upgrade. This new free APPA member benefit has a retail value of between \$800-\$2,400 depending on your institution size and is not a time-limited trial.

This summer, 34 APPA institutions took part in a 6-month pilot using GRITS, and they entered 218 efficiency projects into the system. These projects have already saved APPA members a total of \$3.49 million, 212,150 MMBTUs of energy, and 4,050 metric tons of carbon emissions. We received great reviews of GRITS from these schools, which led us to partner with GRITS and create a way to give a free version of the tool to any APPA member institution who wants to access it.

More information about [GRITS](#) and about how to gain access to the tool will be provided during next week's official announcement. Please stay tuned for the launch of this great new opportunity for APPA members!

E. Lander Medlin

APPA's Executive Vice President

## GAPPA and Georgia Power put on a great workshop

On October 21<sup>st</sup> at the GA Power Customer Resource Center., there were 18 in attendance representing a variety of Universities and Business partners. We learned about VRF systems, Heat Recovery for Chiller Systems, Energy Efficiency Rebate programs, Electric Commercial Kitchen Appliances, and Work Place Charging Electric Transportation Initiatives. Additionally, everyone enjoyed a fine lunch prepared at the center and cooked with the model commercial electric kitchen. The learning outcomes were very relevant to attendees and will help them to make future decisions that will benefit their institutions, environment, and budgets.

This workshop was a great success and GAPPA is in discussions with Georgia Power in an effort to develop similar programs that we can hold in satellite locations around the state. GAPPA hopes that this will create opportunities for members who were unable to travel to Atlanta.



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# Happy Birthday, Georgia Tech

On Oct. 13, 1885, the Georgia School of Technology was founded as part of a plan to help transform the agrarian South into an industrial economy. The university officially opened three years later after the construction of Tech Tower and a shop building. It enrolled 84 students and offered only one degree — in mechanical engineering.

Marilyn Somers, director of Georgia Tech's Living History Program, said she is amazed at how rigorous Georgia Tech was — even in the early days.

“It is clear that from its very beginning, the intention was to set the bar high academically,” said Somers. “Based on the evidence of retention, they met the goal, as only one out of five students who were accepted, were still in school three months later.”

That level of rigor has, no doubt, contributed to Georgia Tech's transformation into a science and technology powerhouse. This year, for the 16th consecutive year, *U.S. News & World Report* has ranked Tech one of the top 10 public universities. It also has Tech listed at No. 7 among public universities and 35th among all national universities.



**1885** – On Oct. 13, the Georgia Legislature passed a bill appropriating \$65,000 to found a technical school.

**1888** – The Academic Building, known today as the Lettie Pate Whitehead Evans Administration Building or Tech Tower, was completed. Enrollment began with 84 students.

**1893** – Tech played its first football game against the University of Georgia, winning 28-6, making it the school's very first victory.

**1905** – Tech adopted *Ramblin' Wreck* as the official fight song, although it had been the unofficial fight song for several years.

**1911** – The first issue of the student newspaper, *The Technique*, was published on Nov. 17.

**1917** – Women were allowed to attend Georgia Tech — but only through its Evening School of Commerce. After the School was removed in 1931, women were unable to enroll at Tech — with the exception of the WWII years when they were permitted to attend but not earn degrees. It would be 1952 before they could do so.

**1928** – Former student Frank Gordy opened a restaurant called The Yellow Jacket near campus. The name soon changed to The Varsity.

**1934** – To boost the state's economy in the midst of the Great Depression, the Engineering Experiment Station, now known as the Georgia Tech Research Institute, was founded as the nonprofit applied research arm of Georgia Tech.

***Newsletter Committee Chair and Editor:***

***Casey Charepoo***

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# Happy Birthday, Georgia Tech

**1948** – The university’s name was changed to the Georgia Institute of Technology, reflecting an increasing focus on technological and scientific research.

**1952** – Women were permitted to enroll only in Georgia Tech degree programs not offered at other universities in Georgia.

**1961** – Tech became the first university in the Deep South to admit African-American students without a court order. Ford Greene, Ralph A. Long Jr., and Lawrence Michael Williams were Tech’s first three African-American students.

**1965** – Ronald Yancey, the first African-American student to graduate from Tech, earned a B.S. in electrical engineering.

**1968** – Helen E. Grenga, a chemical engineer, became Georgia Tech’s first full-tenured female engineering professor.

**1970** – The Board of Regents voted to allow women to enroll in all programs at Tech, superseding the 1952 policy.

**1985** – Tech President Joseph E. Pettit and J. Erskine Love Jr. spearheaded the Institute’s \$100 million Centennial Campaign, raising a total of \$202.7 million.

**1990** – Georgia Tech-Lorraine opened in Metz, France. Its primary focus is graduate education, sponsored research, and an undergraduate summer program.

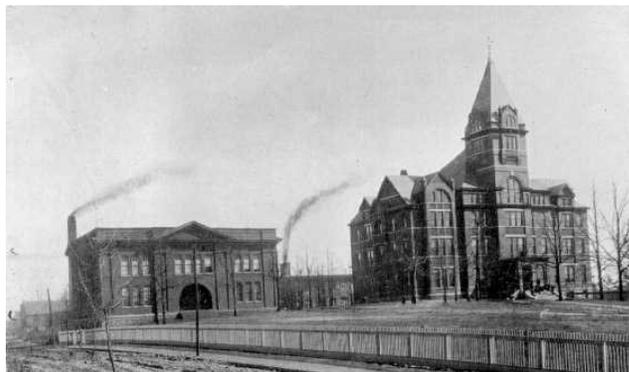
**1996** – Georgia Tech was the Home of the Olympic Village for the Summer Olympic Games. A substantial amount of construction occurred, including the erection of housing, the Georgia Tech Aquatic Center, and the renovation of the Alexander Memorial Coliseum.

**2003** – Technology Square, the heart of the Institute’s internationally recognized innovation ecosystem, opened its doors.

**2013** – Tech introduced the first accredited Master of Science in Computer Science degree that students can earn exclusively through the massive open online course (MOOC) delivery format — for a fraction of the cost of on-campus programs.

**2015** – The freshman class is record-setting in its diversity and academic prestige. It is 41 percent female and has 35 percent more African-American students than 2014. The academic profile, which includes SAT scores and number of college-level classes taken, is the best it has ever been.

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# UNG opens Blue Ridge Campus

A ribbon-cutting ceremony on Aug. 13 celebrated the opening of UNG's new Blue Ridge Campus. From left are state Sen. Steve Gooch; state Rep. David Ralston; UNG President Bonita Jacobs; USG Chancellor Hank Huckaby; Blue Ridge Mayor Donna Whitener; and Fannin County Commission Chairman William Simonds.

On Aug. 13, the University of North Georgia officially opened its new campus in Blue Ridge, Georgia, to expand higher education options in the region. Participating in the ribbon-cutting ceremony were UNG President Bonita C. Jacobs; University System of Georgia Chancellor Hank Huckaby; and Sen. Steve Gooch and Georgia Speaker of the House David Ralston, both of whom represent Blue Ridge in the state legislature and are UNG alumni.

"UNG has a strong history of academic excellence and student success, and we are very excited about the opportunities this campus presents for students in this area to complete college," Jacobs said. "While we have students from 46 states, we know that about 85 percent of our students come from a 30-county area in northeast Georgia, and this campus helps UNG fulfill its mission as a regional university to increase educational opportunity that leads to economic development."

Establishment of the Blue Ridge Campus comes in response to a need for access to higher education that was identified through UNG's Regional Education and Economic Development Task Force, a group of more than 100 business, education, government and community leaders from northeast Georgia. This spring, the state legislature and the University System of Georgia (USG) Board of Regents approved \$943,000 in the Fiscal Year 2016 operating budget to establish UNG's Blue Ridge Campus.

"Today's opening of the UNG Blue Ridge instruction site is an historic occasion in that it makes access to affordable, quality higher education in this part of Georgia permanent," said Speaker of the House David Ralston (R-Blue Ridge). "This facility will allow students to further their education at one of Georgia's best universities and prepare them to compete in the workforce with confidence."

In 2012, the state launched the Complete College Georgia initiative based upon a 2011 study by Georgetown University that indicates Georgia needs to add 250,000 postsecondary graduates to the state's workforce by 2025. Census data indicate that nearly half of the counties in the UNG's immediate service area have a college completion rate of less than 20 percent.

"On behalf of the University System of Georgia, I'm excited to be a part of this historic day for the University of North Georgia, as we mark its expanded presence in the northeastern part of our state," said USG Chancellor Hank Huckaby. "Studies show college graduates have the opportunity to earn \$1 million more over their lifetime than those with a high school diploma alone, and by opening this campus, we're bringing economic opportunity to more Georgians and supporting our mission to graduate more students to meet workforce demands."

Through the Blue Ridge Campus, which is located at 83 Dunbarton Road, UNG plans to offer a variety of educational pathways that include dual-enrollment courses, a full-time program for first-time freshmen with courses that will enable students to complete degrees in regional high-demand disciplines, courses for adult learners getting started in college or returning college to complete a degree, and continuing and professional education programs for career growth or personal enrichment.

In 2016, UNG plans to establish an innovative two-year program that is expected to become the signature element of UNG's Blue Ridge Campus. Students in the program will attend full-time and participate in an interdisciplinary curriculum that will take advantage of the

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# UNG opens Blue Ridge Campus

region's resources to promote learning in and out of the classroom and the support the timely attainment of degrees.

"This is a big day for Fannin County," Sen. Steve Gooch said. "We're literally opening the floodgates when we cut the ribbon to open this facility -- the information, the resources, the technology and the opportunities for young people to come and learn. They won't have to drive down the mountain to Dahlonega, Athens, Atlanta or wherever, they can stay home and get an education. It's going bring economic development opportunities to the area as well and I'm just proud to be a part of it and share it with the community."

Also recognized during the Aug. 13 ribbon-cutting ceremony were Chasity Green, the first student enrolled at UNG's Blue Ridge Campus, and Cassandra "Sandy" Ott, who will serve as assistant director of the campus.

With nearly 17,000 students and campuses in Cumming, Dahlonega, Gainesville, and Oconee County, UNG is one of the state's largest public universities. UNG has been recognized nationally for its academic excellence and economic value, including being named one of the top five public universities in Georgia on Money magazine's list of "Best Colleges" in 2014.

Also, as one of only six federally-designated senior military colleges in the United States, UNG is The Military College of Georgia, and its



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## Robert Tindall Receives VSU Excellence in Service Award

leadership development experiences have earned it designation as a state leadership institution by the USG Board of Regents.

VALDOSTA – Valdosta State University’s Council on Staff Affairs (COSA) presented Robert Tindall, associate director of Maintenance, with the 2015 Excellence in Service Award during the university’s fall convocation. Tindall is one of three staff members to receive the award.

“I am very excited and surprised...I think I am still in shock,” shared Tindall.

Tindall manages all maintenance shops and repairs for the VSU campus. This includes the steam, heating and air conditioning, ventilation, plumbing, electrical, fire alarm, and water and sewer systems, as well as the painting, door locks, and carpentry shops.

“Robert is a man of action,” said Raymond A. Sable, director of Physical Plant. “He loves to have tasks to complete and [crises] to solve, and no one on campus does a better job of getting things done when it comes to the big, physical changes of the university. Robert has consistently stressed that work at the university be done to high standards and completed by professionals with the appropriate credentials to guarantee the work. One could say that he has left his mark on every area of VSU, both inside and out.”

Tindall, who worked as the associate director of Facilities Planning for 29 years, has overseen the construction on many iconic structures on VSU’s campus, including the renovations of West Hall, Nevins Hall, Converse Hall, and Ashley Hall; the University Center, the Curriculum, Leadership, Technology, and Communication Arts Building, the Odum Library, the P.E. Complex, the Hugh C. Bailey Science Center, and the Health Science and Business Administration Building.

“Since Mr. Tindall has taken over maintenance, there has been significant improvement in the quality and the timeliness of the work being performed,” said Shannon McGee, director of Auxiliary Services. “Maintenance tasks are not only successfully completed under Mr. Tindall’s management, but he provides valuable communication to all the key stakeholders while the work is being accomplished.

“Mr. Tindall’s hard work, determination, and attentiveness to the minutest of detail has given me confidence in our due diligence process in managing facilities, including large public-private venture projects, and reassurance in the level of customer service that we are providing our students.”

“Robert takes safety seriously and ensures our residents always have an environment they feel comfortable in,” shared Dr. Thomas W. Hardy, director of Housing and Residence Life. “He is also the first to hold contractors accountable and explains quite clearly the expectations of them and how they must back up what they are contracted to do for VSU.

“Robert took on a difficult task when the former assistant director of Plant Operations retired. He immediately set to work demanding excellence amongst his team members and a no-excuses policy. His drive was to find a way to make it happen, no matter what.”

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## Robert Tindall Receives VSU Excellence in Service Award

Tindall believes that what sets him apart from others in his career field is his enthusiasm for the job. He looks forward to coming to work each day and tackling whatever tasks are presented to him. “Overall, I am just like everyone else and this award is really about my 45 men who work every day in their job doing repairs,” he said.

Tindall and his wife, Bonnie, chairwoman of the Department of Political Science at Georgia Military College (GMC), have been married for 46 years. Together, they have two sons, Chris, athletic director and football coach at Lowndes Middle School, and Matt, manager of the GMC Bookstore; three grandchildren, Paul, Abby, and Rylee; and a white Labrador named Brodie, who is 9 years old.

In 2011, Tindall received the University System of Georgia Distinguished Service Award. “While that award means very much to me, being selected here at VSU is [an even] greater award and makes me very proud to be a part of VSU,” he said.

In his spare time, Tindall enjoys playing golf, reading, and working in his yard. He is a member of the Georgia Association of Physical Plant Administrators, the Southeastern Association of Physical Plant Managers, and the American Association of Physical Plant Administrators.

COSA presents the Excellence in Service Award each year at the convocation held in the fall. All full-time classified staff employees, with the exception of direct reports to the president, are eligible for the award.

Whitney Yarber  
Communications Specialist  
Valdosta State University



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## Three Georgia campuses among greenest in nation: Emory, Spelman, West Georgia

Three higher ed campuses in Georgia rank among the greenest schools in the nation, according to the ninth annual rankings of colleges and universities released Tuesday by *Sierra* magazine.

A 30 percent reduction in water consumption at Candler Library helped Emory University earn a 28th ranking on a green campus program sponsored by “Sierra” magazine. Credit: musiclibraryassoc.org

The Georgia schools and their rankings, out of a pool of 153 schools, on a scale of 1 to 1,000 points, are:

- Emory University – rank, 28; score, 712.1 ;
- Spelman College – rank, 131; score, 458.95;
- University of West Georgia – rank, 141; score, 396.29.

The whole point of the rankings is to inform students about the sustainability efforts conducted on various campuses, and to promote sustainability on campus. According to a [Sierra](#) FAQ page:

- “Q: Why do you rank schools on greenness?”
- “A: We hope that our annual ranking will act as a guide for prospective students who want to compare colleges based on the schools’ commitment to environmentalism. Our ranking also serves to spur productive competition between colleges, raise eco-standards on campus, and publicly reward the institutions that work hard to protect the planet.”

Participation in the rankings program is voluntary and open to all four-year colleges and universities in the country.

Spelman College was ranked the nation’s 131st greenest campus in part because of curriculum offerings on sustainability. Credit: <http://spelmanstudentlife.orgsync.com>

Here are some highlights of the self-reported information from each of Georgia’s three ranked schools:

Emory on its green buildings:

- “A closed-loop laser system helps the Math and Science Center save 2.8 million gallons of water per year. Water use in Candler Library has been reduced by 30 percent. Low-flow fixtures in the Goizueta Business School reduced water use by 20 percent. Cisterns also capture storm water and condensate from air handling units for irrigation. Water-saving fixtures at the Winship Cancer Institute Center reduced water use by 24 percent.”



Spelman on its education offerings:

- “The goal is to incorporate sustainability in at least one and preferably two required general education courses and require students to take courses introducing sustainability concepts. Since 2009, sustainability was infused in African Diaspora and the World (ADW). Future plans include expanding the sustainability content in the ADW 111 & 112 (8 credits). We received funding from the USEPA Region 4 to assist the incorporation of sustainability into First Year Experience course.”

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## Three Georgia campuses among greenest in nation: Emory, Spelman, West Georgia

West Georgia on its education offerings:

University of West Georgia was ranked the nation's 141st greenest campus in part because of its nursing curriculum, which promotes environmentally sound practices. Credit: [gowestgeorgia.com](http://gowestgeorgia.com)

- “Lastly, the EdD (doctorate of education) in nursing education students, as future nursing educational change agents, will engage themselves within the higher education community to promote activities and systems that are economically stable, environmentally sound, and socially just. Further, the students will function as change agents not only within the higher educational community but also the global community as ethical civic leaders who can impact sustainable global communities.”



This year, 153 schools entered and all 153 were ranked.

To participate, college administrators completed a STARS questionnaire. STARS is operated by AASHE (Association for the Advancement of Sustainability in Higher Education).

STARS stands for Sustainability Tracking, Assessment & Rating System. It's a trademarked, self-reporting framework for colleges and universities to measure their sustainability performance, according to the website.

Here's how the rankings work:

A total of 1,000 points can be earned. About 70 categories are represented.

The scoring key for this year's program starts out with a series of seven-point questions. Schools can receive up to seven points for peer-to-peer sustainability program for all students. Schools can receive seven points for featuring sustainability topics during orientation.

Big points are availability for sustainable buildings and operating practices. For instance:

- 45 points – renewable energy sources;
- 40 points – energy consumption in buildings. Schools win points by calculating total building energy consumption, and by meeting or exceeding a standard reduction of 7 percent per year since their identified baseline period;
- 40 points – water consumption. Schools earn 20 points by showing any reduction in consumption since a baseline period, and more points by reducing consumption based on how close they come to reducing by 7 percent from the baseline year;
- 40 points – water consumption. Schools earn 20 points by showing any reduction in consumption since a baseline period, and more points by reducing consumption based on how close they come to reducing by 7 percent from the baseline year;
- 40 points – storm water management. Varying points award based on the extent of mitigation programs.

40 points – innovation. Varying points available based on sustainability innovations.

By David Pendered

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## Georgia Tech named a Center of Knowledge Interchange partner by Siemens

As a CKI partner, Georgia Tech joins a global group of eight elite research universities, including the University of California, Berkeley. The CKI designation expands a long-time research relationship between Georgia Tech and Siemens focused on developing the next generation of scientists and engineers, and accelerating the deployment of advanced technologies in a range of industries, including power generation, advanced manufacturing, industrial automation and health care. Initial technical focus areas for the agreement will also include programs in system design, combustion, advanced manufacturing and materials science.

“Georgia Tech is one of the leading research institutions in this country, paving the way for new ideas and technologies to help redefine the way we manufacture goods, power our homes, travel through space and more,” said Eric Spiegel, president and CEO, Siemens USA. “Building upon our strong relationship, this comprehensive partnership will continue to produce cutting-edge research and innovative industrial automation and digitalization software, while preparing highly trained students to join the global manufacturing workforce.”

The CKI agreement is the progression of a collaborative relationship between Siemens and Georgia Tech that spans nearly two decades and a wide range of domains from energy and advanced manufacturing to health care and joint government contracting. In the last three years, Georgia Tech has partnered with Siemens on more than 20 projects.

“Georgia Tech and Siemens have enjoyed a long productive relationship, working together in everything from advanced manufacturing to engineering software used in the curriculum,” said Georgia Tech President G.P. “Bud” Peterson. “As a Siemens CKI partner, we look forward to expanding our collaborative efforts to further drive advanced manufacturing research, software and innovation.”

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# Low-temperature District Heating

For this issue, I would like to return to a subject that I've mentioned several times over the past five years: low-temperature district heating. Understandably, low-temperature district heating systems are not for everyone.

Where industrial processes require high-temperatures or steam, low-temperatures don't fit the bill. On the other hand, most uses for heat in buildings don't require the 350 degree F temperatures that 150 psi steam provides. Space heating, as well as domestic hot water heating to 120 F, can be accomplished with low-temperature systems operating at 140-150 F. When we look at the three components of district heating – the central plant, the distribution system and the building interface – we recognize that major emphasis is usually placed on the two ends of the equation. Central plants are seeing

***DON'T UNDERESTIMATE THE POTENTIAL FOR LOW-TEMPERATURE DISTRIBUTION PARTNERED WITH CONDENSING BOILERS, SINCE THEY OFFER A SIGNIFICANT ADVANTAGE***

more efficient boilers, sophisticated heat pumps, heat recovery systems, thermal storage and the application of combined heat and power to increase useful energy output.

On the other end, building systems have benefited from LEED (Leadership in Energy and Environmental Design) standards, ASHRAE Standard 90 and ever more sophisticated controls to reduce energy use below what was thought possible just 30 years ago. Distribution systems seem to be the weak link.

A perfect distribution system would allow us to deliver all the energy that is put in, cost less on an energy unit basis than electrical and natural gas systems, and last indefinitely without the need of repairs. Of course, in the real-world district energy system, distribution is a major expense, can lose a significant amount of energy during operation and is extremely costly to repair or replace.

Low-temperature distribution systems can offer advantages in each of these three areas. First, the most obvious benefit is that low-temperature systems lose less heat energy during operation. Steady-state heat loss is essentially proportional to the temperature difference between the heat transfer media and the surrounding ground. For a given physical configuration, a system operating at a peak of 200 F loses around half the heat energy as a system operating at 400 F would. Over the course of a year, even the best conventional district piping systems lose 8 percent to 12 percent of the energy put into them. Older steam systems without condensate return may lose more than 40 percent. Since the heat we put into most systems is not free, distribution efficiency greatly influences the economics of every district heating system. In the area of construction costs low-temperature systems benefit from the ability to use lighter-weight construction and less expensive materials. Low-temperature systems can use materials such as plastics that are not suitable for higher temperatures and pressures.

Reduced temperatures mean lower operating pressures and less thermal expansion to accommodate. In the case of cross-linked polyethylene (PEX) systems, piping can be installed in long runs without intermittent joints and can follow a route through existing underground utilities without joints and costly piping offsets. Directional boring, which avoids open trench construction, can install pre-insulated PEX systems underground, reducing surface disturbance and reconstruc-

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# Low-temperature District Heating

tion costs. PEX piping is currently limited in size, but a thoughtful engineering layout can mitigate this shortcoming through piping nodes allowing for localized radial service areas.

In the area of maintenance, low-temperature systems again have the edge since corrosion-resistant materials such as brass and nickel-plated steel for fittings and valves and nonmetallic piping are less susceptible to the effects of rust and oxidation.

Using low-temperature distribution systems doesn't eliminate all the costs of operating a thermal loop, but low-temperature design can go a long way toward minimizing negative impacts. A low-temperature system can reduce first costs, operate more efficiently than high-temperature systems and accept low sophisticated grade heat from small CHP systems, heat pumps or even solar thermal collectors. Low-temperature systems also offer the ability to interface with waste heat and heat provided by condensing boilers fired with natural gas. Don't underestimate the potential for low-temperature distribution partnered with condensing boilers, since they offer a significant advantage over conventional boilers in the efficient combustion of natural gas. Many groups of institutional or associated buildings can benefit from a centralized multi-boiler plant using condensing technology, which can distribute heat to groups of buildings through a low-temperature localized network. My cal-

***DON'T UNDERESTIMATE THE POTENTIAL FOR LOW-TEMPERATURE DISTRIBUTION PARTNERED WITH CONDENSING BOILERS, SINCE THEY OFFER A SIGNIFICANT ADVANTAGE IN THE EFFICIENT COMBUSTION OF NATURAL GAS.***

culations show that at reasonable temperature differences, a nominal 4-inch pre-insulated PEX supply and return can deliver sufficient energy for 250,000 sq ft of building area. Radial distribution from a central boiler node could serve buildings totaling a million square feet with district heating energy.

Can low-temperature district heating be a new paradigm? I certainly hope so, but it will take the efforts of building owners, developers and engineers to change from "the way we have always done it" to a new low-temperature future.

There are some successful low-temperature systems already in operation throughout North America and Europe.

For example, a technical college in Tennessee completed a second phase of its change-out from a failing steel hot water piping system to pre-insulated PEX earlier this year, and a college in Vermont will begin construction in the spring of a new low-temperature system serving 26 buildings. Other low-temperature systems are on the drawing board or being constructed as you read this article.

I encourage members in the planning and design field to seek out information about the successes of these projects and present them to building owners for consideration in the future. We all stand to gain from making new district heating systems the most efficient available.

By: **David W. Wade, PE**, is president of RDA Engineering Inc.

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# 2016 GAPPa ANNUAL MEETING AND TRADE SHOW

## JEKYLL ISLAND CONVENTION CENTER JEKYLL ISLAND, GA

GAPPa Members:

Spring is just around the corner so it's time to register for the **33rd Annual Meeting** of the Georgia Chapter of APPA (GAPPa). This year the annual meeting and trade show will begin with an opening seminar Saturday afternoon, May 28, and will wrap up with our concluding session by noon on Wednesday, June 1, 2016.

APPA, our parent organization, has adopted the tagline "Leadership in Educational Facilities." This year the theme for the conference is "Leadership in Georgia Educational Facilities." As the theme suggests, GAPPa 2016 will be the gathering place for those of us in Georgia "engaged in the field of educational facilities management, and dedicated to the ongoing evolution of its professionals into influential leaders in education." It is an opportunity to learn and share innovative solutions and processes that will help us prepare ourselves, our staffs, our facilities and the environment for the future. Register today to attend a beneficial educational conference that will help you manage through these difficult and challenging issues.

In addition, the 2016 Trade Show will have 100 exhibitors and numerous other sponsor business partners who are bringing solutions, services and equipment that will help you get the most for your campus dollars. Our business partners are an important component in helping to find the most cost effective solutions to our institution's facility needs, and attending the Trade Show and visiting with our other sponsors are exceptional ways to explore and compare many innovations.

The GAPPa Board recognizes that institution budgets, and in particular travel funding, is extremely tight, so we have again approved and set aside funds for stipends this year to help support your travel to the **2016 GAPPa Annual Meeting and Trade Show**. The stipends will provide up to \$800 per individual, with a maximum of two stipends awarded per institution, to support travel and/or lodging for members. I encourage you to apply early for a stipend, as there are a limited number of stipends available. Complete details are listed in the pages following.

So, plan to join us and bring a co-worker to this exciting and beneficial opportunity including:

- A broad spectrum of **educational sessions**,
- **Keynote speakers** representing national APPA,
- Opportunities for **peer networking**, and
- A chance to learn **industry innovations** from business partners.

Come learn from your peers and industry leaders, and carry new ideas back to your institutions. We hope to see you all at Jekyll!

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# 2016 GAPPAN ANNUAL MEETING AND TRADE SHOW

## Proposed Educational Sessions

### Saturday, May 28, 2016

“FACILITIES Made Real. Leadership through Partnership” - Harun Biswas, Darren Thomas, Svetlana Soroka, and Priti Bhatia, Clayton State University

“Facility Transformation through Innovative Leadership” - Dwight Raby, Emory University; Brian Campa, Cooper Carry Architects, Bob Campbell, Holder Construction Company

“Consultant Interview Do’s & Don’ts” - Fred W. Ricketson and Sheree Wilder Srader, University of West Georgia

### Monday and Tuesday, May 30 and 31, 2016

“Cleaning for Health in the 21st Century: The newest cleaning technologies & systems” –

Jack Adelman, Southeast Link; Allen Wilbanks, Georgia State University

“Revitalization: Transforming Older Buildings into Recruiting and Retention Tools” -

Michael Starr, AIA and Sam Andras, AIA, 2WR + Partners; Mike Medlock, Columbus State University

“Checklist for Maintainability: An Owner’s Perspective for Design and Construction” -

Jack K. Colby, NC State University

“Energy Recovery Leads to Utilities and Maintenance Savings” -

Mark Williams, Augusta University; Craig White, Thermal Recovery Systems; Brandon Scott, BL Harbert International

“Thinking That Through” - Dr. Indigo Triplett, Careers In Transition, Inc.;

Christina Hobbs, University System of Georgia (USG)

“High Definition Laser Scanning – More with Less” -

Darrell Rochester and Lee Phillips, Rochester Associates; Rick Ruark, Georgia College & State University

“Best Practices in Roof Stewardship: A look at Middle Georgia State University's approach” - Jody Usry, Edifice Consulting, INC.; Laura Gay, Middle Georgia State University

“Integrating Two Independent Campus Facilities” - Mike Hartzel, Kennesaw State University; Ken Green, Essex Consulting Group

“Leading vs. Managing. An Integrated Approach to Success in a Facilities Environment” -

Casey Charepoo, Georgia Institute of Technology

“From Diversity to Inclusion” -

Dr. Indigo Triplett, Careers In Transition, Inc.; Christina Hobbs, University System of Georgia (USG)

“Mold..... it’s just a four letter word” - Greg Day, North Ridge Restoration;

Phillip Kimsey, Georgia Highlands University

“An Owners Perspective on the Value of Facility and Energy Management from the higher education perspective.” - Ray Sable, Valdosta State University

“Help me, help YOU! Working with your design professional to achieve optimal project success” -

David E. Smith, Technical College System of Georgia; Jay Jenkins and Rob Alden, May Architecture + Interiors

“Leading the Way to Smaller Waste and Water Footprints” - Deena Keeler and Brent Zern, Emory University”

“Leading the way in Technology Enhanced Maintenance Systems (TEMS)” -

Bill Halabi, Cheryl Kelley, and Alejandro Hunt, Georgia Institute of Technology

***Newsletter Committee Chair and Editor:***

***Casey Charepoo***

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# 2016 GAPPA ANNUAL MEETING AND TRADE SHOW

## Proposed Schedule

### Saturday, May 28, 2016

- 12:00 pm - 6:00 pm Registration
- 2:30 pm - 5:00 pm Pre-Conference Workshops

### Sunday, May 29, 2016

- 7:30 am - 2:30 pm Golf and Tennis Outing
- 12:00 pm - 6:00 pm Registration
- 12:00 pm - 7:00 pm Hospitality Suite/Cyber Café
- 4:00 pm - 7:00 pm Trade Show Open
- 7:00 pm - 8:00 pm Cocktail Reception
- 8:00 pm - 10:00 pm Exhibitor Appreciation Dinner and Casino Night

### Monday, May 30, 2016

- 8:00 am - 1:30 pm Registration
- 8:30 am - 9:30 am Opening Breakfast and Annual Business Meeting
- 9:30 am - 3:30 pm Hospitality Suite and Cyber café
- 9:30 am - 12:30 pm Trade Show
- 12:30 pm - 1:30 pm Lunch—Attendees and Exhibitors

- 1:30 pm - 2:30 pm Educational Sessions A or B

### Tuesday, May 31, 2016

- 8:00 am - 3:30 pm Registration
- 8:00 am - 4:00 pm Hospitality Suite and Cyber café
- 8:00 am - 9:00 am Educational Sessions A or B
- 9:30 am - 10:30 am Educational Sessions A or B
- 11:00 am - 12:00 pm Educational Sessions A or B
- 12:00 pm - 1:00 pm Lunch—Attendees
- 1:00 pm - 2:00 pm Educational Sessions A or B
- 2:30 pm - 3:30 pm Educational Sessions A or B
- 6:30 pm - 7:30 pm Cocktail Reception
- 7:30 pm - 10:00 pm Annual Awards Banquet and Entertainment

### Wednesday, June 1, 2016

- 8:00 am - 9:30 am Closing Breakfast
- 10:30 am - 12:30 pm Experience Exchange and Closing

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## **2016 GAPPA ANNUAL MEETING AND TRADE SHOW**

### **Proposed Schedule**

#### **Sunday, May 29, 2016**

- **7:00 pm - 8:00 pm Cocktail Reception**
- **7:00 pm - 10:00 pm Children's Program/Dinner**
- **8:00 pm - 10:00 pm Exhibitor Appreciation Dinner and Casino Night**

#### **Monday, May 30, 2016**

- **9:30 am - 11:30 pm Bingo (Guests Only)**

#### **Tuesday, May 31, 2016**

- **8:30 am - 10:00 am Guest Tour – Dolphin Tour (8:15 check-in)**
- **12:00 pm - 1:00 pm Lunch—Tour Attendees Only**
- **6:30 pm - 7:30 pm Cocktail Reception**
- **6:30 pm - 10:00 pm Children's Program/Dinner**
- **7:30 pm - 10:00 pm Annual Awards Banquet and Entertainment**

#### **Wednesday, June 1, 2016**

- **8:00 am - 9:30 am Closing Breakfast**
- **10:30 am - 12:30 pm Experience Exchange and Closing**

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# 2016 GAPPA ANNUAL MEETING AND TRADE SHOW

## Guest Tour

Jekyll Island Historic District Tours

Tuesday, May 31, 2016

Departs from History Orientation Center (Historic Stables)

located east side of the Historic District on Stable Rd.

8:30 - 10:00 a.m. (8:15 check-in)



Tour is limited to the first 52 guests to register. Those purchasing guest package have first priority. Cost

With Guest Packages \$0 (included in reg. fee)

Adult Tour Only \$25.00

Child Tour Only \$10.00

Lunch - 12 p.m. at the Convention Center, with GAPPA attendees

The Jekyll Island Museum presents fascinating tours of the Island's famed National Historic

***Newsletter Committee Chair and Editor:***

***Casey Charepoo***

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## 2016 GAPPA ANNUAL MEETING AND TRADE SHOW

# Guest Tour

Landmark district, by tram. Jekyll Island tours begin at the History Orientation Center (Historic Stables) located on the east side of the Historic District on Stable Road.

Bring Your Camera and Bottled Water

## Travel Stipend Directions

GAPPA is offering travel stipends for up to \$800 per individual and up to \$1600 per institution to support travel and/or lodging for members who attend the GAPPA Annual Meeting and Trade Show.

### Application Guidelines

- Travel Stipend application deadline is April 22, 2016
- E-mail application to [gappareg@gmail.com](mailto:gappareg@gmail.com)

Brief Description of Need (e.g. Member institution has no money budgeted for travel expenses due to current financial situation, or will enable additional attendee from institution)

### Expenses the Travel Stipend Covers

- Mileage to and from member institution to Jekyll Island at \$0.54 per mile or current GA rate
- Hotel lodging (single room rate)
- Meals not included at event

### Expenses NOT Included in the Travel Stipend

- Conference registration fees
- Membership dues

### General Eligibility (Institution must be current on dues)

- Applicant must be current employee of a member institution.
- Applicant must also complete and submit the member registration form for the 2016 GAPPA Annual Meeting & Trade Show. Stipend application does not constitute registration for conference.

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## Travel Stipend Directions continue

### Reimbursement to Member Institute

- Reimbursement will be post Annual Meeting and Trade Show
- Submit request by e-mail to [gappareg@gmail.com](mailto:gappareg@gmail.com), or fax to 706-864-1454
- Requests must be received by July 29, 2016

Note: Travel stipend applications will be taken on a first come basis and will be approved based on description of need. Total allocation is limited to 30 stipend allowances.

Travel Stipend Application	
1	Name and Title:
2	Institute:
3	Address:
4	Address:
5	City, State, Zip:
6	Email:
7	Telephone:
8	Description of need:

Other Information (not required for application)	
1	Most recent GAPPA Annual Meeting you attended (year)?
2	Number of other individuals attending the 2016 Annual Meeting from your institution?
3	Are you an APPA representative, associate member or neither?
4	Did you receive a travel stipend for the 2015 Annual Meeting?

***Newsletter Committee Chair and Editor:  
Casey Charepoo***

# Conference Accommodations

Hotel Name A1:D40	Type of Rooms	Per Night RateDates May 27- June 1	Hotel Name A1:D40	Type of Rooms	Per Night RateDates May 27- June 1
Comfort Suites, Brunswick 912-267-4440	2 Queen Beds Suite	\$109.00	Quality Inn & Suites 912-635-2202	Deluxe w/ 2 Queens	\$114.00
	1 King Bed Suite	\$99.00		Efficiency w/2 Queens	\$124.00
Days Inn & Suites 912-635-9800	Islandside Guestroom	\$119.00		One Bedroom Suite	\$134.00
	Oceanside Guestroom	\$139.00		Two Bedroom Suite	\$154.00
	Oceanside Suites	\$209.00			
Holiday Inn Resort - New 912-635-2211, 877-834-3613	Islandview Guestroom	\$155.00		Sea Palms Resort, St. Simons 800-841-6268	Deluxe Guest Room
	Oceanview Guestroom	\$175.00	Executive Studio		\$169.00
	Oversized Oceanfront Gues- troom	\$205.00	One Bedroom Suite		\$209.00
	Ocean Front Suite	\$245.00	WP 3 Bedroom Suite		\$399.00
Hampton Inn & Suites 912- 635-3733, 800-426-7866	Standard Room	\$184.00	Villas by the Sea 800-841-6262	Mini Villa/Studio Is- landside	\$149.00
	Studio Suite	\$209.00		1 Bedroom Islandside	\$164.00
				1 Bedroom Oceanside	\$184.00
		2 Bedroom Islandside		\$229.00	
				2 Bedroom Oceanside	\$249.00
				3 Bedroom Islandside	\$309.00
Jekyll Island Club Hotel 800-535-9547	Club Double	\$199.00	Westin Jekyll Island - New 912-635-4545	3 Bedroom Oceanside	\$319.00
	Club Queen	\$229.00		Island View	\$219.00
	Traditional King	\$259.00			
	Deluxe King	\$289.00			
	Suites:				
	Annex	\$319.00	Ocean View Suite w/Balcony	\$369.00	
	King Jacuzzi	\$339.00			
	Club	\$359.00			
Deluxe	\$389.00				
<a href="https://www.starwoodmeeting.com/Book/GAPPA">https://www.starwoodmeeting.com/Book/GAPPA</a>					

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# 2016 Booth Assignments (numerical)

2016 Booth #	Vendor Name	2016 Booth #	Vendor Name
1	Spencer Bristol Engineering	26	Trane
2	Club Car, LLC	27	Forbo Flooring Systems
3	Gale Associates, Inc.	28	Assa Abloy Door Security
4	Georgia Safe Sidewalks	29	Bitzer
5	Sports Turf Company, Inc.	30	Miracle Method Surface Refinishing
6	Prime Contractors Inc	31	Acuity Brands
7	Victaulic	32	W. R. Toole Engineers, Inc.
8	Whiting-Turner Contracting Company	33	Commercial Door Systems/Tiger Door
9	C I C, Inc.	34	Studio 8 Designs
10	Tandus Centiva	35	OFS Brands
11	Matheson-Ball & Associates, Inc.	36	Astra Group, Inc.
12	Wakefield Beasley & Associates	37	Blue Team Restoration - BBMK Contracting
13	Ajax Building Corporation of Georgia	38	KSi/Structural Engineers
14	Stromquist & Co	39	John Q. Bullard Assoc. Inc.
15	RepcO Sales of Georgia	40	John Q. Bullard Assoc. Inc.
16	Savannah Construction and Preservation	41	Marshall Best Security
17	Foresite Group	42	Multivista
18	Connectrac	43	BL Harbert International
19	North Ridge Restoration	44	Parrish Construction Group
20	Gainesville Mechanical	45	Gleeds
21	Blackmon Mooring	46	New Restorations
22	Aquatherm	47	Turner Construction
23	AFA Protective Systems, Inc	48	Unlimited Restorations
24	Stevens & Wilkinson	49	Juneau Construction Company
25	Johnson Spellman	50	RMF Engineering, Inc.

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# 2016 Booth Assignments (numerical)

2016 Booth #	Vendor Name	2016 Booth #	Vendor Name
51	Altman + Barrett Architects	76	BELFOR Property Restoration
52	Michael E. Clark and Associates, Inc.	77	Mingledorffs Inc.
53	Classic Ground Covers, Inc.	78	Mingledorffs Inc.
54	Griffith Engineering, Inc.	79	Pieper O'Brien Herr Architects
55	EPIC Response	80	Green Air Environmental
56	Sika Corporation	81	Travis Pruitt & Associates
57	Hussey, Gay, Bell & DeYoung	82	Stanley Security Solutions
58	Daikin Applied Georgia	83	Pond & Company
59	Daikin Applied Georgia	84	Control Concepts LLC
60	SP Design Group	85	Bradfield,Richards,Rhodes & Associates Archi- tects,Inc
61	Flynn Finderup Architects	86	Hubbell Lightingb
62	Portable Air and Power	87	Automated Logic
63	Osprey Management	88	Rochester & Associates, Inc.
64	Carroll Daniel Construction Co	89	Borie Davis, Inc.
65	Full Circle Restoration	90	2WR of Georgia, Inc
66	Clark Nexsen, PC	91	Heat Transfer Systems
67	Holden & Associates	92	Calloway Engineered Systems
68	Holden & Associates	93	NBP Engineers, Inc.
69	Winter Construction	94	Siemens Industry, Inc.
70	Kimball Office	95	Georgia Power - Energy Services
71	Centennial Contractors	96	Georgia Power Company
72	ISES Corporation	97	Georgia Power - Power Services
73	Sheridan Construction	98	Johnson Controls
74	Farnsworth Group	99	Johnson Controls
75	Geo-Hydro Engineers	100	Andrews, Hammock & Powell, Inc.

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