



ACE in Atlanta

ACE Atlanta 2009-2010 Program Newsletter # 14 - February 10, 2010

Students approved for Westin Peachtree Field Trip

The following students turned in their signed permission forms by the Feb 10 deadline:

- 1) Andrew H.
- 2) Austin L.
- 3) Branniton B.
- 4) Christopher B.
- 5) Darius T.
- 6) Eddie D.
- 7) Gabriel A.
- 8) Gerald D.
- 9) Ian B.
- 10) Malachi D.
- 11) Marcus P.
- 12) Marquevius M.
- 13) Martin J.
- 14) Melvin W.
- 15) Micah D.
- 16) Niambi T.
- 17) Olu S.
- 18) Shane M.
- 19) Sherline D.
- 20) Stephen D.
- 21) Victor P.

If your name is not on the list above, you will not be able to attend next week's ACE class on February 17th.

All approved ACE students must be at Skanska at 4:30 PM to get a hard hat, safety vest and safety glasses to wear on the jobsite tour.

If you arrive after 4:50 PM, you will not be able to pick up the safety gear and therefore miss the tour. The group can't wait.

Please note: Approved ACE students and mentors will leave Skanska to walk to the Westin at 4:50 PM sharp.



ACE meets BIM!

Thank you to our guest speakers Shanne Morrett and Blake Sketo of Holder Construction for their great presentations on BIM, the daily life of a Project Engineer on a data center project, and for leading a fun hands-on activity in SketchUp. We appreciate their taking the time to share their knowledge at the February 10th ACE Atlanta class!

Students - remember to sign in at each class! The following students signed in for the February 10th ACE class:

- Gabriel A., Lithonia High School
- Branniton B., Lithonia High School
- Ian B., Benjamin Mays High School
- Christopher B., Lithonia High School
- Sherline D., Lithonia High School
- Eddie D., Stephenson High School
- Stephen D., Lithonia High School
- Andrew H., Benjamin Mays High School
- Martin J., Stephenson High School
- Austin L., Stephenson High School
- Marquevius M., Stephenson High School
- Shane M., Benjamin Mays High School
- Briana P., Douglass High School
- Marcus P., Southwest Atlanta Christian Academy
- Victor P., Hiram High School
- Darius T., Hiram High School
- Niambi T., Benjamin Mays High School
- Melvin W., Lithonia High School

Students! Reminder - you must wear hard-soled shoes to participate in the jobsite tour. The project team will have final say whether or not you are properly dressed to go onto the project site.

DO NOT wear loose clothing as it can be a hazard by catching on to items.

Reminder: Westin Peachtree Hotel field trip information

ACE Atlanta would like to remind mentors and students that it is mandatory that everyone wear the proper PPE (Personal Protective Equipment) on the jobsite tour. Everyone will be issued a hard hat, safety vest, and safety glasses prior to

leaving Skanska at 4:50 PM to walk over to the hotel. The group cannot wait for late arrivals - please be on time.

We discussed why it was a rule to wear hard-soled shoes on a construction site (to help prevent objects from piercing through your sole) and why all guests must listen to and follow all rules and regulations from the Operations Team. Proper clothing was also discussed - no loose clothing allowed.

In addition, the group was reminded that the buck hoist would not be stopping during its trip up to the 67th floor of the hotel. Therefore, everyone is counseled to make his or her decision whether or not to go up on the buck hoist if he or she is afraid of heights.

Presentation #1: "BIM - Building Information Modeling" - Shane Morrett, Holder Construction

Thank you to Shanne Morrett of Holder Construction for her exciting presentation on BIM (Building Information Modeling). Shanne thoroughly explained how the use of BIM is an extremely useful tool at every phase of a project, from even before the project has been awarded to a construction manager, to the end.

Her examples of BIM's use were very interesting. For example, she showed two visual representations to two building facade options. These representations were presented to the project owner who was able to decide which facade to choose. Other examples were clash collision, sections, use of BIM to identify missing hardware and dimensions, etc. Shanne provided the example of the mirror dimensions and light figure placement information being missing in the original drawings. Using BIM, she was able to identify that this information was missing well in advance before the fixtures were ordered and installed.

Shanne's presentation also made ACE think twice about what BIM is - most people think of BIM being used for its 3D capabilities only - her presentation ably demonstrated that BIM is a powerful value engineering, estimating and operations tool in 2D as well.



Presentation #2: Life of Project Engineer and Use of BIM on a Project - Blake Sketo, Holder Construction

Thank you to Blake Sketo of Holder Construction for his wonderful presentation following his two roles as a Project Engineer and BIM professional on the fast-track data center project. This was indeed an accelerated project of seven months.

Blake's presentation was full of examples of how he used BIM's powerful capabilities to answer important questions, questions that could have possibly cost his project a lot of time and money to figure out. For example, he gave the scenario in which the Project Superintendent asked where the water tower would be located. On the drawings, there were neither tower dimensions nor location information provided. Blake used BIM to figure out the location and the configuration of the water tower.

Thank you again to Holder Construction for all their support of the ACE Program!

ACE Atlanta thanks
Panola for their
generous Food
Sponsorship of the
ACE Atlanta 2009-2010
Program!

Thank you to our Session Mentors!

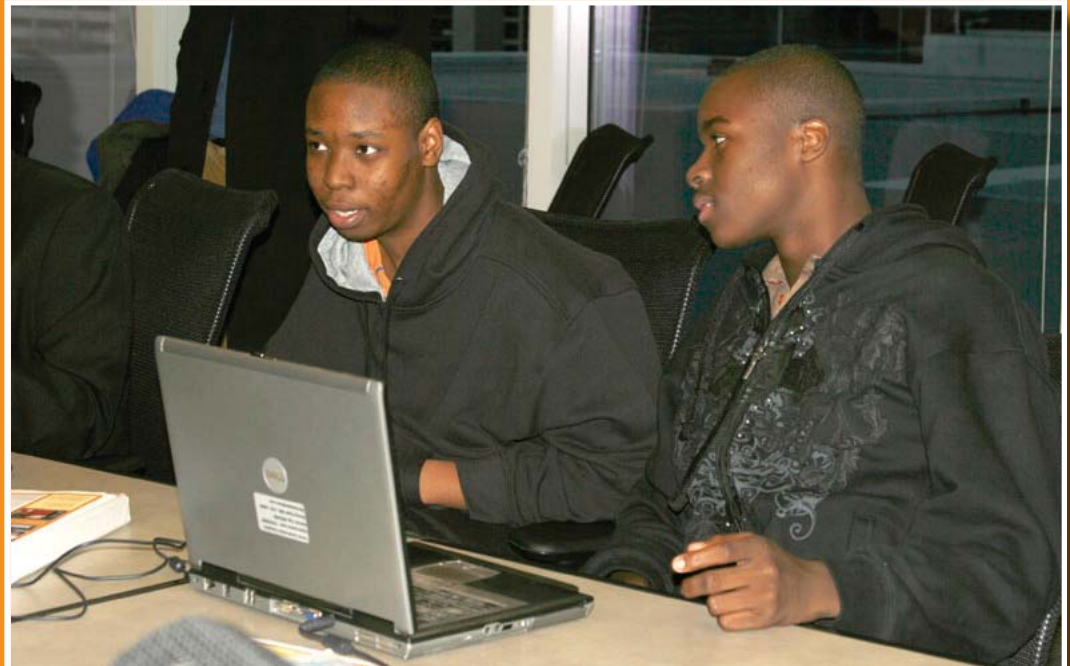
ACE Atlanta would like to thank the following mentors and guests for their enthusiastic participation!

- Shanne Morrett, Holder Construction
- Blake Sketo, Holder Construction
- Matt Ruben, Holder Construction
- Debra Collins, DBC Cleaning Contractors
- Theresa Smith, Skanska
- John Cleveland, Cleveland Electric
- Amber Scates, Gilbane
- Amy Norman, Holder Construction
- Theresa Schroeder, Turner Construction
- Elijah Cannon, Lithonia High School
- Linda McCoy, IBG Construction Services LLC
- Terrance Ward, New South Construction
- Rachel Hendrix, Skanska
- Don Casey, Skanska

Hands-On Activity: "SketchUp" - Blake Sketo

Our ACE students broke into groups of two or three students. Each group had a laptop with SketchUp installed on it. Blake Sketo led the activity in which students were to create a 3-D representation of a data center room.

SketchUp is a free Google product that can be easily downloaded off the internet. ACE hopes that this activity can help our students understand how they can use these skills learned in their final presentations!





Westin Field Trip Timeline Reminder:

Here are some reminders about the class agenda:

- **Meeting Location:**
Skanska, Training Room, 55 Ivan Allen Jr. Boulevard, Suite 600, Atlanta, GA.
- **4:30 PM:** All approved students meet in the Skanska Training Room. Please be on time.
- **4:30 - 4:50 PM:**
Students have pizza and sodas. PPE safety gear will be distributed to students - hard hat, safety vest and safety glasses. Remember your shoes and clothing will determine whether or not you go to the jobsite.
- **4:50 PM:** Group leaves Skanska to walk to the Westin Peachtree Hotel. If you are not here by this time and have your gear, the group will not be able to wait for you.
- **5:10 PM:** Group arrives at the Westin Peachtree to start the tour.
- The tour will include a trip up the buck hoist. If you are afraid of heights and are concerned about the buck hoist, please do not ride the hoist as it will not stop until we get to the designated floor.
- **6:10 PM:** Group leaves the Westin for Skanska.
- **6:25 PM:** All hard hats, vests and glasses must be returned to Skanska.
- **6:45 PM:** Class dismissed!

Mentors in Charge Contact Numbers

- **Amy Norman:** Cell # is (770) 722-8884
- **Rachel Hendrix:** Cell # is (404) 391-0911

Calendar Reminders

Our next class on Wednesday, February 17, 2010, is the last class before ACE Student Final Presentations.

Date	Class	Notes
Feb 17	"Westin Peachtree Hotel" Field Trip	Please refer to page 1 for the list of approved students. If you missed the deadline to turn in your form, please do not report for class.
Feb 24	ACE Student Final Presentations I	All student teams must be ready to present on February 24th. Team names will be drawn at random to present on February 24th.
Mar 3	ACE Student Final Presentations II	The order of presentations will be drawn at random. All teams need to have their presentation boards at class as the ACE Board and mentors will be selecting the winning presentation to ship to the ACE National Competition.
Mar 10	ACE Program Evaluation	Students - this is your chance to tell us what you liked and disliked about the program.
Mar 17	ACE Graduation Event	You will be receiving details about the ACE Graduation Event very soon!

Please refer to "ACE in Atlanta Newsletter #12, Page 3" for the list of student teams. If your team has decided not to present, you need to let mentors know as soon as possible. It is important to give all teams an equal amount of time for their presentations.

Preparation Tips for Final Presentations

Mentors have been asking students consistently if they are working on their final presentations and have been assured they are.

As they work on completing their final presentations, we recommend that students:

- Refer back to the **RFP** - this document should be your guiding light. Refer to it frequently.
- Refer back to the "**ACE in Action: CIRT-ACE Design Competition Awards Program 2010**" document you have been given. ACE National is creating a link on the Georgia Atlanta Affiliate page on their website www.acementor.org so you can see this document if you have misplaced the hardcopy.
- Ask your mentors questions - email Rachel Hendrix at Rachel.Hendrix@skanska.com and she will forward your questions to the mentors - they will be able to answer your questions.
- Remember to refer back to previous "ACE in Atlanta" newsletters. Specifically, re-read "**ACE in Atlanta Newsletter #11 - ACE Atlanta Students Present Their Designs**". The panel gave students many tips on what panel judges would like to see in any presentation.
- Remember that if your team's presentation wins the Atlanta competition, it will be shipped to off to compete in the CIRT-ACE National Presentation. Please plan accordingly with the configuration of your 24 X 36 whiteboards to ensure it can be shipped!

We are looking forward to seeing the final student presentations. ACE Atlanta sincerely wishes all teams the best of luck, and hopes, most of all, you had FUN working on your final presentations as a collaborative team.