ORANGE BLUEPHINTS

M.E. Rinker, Sr. School of Building Construction

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Table of Contents

Messages from Dean and Director	3
Executive Committee	. 4
Alumni in Higher Education	.5
Distinguished Alumnus	. 5
Alumni Working Together	10
Regional Clubs	. 6-10
Alumni in the News	. 11
Alumni Updates	12
30th Career Fair	13
Homecoming	
Spring 2013 Welcome Reception	.14
Spring 2013 Graduation Dinner	14
Field Trips	
Preston Haskell Visit	. 16
Guest Lecturers	
Recruiting Efforts	17
Fire & Emergency Services (FES)	
Solar Enabled Kiosk	19
Green Energy Challenge	19
Lessons Learned	20
Student Competition Teams	20
Sponsorships	
Major Donors	
Friends and Donors	.23
Advisory Council	.24
Faculty & Staff News	
In Memoriam	
The Charles R. Perry Construction Yard	. 27



M.E. Rinker, Sr. School of Building Construction

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Director of the Powell Center for Construction and Environment

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Director of the Center for Advanced Construction Information Modeling

Front cover photographs:

Top left:

Distinguished Alumnus - Erik Sharpe page 5

Top middle:

Preston Haskell visit page 16

Top right:

Executive Committee Member - Rob Springer page 4

Bottom middle:

White Hat Ceremony page 14

Editor: **Kim Stanley** kimms@ufl.edu

UPCOMING ALUMNI EVENTS-

September 12, 2013 Miami/Ft. Lauderdale Social
October 22, 2013 BCN Career Fair
October 25, 2013 Tampa Bay 6th Annual Fishing Tournament
October 29, 2013 Atlanta Golf Tournament
November 1, 2013 Jacksonville 1st Annual Golf Tournament (FL/GA wknd)
November 9, 2013 BCN Homecoming BBQ

A Message From ...

Dr. Christopher Silver, Dean



Greetings from Gainesville where we must obviously be getting over the drought that has affected us for the past few years. Rain seems a daily occurrence, and it always comes when I am trying to get a little time on the tennis courts. If this persists, I'll need to switch to swimming.

If you detect a somewhat lighthearted tone in this message, it is, at least in part, the result of glimmers of sunshine that portend better times for the University of Florida and, by associa-

tion, our College and the Rinker School.

For the first time in many years, the university is not cutting its budget, but figuring out how best to utilize new funds. UF is now officially a pre-eminent Florida university, and with that has come funds to ensure that the bravado is matched by results. Programs within UF will have a chance to compete for funds to support needed faculty hires to assist in our quest for "top 10" status. This goal won't be accomplished overnight, but it is a laudable long-term objective.

Also, our pre-BCN enrollments are up, signifying a rise in the number of undergraduate majors in the years ahead, something important to us here at UF (given how revenue is tied to enrollment) and important for the construction industry, which is in need of more UF-trained construction managers.

We are involved in another exciting UF initiative – the Florida Online University. With this virtual university based at UF, the growing array of online classes will help boost our student credit-hour numbers (and, in turn, the college budget). Within BCN, the revamping and reinvigoration of the Fire and Emergency Services bachelor's program and development of the Emergency and Disaster Management graduate program will position us to lead in these areas as well as through online instruction. And we are poised, at last, to reconstruct the solar house we designed and built for the European competition three years ago. The house will serve as an educational tool for our students and the larger community.

So the sun is shining here in Gainesville this summer in more ways than one. And since it is, in fact, out for at least a little while, I think I will head over to the courts. Hope your summer has been bright as well.

Dr. Robert Ries, Director



This past academic year, 67 students graduated with Bachelors, 30 with Masters, and 6 with Doctoral degrees. The 23 students who were admitted to the undergraduate program for the Fall 2013 semester have an average Pre-BCN GPA of 2.99 and average SAT score of 1186. We are still seeing the effects of the slow economy in upper division student numbers, but the number of pre-BCN students has significantly increased. The job placement rate was 73% which is an increase from

the previous years. The average starting salary has remained steady at approximately \$54,400. We had 59 companies with 121 recruiters at the Spring 2013 BCN Career Fair in the O'Connell Center.

The BCN faculty has had a consistent year in teaching, research, and publishing. Faculty wrote about 40 research proposals and received close to \$2.5 million in research funding, published more than 70 articles, of which 39 were in refereed journals, and made several presentations at national and international conferences. BCN's external funding continues to be strong, as does our publications and dissemination of research.

We have had four important milestones in the past year that I would like to highlight. First, BCN hosted its 30th Career Fair February 28, 2013. The Career Fair has been running continuously for 15 years and over that time has brought countless students and companies together for their mutual benefit. Please see the story on the Career Fair on page 13.

Second, the School hosted a week long camp for the national Architecture, Construction, Engineering Mentoring Program (ACE). ACE program students spent a week at the college, on campus, and at Santa Fe College learning about our programs. The camp was one of the first of its kind and the students were extremely busy learning about the profession, as can be seen on page 17.

Third, I would like to draw your attention to the First Annual Northeast Florida BCN Alumni Club Golf Tournament, which is being held Friday, November 1, 2013. This is a new event for the Jacksonville area club, and is being held one day before the Florida Georgia game. Please see page 7 for more information on this inaugural event.

Last but not least, I would like to recognize Dr. Jimmie Hinze. Dr. Hinze has retired from the faculty after the spring semester and became an Emeritus faculty. Dr. Hinze joined the Rinker School in 1996 and was the School Director from 1996-1999. He has made significant contributions to construction safety and I am sure that many of you reading this earned a 30 hour OSHA card in his class. He was recently recognized by the CII (see page 25) and the CIB for his contributions to construction worker safety. Please join me in congratulating Dr. Hinze on his retirement and on a wonderful academic career.

BCN Advisory Council Executive Committee -

The BCN Advisory Council Executive Committee (EXCOM) held its meeting on April 26, 2013 at the Hyatt Regency in the Orlando International Airport. The committee meets two times a year to discuss important issues that the school needs industry input or support of.

Some topics that the committee discussed are initiatives to increase enrollment for the School, representation of industry members for the Rinker School at the American Council for Construction Education (ACCE) (accrediting body), fundraising and networking opportunities provided by the regional BCN alumni clubs, an upcoming summer camp at Rinker Hall for ACE (architecture, construction & engineering), ways to promote the Rinker School to University leadership and Florida legislature and reviewing the undergraduate and graduate programs.



Pictured from left to right are Paul Hardaker, Chip Reid, Ann Baker, Sean DeMartino, Thomas Sheffield, Rick Derrer, Pete Pace, Chris Silver, Wayne Wadsworth, John Sofarelli, Robert Ries, Tim Good, Rick Smailes, Sid Jordan, Earle Cooper, Doug Wilcox, Edward Minchin, Christine Beaudoin, and Bob Angle

Meet Rob Springer, BCN Advisory Council EXCOM Member -



Rob Springer, BCN 1984

Rob graduated from the Rinker School of Building Construction in the fall of 1984. While at Rinker, Rob served as the "first" President of the student chapter of ABC. After graduation, Rob joined Hubbard Construction of Orlando, and served as a project manager on several projects including Lake Nona Golf and Country Club Community, and the Melbourne Airport expansion. In 1985, he joined Springer - Peterson Roofing, replacing one of the original partners, Brooke Peterson, and served as Vice President of Operations until 2006, when he became President, and continues to serve in that role.

Springer-Peterson Roofing specializes in Industrial and Commercial reroofing, and when a challenging new Construction project warrants their expertise, they also participate in that market. Recent new construction projects include: Legoland Theme Park in Winter Haven, the new Antarctica Penguin exhibit at Seaworld in Orlando, and 2 recent expansions by Coca Cola at their Tampa and Auburndale locations. Re-roofing however has always been, and continues to be their specialty. Client relationships are always the nucleus of

most projects, which include Publix Supermarkets, CVS, numerous Central Florida School Districts, and Hospital / Medical Facilities throughout Florida. Rob's role at Springer-Petersen includes business development, current and new client support and providing support to the operations side of the company.

Rob is involved in the community and has served on the local boards of the YMCA, several local banks, as well as numerous non-profit organizations. His industry involvement includes serving on the board of National Roofing Partners (NRP) and will be installed as President of the Florida Roofing and Sheet Metal (FRSA) Contractors Association in July of 2013.

Like most UF Graduates, Rob is an avid Gator fan, and has attended every National Championship football game, along with all of the Final Four Appearances, and four College World Series in which the Gator Baseball team participated in Omaha. Rob and his wife Tammy, live in Mulberry, and have 2 children. Their daughter is a teacher in Lakeland, and their son is currently a Senior 1 at Rinker. Rob loves to spend time in the outdoors, including hunting big game across North America, and fly fishing the rivers of the Western U.S.

Industry Focus Group

Each year, a group of industry leaders are asked to visit Rinker Hall to review courses in different areas. This past year Estimating 1 and Estimating II was evaluated. These leaders provide insight as to what the industry needs and ways for BCN to improve the course.

Representatives from Charles Perry Partners, Clark Construction, J. Raymond Construction, Stellar, Current Builders, Calusa, Holder Construction participated in this group.



2013 Distinguished Alumnus



Erik Sharpe, BCN 1995

The distinguished alumnus award is given annually to a graduate of the Rinker School who has graduated a minimum of ten years prior to the award, has distinguished himself/herself in a construction field, and has demonstrated consistent support of the Rinker School. The 2013 Distinguished Alumnus is Erik Sharpe.

Erik Sharpe is Vice President and the Jacksonville Division Manager for Brasfield & Gorrie, LLC. He graduated with honors from the UF School of Building Construction in 1995 and

was an active member of the School's honor society, SLX and student chapter of the Associated Builders and Contractors.

While attending college, Erik interned with Fluor in Greenville, SC and Centex Rooney's Jacksonville, FL office and gained invaluable experience in estimating and construction to supplement his college education. After graduating in May 1995, Erik joined Brasfield & Gorrie's Orlando office as Project Engineer. Over the next five years, Erik worked his way to Senior Project Manager before being given the opportunity to manage a 1,200,000 SE industrial complex for Winn-Dixie in Jacksonville. This gave Erik the opportunity to move his family back to their hometown. In 1999, Brasfield & Gorrie formalized their presence in Jacksonville with a satellite presence. In 2006, Jacksonville became the 6th permanent office

location of Brasfield & Gorrie and the first office expansion for the company since 1998. Erik is responsible for the overall operations of the Jacksonville Division of Brasfield & Gorrie.

In 2010, Erik was nominated as President of the Northeast Florida Chapter of NAIOP, the Commercial Real Estate Association. He is an active member on the Board of Advisors to the Jacksonville Chamber of Commerce. Additionally, Erik serves on the Executive Committee to the Rinker School of Building Construction and as Director of the Northeast Florida Gator BCN Alumni Club since its inception in 2005 raising \$100,000 for an endowed professorship for the School.

Erik is married to his wife Corrine and has two children: Hayden Eli (10 years) and Loren Emory (6 years). Erik is active in the community by supporting his son's school, the Riverside Presbyterian Day School, though volunteer activities and by serving on the Board of Advisors to his families' church, Celebration Church of Jacksonville. Additionally, Erik has assisted in coaching his son's soccer, baseball, and football teams. In his spare time he enjoys spending time with his family, which includes hunting, fishing and playing golf.



Dr. Robert Ries (I-r) recognized Erik Sharpe as the 2013 Distinguished Alumnus at the Spring Graduation Dinner.

Alumni in Higher Education

Tom Gormley is a 1979 graduate of the Rinker School of Construction. He completed his Masters in Civil Engineering at Vanderbilt in 2009 and is working on his dissertation there for his Ph.D. in Environmental Engineering Management. While continuing his education, he is teaching and the Director of the Commercial Construction Program at Middle Tennessee State University. Prior to Vanderbilt, Tom worked nearly 40 years in the construction industry for owners, contractors and a design firm.

Tom was recently on the UF campus for the first annual UF-ACE Summer camp. He led the first MTSU-ACE Summer camp this year and is a Founding Board member for ACE in Nashville. He con-

tinues to work part time with URS on PM services, provides expert witness testimony and is active as a committee member for the National Guidelines for the Design and Construction of Healthcare Facilities

He and his wife, Bess, are long time residents of Nashville, TN.



Tom Gormley, BCN 1979

Previously featured alumni in higher education include:

John Dryden, BCN 2006
Jim Sullivan, BCN 2001 & 2007
Caesar Abi Shdid, BCN 2006
Bilge Gokhan Celik, BCN 2006
Zeljko "Z" Torbica, BCN 1997
James F. Goddard, BCN 1972
Huanqing (Happy) Lu, BCN 2002

Spring 2013
Fall 2012
Spring 2012
Fall 2011
Spring 2011
Fall 2010
Spring 2010

Theo Haupt, BCN 2001 Steven Van Dessel, BCN 2000 Yimin Zhu, BCN 1999 Richard Smailes, BCN 1976, 1977 & 2000 John C. Mouton, BCN 1978 Harold (Hal) Johnston, BCN 1983 Bradford L. Sims, BCN 1996

Fall 2009 Spring 2009 Fall 2008 Spring 2008 Fall 2007 Spring 2007 Fall 2006

BCN Alumni Regional Club Updates -

Tampa Bay Gator BCN Alumni Club

For the 8th consecutive year, the Tampa Bay BCN Gators hosted their golf fundraiser on Thursday, April 16th, 2013. This year's event was held at the River Hills Country Club in Valrico, FL.

The Tampa Bay BCN Gators are proud and grateful for the solid support from all the local businesses that have backed this effort by sponsoring teams, auction gifts and raffle prizes. A large number have been involved continuously since the inception of this event. This year, \$26,000 was raised to support the on-going programs at the Rinker School. It is a tribute to these local businesses, Rinker alumni, and friends of the University of Florida that this fundraising effort has been sustained.

Several guests from the Rinker School made the trip to join us this year including BCN Director Dr. Robert Ries, DCP Director of Developer Ann Baker, Kim Stanley, Sara Ann Green, and BCN students Marlin Clark and Dustin Hinson.

As always, this fundraiser is not possible without the long hours and planning by the Directors of the Tampa Bay BCN Gators with



Home Pride Cabinets placed first in the golf tournament. (l-r) Bob Angle, Matt Gaydos, Bernie Gaydos Sr., Bernie Gaydos Jr., Evan Miller

the help of the volunteers. They contribute an incredible amount of work in the weeks leading up to as well as on the day of the event. The School would like to recognize Bob Angle who has been a driving force of this club and tournaments since its inception. THANK YOU BOB!

The winners were recognized at the Awards Reception sponsored by Clark Construction. Home Pride Cabinets, KHS&S Contractors and Arco/Murray Construction took the 1st, 2nd and 3rd place trophies respectively. John Gabler and Ann Baker were the Long Drive champions, Hunter Rhodes won the Closest to the Pin contest, and Aaron Fisher was the Putting contest winner. Sara Ann Green, won

the 39" Flat screen TV raffle. Congratulations to them all!

In addition to Clark Construction, this year's list of loyal sponsors that impact the funds that we are able to raise include:

Putting Contest Sponsor – Personnel Response Team
Beverage Cart Sponsors – Zurich Surety and CGM Services
Hole-In-One Sponsor – United Rentals
Long Drive Sponsor – Springer-Peterson Roofing & Sheet Metal
Closest To Pin Sponsor – Angle & Schmid, Inc.
Golf Tee Sponsor – Hanlon Acoustical

Bull Gator Sponsors – Ajax Paving, PRT Staffing, Angle & Schmid, Inc., ARCO/Murray Construction Company, Brandon Construction Company, CEMEX, Crossroads Construction Co., Diaz Fritz Isabel, Gerdau Ameristeel, U.S., Inc., Home Pride Cabinets, KHS&S, Linder Industrial Machinery, Mill-Rite Woodworking Co., Inc., Nelson Construction, ONICX, Power Design, RoyalAire Mechanical Services, Inc., Sharp Properties, Springer-Peterson Roofing & Sheet Metal, Tappouni Mechanical, The Beck Group, Truant Construction Co., Universal Fire Systems and Wal-Mark.

Hole Sponsors – ARCO / Murray Construction Company, CEMEX, CLP Resources, Gabler Brothers, Inc., Gerdau Ameristeel, U.S., Inc., Henkelman Construction, Inc., Nielson, Wojtowicz, Neu & Assoc., NuJak Development, Inc. Peninsular Mechanical, Register Construction, Sofarelli & Associates Architecture, Spectra Contract Flooring, Stan Weaver & Company, Suncoast AutoBuilders, Tampa Bay Trane, Tappouni Mechanical, Thurn Construction, United Rentals, Vulcan Materials, and Wagner Bonding and Insurance.

Auction, Raffle and Gift Sponsors – Green Links Golf Resort, Innisbrook Resort & Golf Club, Lake Jovita Golf & Country Club, Cypress Run Golf Club, St. Petersburg Country Club, Isla Del Sol Yacht & Country Club, River Hills Country Club, and the Mark Bostick Golf Course, Jim & Slims Tool Supply, Home Depot, Lowe's, White Cap Supply, Gator Boosters, Heads and Tails, Mugs'N Jugs, Gator Haven, Courtside Grille, Mister Hot Shine, Ker's Winghouse, Massage Studio, Dimmit Automotive Group, Jeff Nelson and Chris Bailey



Photo on left (l-r):

Buddy Register (BCN 1970) with Register Construction & Engineering, BCN Student Dustin Hinson, Mike Tappouni with Tappouni Mechanical Services and Ray Chandler with Tampa Bay Times Forum

Photo on right:

The Beck Group team pictured are (l-r) David DeVaney (BCN 1995), Marcus Motes (BCN 2012), Evan DuPont (BCN 2005), and Bill Long



UPCOMING TAMPA BAY FISHING TOURNAMENT

This fall, the Tampa Bay BCN Gators will host the 6th Annual Inshore Fishing Tournament at Hula Bay Grille in Tampa. This event grew to over 30 boats and well over 100 people last year, raising over \$13k for the School. The tournament will take place on Friday, October 25th and will again feature a stable of the areas best professional fishing guides provided by Tampa Bay's Captain Mike Anderson of the Reel Animals Fishing Show.

Save the Dates will be sent out soon. For more information or early reservations, please email Chris Lucas (clucas@jesuittampa.org), Andrew Wilbert (awilbert25@yahoo.com), or Kim Stanley (kimms@dcp.ufl.edu).

BCN Alumni Regional Club Updates ———

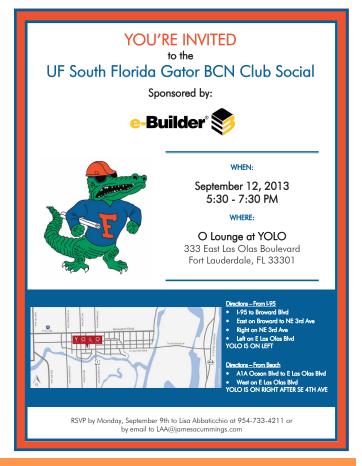
North Florida Gator BCN Alumni Club (Jacksonville)

On April 18, 2013, Dr. Robert Ries hosted a lunch in Jacksonville at the Haskell Building. He invited all BCN alumni from the area to encourage networking and club interaction. A group of 40+ alumni showed up and listened to Dr. Ries and Erik Sharpe (Brasfield & Gorrie) provide an update on the Rinker School activities. Erik encouraged them to participate in the Jacksonville Club activities. Anyone interested in getting involved in this club please contact Kim Stanley at kimms@ufl.edu and she will connect you with the club.



This luncheon excited the group who have decided to organize the first golf tournament the day before the Florida-Georgia game. There is a post-tournament tailgate pool side to include non-golfers. All BCN alumni are invited to both events.









2013 ANNUAL GOLF BENEFIT

THE UNIVERSITY OF FLORIDA
SCHOOL OF BUILDING CONSTRUCTION





SAVE THE DATE

Tuesday, October 29, 2013

The Atlanta Alumni Club thanks you for your past support of our annual golf benefit for The University of Florida Rinker School of Building Construction. The Rinker School is the oldest and one of the finest construction education programs in the country. By playing in the Annual Golf Benefit, you are helping to ensure the continued success and tradition of excellence set at the University of Florida. The Annual Golf Benefit, organized by volunteer alumni, is the Rinker School's only fund raiser in the State of Georgia.

We invite you to participate and support our 4th Annual Golf Benefit. We will be in touch soon to discuss sponsorship opportunities for 2013.

Your support of this benefit is greatly appreciated. Thank you for your investment in the future of our construction industry.

Wayne Wadsworth, Golf Benefit Chair Richard Fielding, Event Chair

hank you to the 2012 sponsors who helped us raise \$50,000

BCN Alumni Regional Club Updates -

SW Florida Gator BCN Alumni Club

The SW Florida Gator BCN Alumni Club held the 4th Annual Fishing Tournament on Saturday, July 20th out of Hamilton Harbor Yacht Club in Naples. The event was a great success that included 18 boats and 56 anglers. The proceeds projected from this event is \$14,500 and will go directly benefit the Rinker School.

The club would like to say Thank You to all of the event sponsors who make the tournament a success. The sponsor list is as follows:

Tournament Sponsor

Florida Wood Windows Anderson Windows

Gator Sponsors

Preferred Builders Naples Lighting & Fan Depot GN Plumbing Acousti Engineering

Shirt Sponsor

Trapper Custom Marina TR Rushing Construction

Ruler Sponsor

GATES Construction

Food & Beverage Sponsors

Calusa Construction Alpha Omega Construction Ferguson Waterworks

Team/Other Sponsors

NEB Concrete
TR Rushing Construction
Jackmack, Gallops and Pruitt
Bustin' Loose Charters
Stahlman England
Reel Gator
Calusa Construction
Floors N More
Yellow Submarine
Three Little Bears
Bay Pines Marina
Texas Roadhouse

BCN ALUM MAKING A DIFFERENCE.....

BCN 2012 alum, John Carlson, is contributing to the future of construction industry by getting involved with the Future Builders of America as a Trustee on their Board of Trustees. The priorities of the FBA are to develop chapters in high schools around the state, make available scholarships for students bound for higher education, and host a summer camp to enable students to learn more about the construction industry. This past spring, John invited Professor Michael Cook to promote the school during a visit.

John gives the students a brief outline of the rest of the days activities before heading to the plan reading class.



First place winners were (l-r) Mike Wagner (BCN 2004), Quin Kurth, and Rob Carroll (not pictured)



Second place winners were (l-r) Mark Hughes, Todd Geroy and Tim Rushing (BCN 1992)



BCN Students Burk Hedrick, Jacob Weiss, Caleb Eiler and Dustin Hinson participated in the fishing tournament





BCN Alumni Regional Club Updates –

Central Florida Gator BCN Alumni Club

The Central Florida Gator BCN Alumni Club held its 5th Annual Golf tournament on April 25, 2013 at the Orange County National Golf Club. The event was a very successful tournament raising \$53,000 for the Rinker School. The proceeds from the tournament were made possible by the hard work of board members, volunteers, and many sponsors that support the tournament and the Rinker School. Additional thank you's go to Palm Beach Autographs for providing the Silent Auction Items for the tournament.

Grand Gator Sponsor

Maxim Crane Works Moye, O'Brien, O'Rourke, Pickert & Dillon

Hole Sponsors

Balfour Beatty Construction
Bright Future Electric LLC
CLP
Cottage Care
Craft Work Inc.
Dew Glass
Divten Company
EXP
J. Raymond Construction
Mader Southeast
Multivista Construction Documentation
NCM Demolition & Remediation
Palm Beach Autographs
PCL Construction Services

Palm Beach Autographs
PCL Construction Service
Petersen Metals
Prestige-Concrete
Riot Signs
Royal Oak Homes LLC
Tilted Kilt
Unlimited Welding

UCC Group Inc. Wal-Mark Contracting

Event Photography Sponsor

Multivista Construction Documentation

Beverage Cart Sponsor Stowell Inc.

Participating Teams

Advanced Millwork Baker Concrete **Balfour Beatty Construction** C&S Roofing Co. Calic Group **CEC General Contractors CEMEX** Charles Perry Partners Inc. Clancy & Theys Construction Co. Construction Cost Services Cottage Care of Orlando Cox Fire Protection Craft Work Inc. Carr, Riggs & Ingram, CPA Eden Site Development Electric Services Hardin Construction HD Supply

J. Raymond Construction James A. Cummings, Inc. Johnson Laux Construction Mader Southeast Modern Plumbing Industries Nassal Company NCM Demolition & Remediation P&A Roofing and Sheet Metal PCL Construction Services Petersen Metals Power Design Inc. Prestige-Concrete Quality Fab **OLM** Stowell Inc. ThyssenKrupp Tri City Electrical Turner Construction United Wall Systems Wal Mark Williams Company Management WSI



Club Officers show appreciation to Grand Gator Sponsors Maxim Crane Works and Moye, O'Brien, O'Rourke, Pickert & Dillon. (l-r) Jeremy Voss (BCN 2003), Jason Boffey (BCN 1997), Sean Dillon (BCN 1992), Bob McCormick, Travis Kolbjornsen (BCN 2007), John Sofarelli (BCN 1981) and Tom Maurer (BCN 1982)



Lauren Permuy (BCN 2007) won the Women's Longest Drive trophy. (l-r) Jeremy Voss (BCN 2003) (l-r),Travis Kolbjornsen (BCN 2007), John Sofarelli (BCN 1981), and Tom Maurer (BCN 1982)



Kyle Burton (BCN 2005) Jeremy Voss (BCN 2003) (I-r), Travis Kolbjornsen (BCN 2007), John Sofarelli (BCN 1981) and Tom Maurer (BCN 1982)



1st place winners were Prestige Concrete Dennis Wood, Norm Wolff, Kelly Stanton (Mark Arbuckle not pictured), Jeremy Voss (BCN 2003) (l-r), Travis Kolbjornsen (BCN 2007)



After a long day on the golf course, the golfers gather together for a bite to eat and the awards

BCN Alumni Regional Club Updates

Palm Beach Gator BCN Alumni Club

The Palm Beach County Gator BCN Alumni Club held its 3rd Annual Sporting Clay Fun Shoot on January 26, 2013 at the CEMEX Hunting Camp in Hobe Sound, FL. A total of 10 teams participated in the event, raising \$15,300 and bringing the grand total to \$37,601 for the School of Building Construction over the past three years! The top three teams were:

First Place: Baker Concrete Construction
Second Place: Balfour Beatty Construction

Third Place: CEMEX/University of Florida BCN Students

And the award for Highest Score went to Chris Long of Kaufman Lynn Construction.

The event was a huge success thanks to the combined efforts of all of our volunteers, sponsors and teams. The Palm Beach County Gator BCN Alumni Club would like to recognize and give special thanks to the following for their contributions:

Host - CEMEX

Lunch Sponsor - Burkhardt Construction, prepared by Dan Turk Breakfast Sponsor - Balfour Beatty Construction

Clay Sponsor – C&F Electric

Award Sponsor – Centerline Utilities

Photo Sponsor – Hedrick Brothers Construction Co., Inc.

Beverage Sponsor – Heitman Law Firm

Station Sponsor – The Weitz Company, Kaufman Lynn Construction, EDS Air Conditioning, Lotspeich Co. of FL, Murray Logan Construction, Sands Construction, Malone Electrical Solutions, Grace Construction, and Glidden-Spina & Partners



Teams - CEMEX, Hedrick Brothers Construction, Centerline Utilities, ECS Florida, Balfour Beatty Construction, Baker Concrete Construction, The Weitz Company, EDS Air Conditioning, Kaufman Lynn Construction, Burkhardt Construction

Thank you all for your support! We look forward to seeing everyone again next year!

> SAVE THE DATE 2014 Palm Beach County Clay Shoot January 25, 2014

Alumni working together

Miller Construction Company teamed with Moss & Associates to find fresh solutions and deliver Nova Southeastern University's \$32.5 million Center for Excellence for Coral Reef Ecosystems Research Facility in Hollywood in less than 13 months. The project won honors as Florida Region's Best Overall Project of the Year from the Design-Build Institute of American. The five-story, 87,000 square foot structure includes a reverse osmosis system, lab compressed air, 1,458 ton-hours of thermal energy storage ice tanks and two seawater filtration rooms with over 15,000 gallons of capacity. A column free "Universal Grid" spine of flexible labs accommodates conditions ranging from seawater-based environments to dry spaces for image analysis.

BCN alumni on this project were: Todd Nienaber (BCN 2011) (Miller), Scott Moss (BCN 1996) (Moss), Andrew Vigus (BCN 2000) (Miller), Brett Atkinson (BCN 1993) (Moss), and Dave Ciampini (BCN 1993) (Moss)

Front: Picton Warlow (Moss & Associates), Lazaro Alfonso (Bliss & Nyitray, Inc.), Jessica Brumley (NSU), Travis Serpas (Moss & Associates), Jesse Miller (Miller Construction Company), Brett Atkinson (BCN 1993) (Moss & Associates), Russell Anderson (Moss & Associates), Dave Campini (BCN 1993) (Moss & Associates) Back: Justin Sligh (Moss & Associates), Sohail Rana (Moss & Associates), and Roland Lemke (Cannon Design)





SHOW YOUR RINKER SCHOOL PRIDE

To purchase items, contact Sara Green by phone at (352) 273-1150 or by e-mail at saraann@ufl.edu



BCN Coffee Mug \$5



BCN Alumni T-shirt (back of shirt shows "BCN Alumni" \$15



BCN Portfolio Non-leather (pictured on left) - \$20 Leather (pictured on right) - \$25



BCN Hard Hat \$40





BCN Polo Shirts (S, M, L, XL, XXL) (mens and ladies) \$35



Alumni in the news

BCN Alum, **Dan Casale, BCN 2008** was featured in the April 22, 2013 edition of Engineering News Record. Dan is part of a DPR Construction Team working on Project Lion. Project Lion is a laybot system using robotic-total station technology to speed up drywall layouts before installation and increase accuracy with the help of virtual design and construction technology. The project team has set a goal for the robot to draw 1,000 linear ft per hour.

Dan, a DPR project engineer and one of the project's creators stated that "we think this is a new, exciting technology that could change how we do things on job sites."

Engineering News Record

Jobsite Robot Shows Promise in Speed and Accuracy



layous with the raisp or virtual design and constructs technology.

Called Project Lion, the technology is the brainchild Raidwood Chy, Calf-Based DRP Construction and Wastiminister, Colid-Based Trimble. The firms are partitioning on an autonomous Byour tobol. or Tayob fast applies robotio-statisation (RTS) sechnology to halp in mark firms on slates before interior constructor (You can see a YouTube video of the robot <u>Texts</u>.)

asys Dan Casalin. 8 DPR project engineer and one the project's creator. The sanight-first spead of the layfort is between 1.8 and 2.2 linear ft per second. Turns take about 30 seconds each, Casalis asys. coal for the long, is guided by building information modeling file (uping standard SUF or DIVIS file formatish that see

inkjet carridges. The stem fifted the laybot with of omit inheats, allowing it to more forward, bas and diagonally as it receives instructions from it TSI. It is powered by no batheries that can be rechanged every three to four hours.

"We think this is a new, anothing sochoolings that change how we do things on jobation," says Class

who also demonstrated the hyghet at EMR's Flumm.

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MCCuttery, a segment manage at Trimble. By
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used in his to minimal cotasticis, such as column. That may be stroly on busy jobilists, "McCarmey, says: is layor that a bulbs," asked safety feature that detects unexpected obstacles and, if the layor busy making, abuta down the machine, and allowed the machine of the mach Jon and his brother, Ron, were featured in the June 2013 edition of the Miami Today publication.

Jon Antevy, BCN 1994 used his master's thesis for his construction degree to develop web-based capital program management and construction project management software. E-builder helps manage massive construction jobs with over 300 clients worldwide. To accommodate growth they have just moved their headquarters into a new 25,000 square foot space in Plantation.



Alumni Updates -

James Patterson, BCN 1955 – After serving as a Coast Guard officer, he founded real estate, development and construction corporations for projects throughout the Pacific and in Florida. He is interested in connecting with some of his classmates. If you are a classmate of Jim's, please email jp3hi@yahoo.com

David Gerhart, BCN 1975 - David retired in 2012 from TIC after working with them for 34 years. He and his wife, Lura, moved to North Carolina and bought a house "Down East" on the Core Sound within sight of the Cape Lookout National Seashore. They are working through an extensive project list of modernizing the home while preserving the history.

Michael S. (Max) Klimas, BCN 1981 and Gary L. Keen, BCN 1973 - Max and Gary have a construction consulting firm Keene Klimas Consultant Group with offices in Lake Mary and Tampa. They specialize in construction litigation support, expert testimony, claims analysis, defect claims, delay claims and cost analysis. They also offer construction management services.

Jose J. Castillo, BCN 1983 – Jose is working in Kabul, Afghanistan as the Chief Facilities Officer of the America University of Afghanistan and in 2011 started the planning, design, and construction of the new International campus. On May 25, 2013 they celebrated the grand opening of the first building at the new campus, a two-story, 5,700 square meter facility. This summer they will complete the first four-story, 24 unit apartment building to house some of the international staff and faculty. This will be the first of three residence buildings for a total of 72 units. They also broke ground on the Bayat ICT Building (ICT= informational communication technology), a two-story 3,000 square meter academic facility. He has been working at the university since September 2010 and just renewed his contract for three more years to be able to complete the first phase of the campus. To learn more about this project visit www.auaf.edu.af.

Michael Moran, BCN 1984 – Mike is co-owner of Moran Construction whose focus is on government contracting. They are proud to have completed projects for NASA, U.S. Air Force, Department of Veteran Affairs, Navy, Corps of Engineers, as well as many more private companies. Their attention to detail has lead them to complete the projects on time, within budget and as proven by this award, safely. Moran Construction received a Safety Award recognizing no Workers' Compensation losses from June 2005 to April 2013. Construction Underwriters, Inc. and Amerisure Insurance recognized that Moran Construction continues to be a leader in construction safety and considers safety its number one priority.

Chris Carlson, BCN 1985 – Chris has been working with Whiting-Turner Contracting Company for the past 15 years. He currently holds the position of Division Vice President and is responsible for all associated operations within the Raleigh and Charlotte, NC offices.

George Biggs, BCN 1985 – George is now President of Biggs Construction Company located in Pensacola FL.

David Wagie, BCN 1985 - David is a candidate for the United States House of Representatives for Florida Congressional District 22 for the 2014 election. He is running as a Certified General Contractor small business owner (Faith Builders LLC) private citizen that has lived in South Florida for 40 years.

Ty Thompson, BCN 1996 – Ty Thompson is Board Certified Construction Attorney specializing in commercial construction matters with Mills Paskert Divers in its Tampa office. Martindale-Hubbell rates Ty as an "AV" Preeminent attorney, which is the highest designation by the leading lawyer rating service. In 2013, he was named as a SuperLawyer in Law & Politics' publication of Florida's SuperLawyers and an Up and Comer by Florida Trend Magazine. He enjoys spending time with his wife Tara (M.Ed. '99) and their two boys, Gray (5) and Camp (3).

Eric Prendergast, BCN 1996 – Eric is President of Ed Waters and Sons Contracting Co., in St. Augustine, FL. EW&S is a full service general contracting company specializing in pile driving, sheet pile structures, and marine construction. EW&S recently completed work on the Navarre Beach Pier in Santa Rosa County. At 1,545 LF, the Navarre Beach Pier is the longest ocean pier in the State of Florida and on the Gulf of Mexico. Eric currently resides in Jacksonville, FL with his wife and two children

Michelle Forte Young, BCN 1997 - FORTE YOUNG INC. was recently awarded its first design-build project. It is a commercial, private-sector project located in Orlando, FL. FORTE YOUNG INC. is responsible for architecture, engineering, permitting, procurement and construction. FORTE YOUNG INC. is owned and operated by Michelle Forte Young and the company recently celebrated its five year anniversary.

Ben Dyer, BCN 2005 – After graduation Ben worked for Bluewater Builders and Oceangate General Contractors of South Florida as a project engineer and project manager respectively. In 2009, he started DC Green, LLC (www.dcgreencontracting.com) and began building Five Guys Burgers and Fries in south Florida. In 2013, they were awarded an 18,000SF clothing store in West Palm Madrag, have two 8,000 SF restaurants under contract, and just started a new Five Guys in Hallandale Beach. Ben is very excited to be busy this year.

Javier Castano, BCN 2006 - Javier is a Foreign Service Officer and has recently relocated from Afganistan to Vietnam for his next assignment. As a member of the diplomatic service for the U.S. Government, he is now posted at the U.S. Embassy in Hanoi through mid-2014.

Cardiff Shea, BCN 2006 - Cardiff joined Waterproofing Specialties after several years with Balfour Beatty Construction. Cardiff is focused on the commercial construction market and has experience in estimating, value engineering, scheduling, real estate development, contract negotiation and project management. His previous clients range from Walt Disney World to Government Organizations. Cardiff's educational background consists of a Master's in Building Construction from the University of Florida and a Bachelor's degree in Finance with Minor in Real Estate from the University of Central Florida. Cardiff has been a LEED Accredited Professional since 2006 and studied green building practices at the Powell Center for Construction and Environment at the University of Florida.

Ray Godfrey, BCN 2007 – After receiving his Masters in Building Construction and Ph.D. from the College of Design, Construction & Planning with emphasis on Building Construction, he accepted a position at the Rocky Mountain Center of Occupational & Environmental Health within the University of Utah's School of Medicine on a NIOSH (National Institute of Occupational Safety & Health) Graduate Fellowship pursuing a second Ph.D. degree in Occupational Injury Prevention Research.

Steve Hollibaugh, BCN 2011 - After graduation Steve went to work at Hedrick Brothers Construction in West Palm Beach FL. Steve was part of a project team that completed the Equestrian Estate in Wellington FL. Construction and design features of the barn include interior finishes of mahogany, antique pine, and oak mill-work and trim, clay brick and terra-cotta flooring, as well as decorative lighting and plumbing fixtures. Highlights of the barn include rubber pavers in the aisle ways, a bug and mosquito mister system inside and out, an equine laundry facility with custom designed horse hair interceptor, grooming stations, and working tack rooms. He recently earned the AGC's CM-BIM Certification that will enable him to manage the construction side of a project's BIM process.

Jesse Taylor, BCN 2011 – Working with Juneau Construction, Jesse and Matt Algeo (BCN 2008) recently completed the Georgia Highlands Student Center in Cartersville, GA. Matt and Jesse worked together on the project to accomplish quality control, safety/training, and punch list completion.

Nico Hohman, BCN 2011 - Nico has just been promoted to Director of Institutional Planning at the Jesuit High School in Tampa. Congrats Nico!

Caleb Sturm, BCN 2012 – In October, Caleb accepted a position with AGL Resources (commonly known as Atlanta Gas Light). He now works on major capital projects (pipeline infrastructure upgrades and replacements) in the Engineering and Construction group in the Atlanta office. He is the project controls lead for two multi-year programs located in Chicago, IL and is responsible for the estimating, cost controls, construction scheduling, budget management, materials management, some document controls, and program planning.

Patrick Duffy, BCN 2012 - Patrick is currently an Assistant Project Manager with Coastal Systems Development working on high-end residential to large scale commercial development throughout the Caribbean. This position requires quite a bit of travel, usually involving at least three different modes of transportation to get to and from the job site. Building in the islands requires construction of closed loop infrastructure such as power generation and reverse osmosis systems for potable water.

30th Career Fair———

The Rinker School held its Spring Career Fair on February 28, 2012, at the O'Connell Center. This event marks the **30th career fair** hosted by the Rinker School for construction majors. The career fair was attended by nearly 60 companies and approximately 230 students and visitors. In addition to the Rinker School juniors and seniors, many pre-BCN students attended the fair seeking internships, as well as alumni and students from other schools within the College and other building construction programs in Florida.

"The Rinker School was excited to celebrate 30 consecutive successful career fairs," said Robert Ries, director of the Rinker School of Building Construction. "The Rinker School has a wonderful relationship with the construction industry and our alumni, which has provided employment opportunities for students. The future outlook for the profession is positive, given the forecast in employment growth in construction management by the Bureau of Labor Statistics and the recent survey by the National Association of Colleges and Employers indicating that the construction management bachelor's degree is one of the top 10 in starting salary."

In the past 15 years, the Building Construction Career Fair has hosted more than 3,000 companies with the potential to hire the more than 10,500 students who have attended the last 30 career fairs. Based on the ratio of building construction graduates to job place-

ment in the field, the school's annual spring and fall career fairs are the top resource to obtain employment and internships at both the undergraduate and graduate level.



"The Rinker School demon-

strates continued success through the career fair networking events," said Forest Cothron, building construction senior. "The Rinker School continues to be the best kept secret on the UF campus and provides multiple job opportunities to their students."

Companies attending the career fair range from general contractors, construction management firms, design-build firms, heavy civil, development and residential firms.

"The Rinker School has provided a target rich venue to connect its exceptional graduates with companies that require the best talent," said John Sofarelli, building construction alumnus and president of J. Raymond Construction in Orlando. "Our firm has attended the career fair since its inception knowing that we will be able to recruit some top-notch Rinker students."

The Building Construction Career Fair October 22, 2013 9:00 am - 1:30 pm Stephen C. O'Connell Center

For more information, visit our website at: www.bcn.ufl.edu (click on job placement, recruiter information)



BCN Student Taylor Greer takes a photo with Charles Perry Partners Inc. recruiters (l-r) Chris Shepard (BCN 2004), and Rachel McKercher Smith (BCN 2010) and Alberta.



Noah Bates (l-r), Chris Evans (BCN 2007) and Christie Cimring of Brasfield & Gorrie pose with Alberta.



Hedrick Brothers representatives (I-r) Cathy Hedrick, Dale Hedrick (BCN 1980), and John Banting (BCN 2007) takes a photo opportunity with Alberta.



Adam Milner (BCN 2009) and Colette Arnold with Clark Construction pose with Alberta.



Matt Blackburn (BCN 1986) with The Weitz Company meets with a student.



David Stalcy of The Conlan Company poses with Alberta.



Ian Schwartz (l-r) and Greg Kimmelman (BCN 1991) of the Stiles Corporation pose with Alberta.



Suffolk Construction's Tim Havill (BCN 2007) meets with student.

Spring 2013 Welcome Reception -

The Rinker School hosted its Spring 2013 Welcome Reception at Rinker Hall on Thursday, January 17th with nearly 100 students and faculty in attendance. Presentations were made by BCN faculty & staff on the BCN programs for international exchange, job placement, internships, student clubs and student competition teams. The faculty, staff and current students welcomed the newest members to the BCN Family with a "White Hat Ceremony".



Dr. Ries presents Clark Construction's Rolf Billington (BCN 1997) and Kyle Mixon with a plaque of appreciation for sponsoring the Welcome Reception.

A special thanks to
Clark Construction
for sponsoring the
Spring 2013 Welcome Reception







Spring 2013 Graduation Dinner .

The Rinker School held its graduation dinner on Friday, May 3, 2013 at the Hilton University of Florida. Over 159 graduates, family and BCN faculty & staff attended this event to celebrate the graduation of another group of BCN students.

Erik Sharpe, Vice President/Division Manager of Jacksonville for Brasfield & Gorrie, was presented the 2013 Distinguished Alumnus Award. Erik encouraged the students to get involved and support BCN as they become alumni of the Rinker School.

Tiffany Herring was presented with the Academic Excellence Award AND the Outstanding Student Leadership Award by Dr. Robert Ries. She was presented the Fluor Safety Award by Dr. Russell Walters.

Alex Roeder and Janelle Carriere was presented the Best Overall Capstone Project Award by Dr. Rick Smailes.

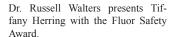
Dr. Robert Ries presented Dr. Jim Sullivan with the Nancy Perry Teaching Excellence Award. Seniors Tiffany Herring and Daniel Diaz presented Dr. Jim Sullivan with the Graduating Seniors Teaching Appreciation Award.



BCN Seniors Tiffany Herring and Daniel Diaz presents Dr. Jim Sullivan with the Graduating Seniors Teaching Appreciation Award.

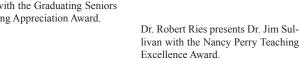


Dr. Robert Ries presents Tiffany Herring with the Academic Excellence Award.





Dr. Rick Smailes presents Alex Roeder and Janelle Carriere with the Best Overall Capstone Project Award.





Homecoming 2013



Mark your calendar for Saturday, November 9, 2013 for Homecoming at the University of Florida in Gainesville. The Gators are scheduled to play Vanderbilt. Plan to stop by Rinker Hall at 10:00 a.m. for some great food, a tour of Rinker Hall, and the Charles R. Perry Construction Yard, and to visit with fellow alumni.

10:00 - 11:00 a.m. 11:00 a.m. 12:00 - 2:00 p.m. 9:30 - 2:00 p.m. BCN Advisory Council review of the BCN curriculum 2012 Construction Hall of Fame Induction BBQ

Tour of Rinker Hall and Charles R. Perry Construction Yard

Times subject to change as game time changes.

Field Trips



On March 14th, PCL Construction Services hosted the Junior 1 and Junior 2 classes at Sea World. A BIG THANK YOU goes to PCL for providing transportation and lunch and to Robbie Grosnell for coordinating the entire trip.



On March 20th, **Disney** hosted a group of students from the Design Build student club, the Design Build class, and the Integrated Project Delivery class. A BIG THANK YOU goes to Disney for providing transportation and lunch and to Bruce MacDonald for coordinating this entire trip.



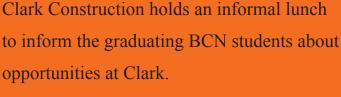
On February 11th the CMAA chapter of the building construction program took a field trip to Lakeland, FL. A new campus for Florida Polytechnic University is being constructed and is scheduled to open fall semester. The visit was led by the General Contractor Skanska, faculty advisor Michael Cook, President Thomas Powell, and Vice President Kasey Faver.



On January 29th, Dr. Jim Sullivan took the Juniors to a project of Charles Perry Partners Inc. BCN Alumni Matt Webster, Troy Lauramoore, and Don Kellogg gave an overview of the superintendents responsibilities and the need for both leadership and jobsite coordination.



Dr. Sullivan took his class to re-roof a house for Rebuild Together. This activity is part of the roofing course requirement.





Dr. Ries took the Value Engineering class to see the Clinical and Translational Research Building being constructed by Skanska.





Preston Haskell -



Preston Haskell has been selected to serve as the first Knight Fellow in-Residence. Haskell is the founder of The Haskell Company, an integrated architecture, engineering and construction firm headquartered in Jacksonville, Florida. His term will be the month of October 2013. While in residence, Haskell will give a community service talk to the SLX Construction Honor Society, guest lecture on a few occasions for a Design Build class for Doug Lucas, attend a BCN Design Build Completion Team's mock presentations, meet with Dean Silver, Dr. Ries and other faculty, administrators and advisors in DCP—providing feedback on academic coursework and programming; and offering consultation on transitioning graduates to the job market.

Knight Fellows are individuals that have ten or more years of experience in the public or private sector and have a record of professional and public distinction and community engagement that has earned them recognition for their civic leadership. Knight Fellows will be in-residence for one month and during that time they will work directly with university faculty and students in the academic areas that most closely relate to their respective fields of practice.

Knight Fellow Preston Haskell to present a public lecture on Wednesday, October 16th 6:00-7:00pm - 140 Rinker Hall

lecture open to all - please RSVP to Kim Stanley (kimms@ufl.edu)

Guest Lecturers

BCN 3224 - Construction Techniques

Dino Zervas, VP of FL Region, Brasfield & Gorrie Betsy Markham, Estimator, Brasfield & Gorrie

BCN 3255 - Computer and Graphic Communications Maya Joannides, VDC Specialist, Turner BIM department

BCN 4510 - Mechanical Systems

Jim Tharp, President & CEO, Tharp Plumbing Kevin Rivera, Foreman, Tharp Plumbing

BCN 4787 - Capstone

Dave Schmit, Principal, Macauley + Schmit

BCN 5618C - Comprehensive Estimating

John McIntyre, President, McIntyre, Elwell & Strammer GC

BCN 6641 - Construction Value Engineering

Julius Blackmon, Master Plan Specialist, Skanska Brian Kappele, DVP - Food & Beverage Facilities, Stellar Group Inc.



Dave Schmit (BCN 1983) (l-r) stands with Dr. Robert Ries.



Dr. Abdol Chini presents appreciation plaque to John McIntyre (BCN 1984).

Kevin Rivera (I-r), Jim Tharp, Dr. Robert Ries, and Dr. Paul Oppenheim in the HVAC Lab at Rinker Hall

Dr. Jim Sullivan (l-r) presents appreciation

plaque to Dino Zervas

along with Dr. Robert







Dr. Robert Ries (l-r) presents appreciation plaque to Julius Blackmon.

Recruiting Efforts _____

The Rinker faculty, staff and alumni are continuing efforts in recruiting new students to the Rinker School. This past spring, Sallie Schattner, undergraduate advisor, coordinated three Rinker Hall tours for potential UF freshman. She also attended various recruiting fairs as well as the Careers in Construction event at Santa Fe College Building Construction Department geared towards high school sophomores as well as walk-in advising hours for transfer students at the Gator Den at Santa Fe College. The School is not only trying to increase the freshman at UF declaring building construction as their major, but also transfer students applying to upper division. This past year the School has developed transfer brochures for state colleges that have all the BCN prerequisite courses and created a flowchart of how to be a project manager from high school through college graduation and beyond. This has been helpful in parents and students understanding what the building construction degree entails. If you know a student who would like to apply to UF BCN as a freshman, please have them attend one of the UF admissions

tours or information sessions (http://www.admissions.ufl.edu/visit. html) where they can also sign up for a Rinker Hall tour or contact us directly at: http://www.bcn.ufl.edu/dcp2 contact/tour.shtml

If you know of any students already attending college that would like to pursue their building construction degree at the bachelor's level, please have them contact Sallie Schattner early in their education so she can guide them with the application to upper division. Ms. Schattner will review transcripts and assist students in selecting the correct classes and when is the best time to apply. Her advising calendar can be viewed at: www.bcn.ufl.edu/registrar

If you would like to assist in getting the "word" out about the Rinker program or need any Rinker School information folders or DVD's that include the Rinker School video, please contact Sallie Schattner at sallieas@ufl.edu



The ACE camp begins with a tour of campus. Each of the students were given BCN t-shirts for the day.



While touring the SWAMP, the students met with a student-athlete who told them about life as a UF student.



To prepare the ACE students for the local job site visits to the Reitz Union and Heavener Hall, the students where given BCN hard hats and protective glasses during the safety briefing.



The DCP exercise took them to the Plaza of the Americas where they were assigned to create an idea for a structure in the middle of the lawn for public use.



After coming up with an idea for the park, the students had to make a model and present the idea to DCP faculty.



Dr. Jim Sullivan explains to the ACE students the difference between cement and concrete. Each of the students made a mold of the UF logo to keep as a souvenir.



Dr. Paul Oppenheim instructs the students with an electrical exercise.



Dr. Paul Oppenheim instructs the student on pipe cutting and fitting.



The ACE students on the last day pose for a group photo.

Fire & Emergency Services (FES) Program _____

Curtis M. Phillips, M.D. Center for the Performing Arts

Jonathan Rodriguez, Tommy Gately, Kyle Burford, Michael

Interior De la Contraction de

Lorie Drewke (FES Program Administrator), Dottie Beaupied (Graduate Program Assistant), Krissy Stotts, Dr. David Meurer, Gwen Thomas Howard, Mel Bledsoe and Jesse Blaire

New master's degree program in Fire and Emergency Services!!

We are pleased to announce that the master's degree in Fire and Emergency Services with a focus on disaster management will launch this fall. The Master of Fire and Emergency Services (M.F.E.S.) is a non-thesis, distance education, advanced degree program with a research report/project requirement. It is intended to prepare students to assume upper-level (ES/DM) management responsibilities in a multiagency organization. Along with the new master's program, new faculty are being hired for both the undergraduate and graduate programs.

Spring 2013 Commencement

Four FES students walked in the spring 2013 DCP commencement ceremony held at the Curtis M. Phillips Center for the Performing Arts in May. Congratulations grads!!

ClinCon 2013

To the mutual benefit of the CCP and FES programs, we have begun a dual marketing campaign to showcase both. In June 2013, representatives from CCP and FES attended ClinCon, the educational conference for EMT, Paramedics, Firefighters/Fire Administrators, EMS Educators, Nurses, and Physicians held in Orlando. Plans are underway to attend more joint recruitment and outreach events in the future.

A total of 36 teams from across the state competed in the ALS/BLS (Advance Life Support/Basic Life Support) Competition during the three-day conference. We want to congratulate the top two teams both of which featured FES graduates! The Miami-Dade Fire Rescue team won first place with the Margate Fire Department taking second.



Several students stopped by the booth, including Kara Hayes (FES 2007) – one of the first women to receive her Bachelor of Science in FES from UF.



The Miami-Dade Fire Rescue team won first place. Pictured on the far right is Michael Ung (summer 2013 FES graduate).



The Margate Fire Department team took second place. Pictured on the far left is Manny Sanchez (BS FES, 2010).

Critical Care Paramedic Certificate Course

The Critical Care Paramedic Certificate Course program is thriving! Our second course held in June 2013 was at near capacity and the December course is already more than half-filled. Featured here is Derek Hunt, CCP Program Coordinator (far right) and the 30 graduates who successfully completed the intensive, high-level course earning the University of Florida CCP certification. As a testament to the quality of instruction and training students receive, 100% of those from the first two courses who opted to sit for the nationally recognized FP-C (critical care flight paramedic) exam successfully passed, earning the highest paramedic rating possible.



Solar-enabled Mobile Kiosk -

When UF's Office of Sustainability approached the School of Architecture to revamp and redefine their mobile outreach program, Charlie Hailey, architecture associate professor, and Ravi Srinivasan, building construction assistant professor, decided to team up and collaborate on the project as part of the Integrated Project Delivery (IPD) interdisciplinary course curriculum. The project was to design, and build a mobile kiosk. The kiosk needed to be mobile, transported by a bike, made of steel and solar panels, has LED lighting and is used to charge laptops and cell phones. This challenge was accepted by 14 architecture and seven building construction students in the Integrated Project Delivery course this spring.

The Office of Sustainability provides a mobile outreach program to share knowledge to the UF campus. The goal of the program and the mobile kiosk is to promote sustainability while informing faculty, students and staff of the best sustainable practices.

The project was assigned to the students in the beginning of the spring semester. Professor Hailey's Design eight students were given the task of research, design and execution. Professor Srinivasan's students worked on the sustainability aspect of materiality and the calculations of the "emergy," i.e., all of the energy that has gone into the making of individual components. Both BCN and SoA students met with members of the Office of Sustainability and student interns to learn their goals for the project.

The kiosk was constructed with reused materials to minimize its

environmental impact and to maximize its usefulness as a learning tool. The kiosk frame consisted of steel tubing for structure and strength and was assembled and welded together by SoA students. The rib system that forms the vessel is made of thick plywood that was leftover material from replacing desktops in many of the architecture studios.

When it reaches its location, the trailer's "wings" are raised to create a shaded area and to take

in the sun's energy with two 250 watt solar panels, which power cellphone charging stations, LED lights, laptops and a flat-screen monitor. Counters also fold down to provide areas for brochures, games and informal conversations. The main counter space is comprised of "ribs",



which were off-cuts from the leftover plywood material. The students utilized 3D modeling software and SoA's new CNC machine (an automated milling machine) to make the "ribs." The solar panels, inverter, battery and LED lights were donated by a local firm, Sun Power Production Management Inc.

Once the project was completed, the students, Professor Hailey, Professor Srinivasan and the Office of Sustainability "unveiled" the mobile kiosk in the Plaza of the Americas.

"There is no question that this was a unique project for BCN students since, typically, they are used to working at much larger scales," says Srinivasan. "Besides, this project gave an opportunity for students of SoA and BCN to work together on a common goal."



The mobile kiosk will be used on campus starting this fall. The BCN students involved were Enrique Bejarano, Travis Cambre, Forrest Cothron, Darryl Ditzel, Richard Ledbetter, Christina Moreno, and Patricia Riemer.

Green Energy Challenge 2013

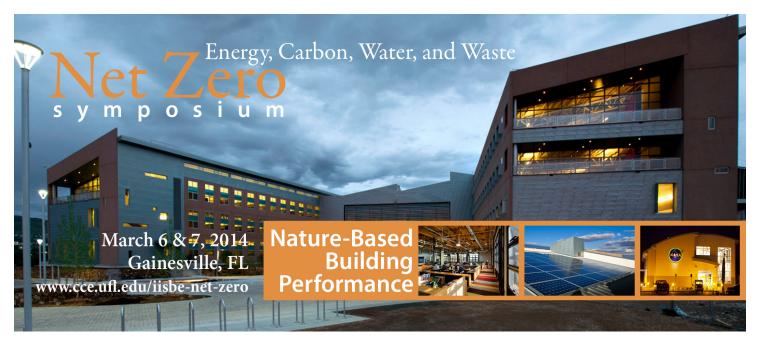


The first generation of the National Electrical Contractors Association (NECA) student chapter of the University of Florida was born when a few students and a devoted faculty member decided to participate in the Green Energy Challenge of 2013. The goal of a NECA student chapter is to encourage the pursuit of careers involving

electrical systems in the construction industry. The purpose of the challenge is to assess the ability of a team to analyze problems and observe their response in creating a solution. The chapter's faculty advisor, Dr. Russell Walters, has been instrumental in the development of the chapter as a team, and in imparting the technical understanding of electricity to team members Faith Bejarano, Jim McCarthy, Alejandro Velez, Justin Calhoun, and Kwando Ngwenya.

For the Green Energy Challenge, the team decided to analyze the parking structure located adjacent to the recently renovated Rawlings Hall on campus. The client was the University of Florida Department of Transportation. The team assessed the physical conditions of the garage, identified opportunities for installing Electrical Vehicle Charging Stations on the lower tiers, and a Photovoltaic (PV) system on the uppermost level, analyzed the savings in electrical costs associated with the possible installation of the retrofit, and explored different possible suppliers for equipment required, and met with the client to discuss options, preferences, and to answer any questions. The team joined the Office of Sustainability on campus to spread awareness about their efforts, and distribute informative fliers to users of the structure.

After all the proposals have been judged by a panel of jurors, who are also contractors, a few teams will be shortlisted and invited to Washington D.C for the final rounds of the competition. Some contractors looking for promising young talent are also known to attend the proceedings and seek out the students who display the qualities they are looking for. The Green Energy Challenge not only allows student chapters to cultivate their ability to think analytically, but provides opportunities for networking with prominent contractors in the industry.



Lessons Learned

written by Jim Kalemeris 1951

While bidding the St. Lawrence Church in Tampa (in 1979), I was also preparing a deductive alternate. The roof framing was of structural steel with precast concrete wrapped around the steel beams. The altar was precast concrete approximately 70 feet high. In preparing the deductive alternate I had the laminated wood contractor quote the roof framing in laminated wood (he was also a licensed structural engineer). The altar wall and exterior walls were precast concrete, and the alternate was metal studs with plaster outside and drywall inside. I was low bidder at \$1.3 million and the deduction was \$300,000. I got the job and the architect had to redraw the plans.

An unforeseen bonus occurred when the stucco man made a sample of the precast finish that was to be stuccoed. The precast finish was rough and scratchy and the committee thought it looked ugly. It was changed to a smooth finish. If it had gone precast, the church would have been stuck with it. This type of knowledge is invaluable to a client and will create good will all- around and on future projects. I wanted to share this with the students of the Rinker School.



Jim Kalemeris, BCN

Student Competition Team

The LEED Team, sponsored by **DPR**, participated in the national LEED problem competing against 14 other schools in Reno, NV in February 2013 at the Associated Schools of Construction (ASC) Region 6 & 7 competition. This year's problem statement focused on both LEED and Living Building Challenge criteria for a mixed use project. The team had a great experience competing and attending the Region 6 & 7 career fair representing the Gator Nation. Team members include Janelle Carriere (Captain), Erik Bernal, Seth Winship, Kyle Jaeger, Jimmie Kok and Abigail Butcher. Janelle has since accepted a position with DPR in their San Diego, CA office.

LEED Team members (l-r) Jimmie Kok, Kyle Jaeger, Abigail Butcher, Janelle Carriere, Erik Bernal and Seth Winship.



Sponsorships -

The Rinker School has a limited budget, and there are many activities and items for which we could certainly use your financial assistance. In return for your underwriting of these activities/items, we would provide appropriate publicity regarding your support.

For example, in the case of events, we would be pleased to have a company representative attend the event and say a few words on behalf of your firm. For the Newsletter, we would include prominent credit on the back page of the Newsletter.

The following is a list of events and their approximate cost to us for which your support would be very beneficial to the Rinker School and its students:

AVAILABLE : Fall 2014	SPONSORSHIPS Welcome Reception	\$3,500	Design-Build Te Spring 2014	e <u>am</u> Haskell
Fall 2013 Fall 2013 Fall 2014	Graduation Dinner BCN Newsletter Homecoming BBQ	\$3,500 \$8,000 \$3,500	Heavy Construction Fall 2013	
UPCOMING SPONSORSHIPS Welcome Reception		BIM Competition Spring 2014	on Team Turner Construction	
Fall 2013 Spring 2014	J. Raymond Construction The Weitz Company	n	Construction Ma Fall 2013	anagement Team Balfour Beatty
Homecoming F Fall 2013 Fall 2014	BBQ James A. Cummings Clark Construction		LEED Competit Spring 2014	tion Team DPR Construction
Graduation Dir Spring 2014	nner Springer-Peterson		sponsor an u	additional information or would like to pcoming event or activity, please contact ies (rries@ufl.edu)

Previous Sponsors

Special thanks to our past event sponsors.

Homecoming BBQ

2010 - Hawkins Construction 2011 - Current Builders

2012 - Hardin Construction

Graduation Dinner

Fall 2010 - Clark Construction

Spring 2011 - Fluor

Fall 2011 - Balfour Beatty

Spring 2012 - Clark Construction

Welcome Reception

Spring 2010 - Brasfield & Gorrie

Spring 2011 - Hardin Construction

Spring 2013 - Clark Construction

BCN Newsletter

Spring 2010 - Clark Construction

Fall 2010 - CEMEX

Spring 2011 - J. Raymond Construction

Fall 2011 - Acousti Engineering, Climate Control Mechanical Systems, Coastal Construction, and Scherer Construction of North Florida

Spring 2012 - CPPI Inc., Current Builders, J. Raymond Construction, Kiewit

Fall 2012 - CPPI Inc., Clancy & Theys, Kiewit, J. Raymond Construc-

Spring 2013 - Coastal Construction, Current Builders, Hedrick Brothers, Kiewit

BIM Competition Team

Spring 2009 - Current Builders

Spring 2010 - present - Turner Construction

Commercial Team_

(1998 - present) Balfour Beatty

Design-Build Team_

(2002-present) Haskell Company

Heavy Construction Team_

(2006-present) Nelson Construction

ABC Competition Team

Spring 2009-ANF Group and Florida Gulf Coast Chapter of ABC Spring 2010-ANF Group, Tri-City Electric Co., Lotspeich Co. of Florida,

William R. Nash, Inc., and Florida Gulf Coast Chapter of ABC

Spring 2011-present ANF Group and Florida Gulf Coast Chapter of

ABC

NAHB Competition Team

2009 - Paul & Laura Dickert

2010 - National Housing Endowment and Paul & Laura Dickert

2011 - National Housing Endowment

2012 - Coastal Construction

LEED Competition Team

Spring 2009 - Holder Construction

Spring 2010 - James A. Cummings

Fall 2010 - Clancy & Theys

Fall 2011 - Coastal Construction

Spring 2012 - DPR Construction

Major Donor Companies -

To show our appreciation to the construction companies who have contributed generously to the Rinker School, we have created a major donor status and provided the following recruiting advantages for our major donors:

All Major Donors shall receive a discounted registration fee for the career fair according to their level of donations (Gold, Silver and Bronze). See the fee structure below.

All Major Donors shall get preferential placement at the Career Fair.

All Major Donors can participate in a reception with the graduating seniors the evening before the Career Fair.

Major Donors will be given priority for interviews and seminars at the School before the Career Fair.

Regular Registration Fee:

For a booth including two (2) recruiters/company representatives... \$1,000 For each additional recruiter/company representative.... add \$400 each

Major Donor Registration Fee:

Bronze Level

For a booth including two (2) recruiters/company representatives. \$500 For each additional recruiter/company representative.... add \$250 each

Silver Level

For a booth including two (2) recruiters/company representatives. \$300 Add one (1) additional recruiter/company representative free of charge. For each additional recruiter/company representative.... add \$200 each

Gold Level

For a booth including two (2) recruiters/company representatives. \$300 Add up to three (3) additional recruiter/company representatives free of charge.

Major Donor Levels:

<u>Bronze</u>: Companies who have contributed \$10,000 or more to the Rinker School of Building Construction over the preceding 3 years.

<u>Silver</u>: Companies who have contributed \$50,000 or more to the Rinker School of Building Construction over the preceding 10 years.

<u>Gold</u>: Companies who have contributed \$100,000 or more to the Rinker School of Building Construction over the preceding 10 years.

Major Donors as of July, 2013

Gold (\$100K or more in last 10 years)

Baker Concrete
Balfour Beatty
CEMEX USA
Clark Construction Group
Fluor Foundation
Holder Construction
J. Raymond Construction
Walker & Company

Silver (\$50K or more in last 10 years)

Angle & Schmid
Brasfield & Gorrie
Charles Perry Partners, Inc.
Coastal Construction
Current Builders
Haskell Company
Hedrick Brothers
James A. Cummings, Inc.
McIntyre Elwell & Strammer GC
Miller Construction
Stiles Corporation

Bronze (\$10K or more in last 3 years)

Acousti Engineering of FL ANF Group Inc. Burkhardt Construction Clancy & Theys Construction David Nelson Construction **DPR** Construction Gerdau Ameristeel **Hardin Construction** Hawkins **Kiewit** Markel-Eagle Partners LLC Skanska USA Building Inc. Springer-Peterson Roofing & Sheet Metal Suffolk Construction TGSV Enterprises The Conlan Company The Weitz Company

Turner Construction Co.



Below are photos of the Major Donor Reception at Rinker Hall.





Thank You -

Thank you to all who donated to the M.E. Rinker, Sr. School of Building Construction General Fund (January - June 2013):

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Kane Wei

2006

Kevin E. Yarbrough

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Advisory Council

The M.E. Rinker, Sr. School of Building Construction is honored to have an active Advisory Council whose members, both individual and corporate, serve as an important source of advice and support for the School. Advisory Council is an opportunity for you and your company to form a strong liaison with the School. In this way, we can be assured that our program is current and meets the ever-changing needs of the construction industry. We hope you will consider becoming a member of the Advisory Council for the M.E. Rinker, Sr. School of Building Construction.

HERE IS MY GIFT FOR THE M.E. RINKER, SR. SCHOOL OF **BUILDING CONSTRUCTION** My gift in the amount of \$ is made to the University of Florida Foundation for the M.E. Rinker, Sr. School of Building Construction Be sure to put BCN in the Memo Line Please check the appropriate block membership in the BCN Advisory Council: INDIVIDUAL MEMBERSHIP CORPORATE MEMBERSHIP \$100 Certificate \$300 Mounted Certificate plus BCN tumbler \$300 Mounted Certificate plus BCN tumbler \$1,000 Plaque Name ____ Address _____ City ____ State ___ Zip ____ Signature Date Please send gifts to 304 Rinker Hall, PO Box 115703, Gainesville, Florida 32611 Help Build the Future with the BCN Brick Paver Campaign! Want to have your name in Rinker Hall, the home of the M.E. Rinker, Sr. School of Building Construction? Buy a brick paver, support your School, and have your name etched in stone for the world to see! The 4" x 8" brick pavers are available to students, alumni and friends for \$125.00. There is a 3-line limit, with a 16-character limit per line. Each space, period or other such punctuation is considered a character. Visit www.bcn.ufl.edu for more information. Please make checks payable to UF Foundation. Do NOT send cash. Be sure to note BCN Brick Campaign in the Memo Line. Please send checks to 304 Rinker Hall, PO Box 115703, Gainesville, Florida 32611 City: State: Zip: _____ Phone: ____

Number of Bricks Ordered:

Total Amount Enclosed:

Faculty & Staff News

Dr. Jimmie Hinze was presented with the CII Outstanding Researcher Award for his work on Research Team (RT) 284, Beyond Zero: Utilizing Safety Leading Indicators. He is one of only two individuals who are two-time winners of this award. There is only one other person who has received it two times other than Dr. Hinze. Congratulations, Dr. Hinze!





Dr. Sherry Ahrentzen was awarded the ARCC James Haecker Award for Distinguished Leadership in Architectural Research. This award recognizes an individual who has made outstanding contributions to the growth of the research culture of architecture and related fields, including urban and regional planning, landscape architecture, and interior design

Gator Gathering

The annual meeting of the Associated Schools of Construction provides an opportunity for the Gators who teach at the construction programs around the nation to get together and share their memories of the University of Florida. The 2013 annual meeting took place in San Luis Obispo, CA and the picture shows the Gators who attended the meeting:



Front Row (l-r):
Jim Sullivan, University of Florida
Cristina Cosma, Wentworth Institute of Technology
Zhigang Shen - University of Nebraska - Lincoln
Abdol Chini - University of Florida
Robert Ries - University of Florida
Rick Fobair - University of Oklahoma

Back Row (l-r): Yimin Zhu - Florida International University Phil Barlow - Cal Poly State University - SLO Michael Emmer - Roger Williams University Joe Burgett - Clemson University

Not in the picture: Darren Olsen - Auburn University Mark Taylor - Auburn University

Disney Integrated Project Delivery (IPD) Summit

Disney hosted an IPD Summit on June 20, 2013. Rinker faculty members were invited to present at the IPD Summit hosted by Disney in Orlando, FL. The presentations focused on the multi-disciplinary education in the Rinker School curriculum. **Dr. Rick Smailes** presented on BCN 4787 - Capstone Class, **Dr. Doug Lucas** discussed BCN 5729 - Design Build Delivery Methods, and **Dr. Ravi Srinivasan** presented work from BCN 5789 - Integrated Project Delivery. Disney periodically organizes summits to bring project team members together to discuss leading edge activities in building in foundation modeling and integrated project delivery. Representatives from Disney, Balfour Beatty, Clark Construction, DPR Construction, Whiting-Turner Construction, Hoar Construction, and KHS&S also participated in this event.



Dr. Ravi Srinivasan (l-r), Dr. Doug Lucas and Dr. Rick Smailes

Welcome New BCN Staff ——

The Rinker School is pleased to welcome Sandi Reveille to the BCN family as Senior Fiscal Assistant. Sandi moved to Florida in 2002 from New York after her husband retired from NYC Police Department following 9/11. She graduated from The Berkeley Business School in New Jersey and worked for Sony Corporation Headquarters for 10 years until giving birth to their first



child. Prior to joining UF where she was the Research Secretary in the College of Pharmacy, she worked in various positions at Robinshore Inc. and Horizon Realty of Alachua.

She has been married to David for almost 23 years and they have three daughters who are very active in soccer, Santa Fe High School Band and softball.

Congrats to Lorie Drewke for being recognized for 5 years of service and dedication to the University of Florida.





Christopher George Zutes, BCN 2006

At the young age of 28, Chris passed away in a tragic boating accident on July 4, 2012. After graduating from the Rinker School, he furthered his education by getting a Masters in Management from UF. He then moved back to Tampa and took a position with Whiting-Turner Contracting Company. During his time at Whiting-Turner he was the Senior Field Engineer at the Center of Excellence for Drug Discovery and Innovation (CDDI). Chris became a vital member of the team that construction state-of-the-art research labs for respected scientists and USF graduates discovering cures for deadly infectious diseases throughout the world. A scholarship to support graduate students who are pursuing academic initiatives in infectious diseases was established at USF in honor of Chris's memory.

Chris's family and friends admired him for his positive outlook on life, exceptional degree of intelligence, avid love of sports, sharp-witted sense of humor, overall benevolent demeanor and a deep passion for music. Chris is survived by his loving parents, George and Lucinda, and younger sister and best friend Camille.



Lee Bryan Lewis, BCN 1993

At the age 43, Lee passed away on May 16, 2013. After college he moved to Atlanta where he worked for Centex Homes until moving to Lake City in 1996. He changed industries and worked with First Federal Savings Bank as Vice President of Business Development. While working and living in Lake City, Lee served as president of the United Way of Suwannee Valley, president of the Chamber of Commerce in Lake City and worked on various other community focused programs and committees. In Janu-



ary of 2005, he moved to Fernandina Beach to open a branch of First Federal. Lee was always one to constantly be thinking and envisioning new concepts which took him to Burbank's Sports Nets where he lent his sales abilities and charismatic personality to the Burbank family. Lee later founded Priority Vision, a company that invented and marketed his signature smokeless tobacco alternative "Nip Energy Dip". In 2012, he joined Colliers International Commercial Real Estate, in Jacksonville, where he worked in Business Relations.

Lee's family and friends will recall his love of coaching his daughter's travel softball teams, his love of the outdoors; whether golfing, playing tennis, baseball, snow skiing, or his most recent feat of completing a 26 mile circumnavigation of Amelia Island on his stand up paddle board for his 42nd birthday. He commonly told his friends that there are 86,400 seconds in each day; live each one of them to the fullest.

Lee is survived by, his wife, Meredith Lewis, Fernandina Beach, FL, his two daughters, Sarah Katherine "S.K." Lewis (13), Caroline Quinn Lewis (11), and their mother, Kimberly Lewis, all of Lake City, FL

Robert "Bob" Donald, BCN 1950

After graduating from the School of Building Construction he worked as a Certified General Contractor for commercial and residential properties. He served as a consultant and estimator in the construction industry and was a real estate broker. These various fields comprised Bob's highly respected career in the construction industry spanning over 60 years until his retirement in June 2010. To aid in traveling throughout Florida, for work, Bob became an instrument-rated licensed pilot and flew single and twin engine planes.



Bob enjoyed building things and anything water oriented – boating, water skiing, swimming, snorkeling, and fishing. Bob passed away on February 26, 2013.

John O. Blount, BCN 1959



John's sons, John O. Blount, III (BCN 1980) and Jeffery W. Blount (BCN 1985), succeeded him as graduates of BCN. John was an outstanding representative of all that BCN would wish for its graduates. He was a community leader, serving as President and Vice President of the local chapter of the Associated General Contractors for several terms, and as a member of the USO Board of Trustees.

After graduation, he was employed by Brown Contracting Co. of Miami, and moved his family to St.

Thomas, VI where he completed government construction contracts. When working with S.S. Jacobs and Wood-Hopkins, based in Jacksonville, he managed construction of the twin black and white Peachtree Palisades buildings in Atlanta, the Physics Building at Georgia Tech, and a landmark building complex in Downtown Jacksonville now serving as main offices for the Jacksonville Electric Authority. There are numerous projects in and around Jacksonville that were built when John was President of F. M. Cox, Inc., a company he purchased in 1972. The company, established in 1947, specialized in commercial construction of churches and midsized office buildings – many of those for Southern Bell and Barnett Banks.

John was also Chairman of the Building Committee at First Baptist Church in Downtown Jacksonville for a number of years. He led through his service in the Men's Ministry, but also in helping to guide decisions regarding the physical plant and construction of the buildings that continue to support the work of this large urban church community.

He retired in 2002 after more than 40 years in construction. Had his health allowed it, he would have loved to continue on because building was a life-long passion. He served his community well and left a legacy of his life's work in so many ways. John passed away on January 11, 2013.

Michael C. Malcolm, BCN 1979

After serving in the United States Air Force, Michael attended the UF School of Building Construction. Upon graduation, he returned to his hometown of Jacksonville where he had a successful career in the residential home building industry for almost 20 years. In 2001, he opened a family owned restaurant called the Parkway Grille in Fernandina Beach, FL where he always joked with friends saying "I just want to flip hamburgers".



Michael was happily married for 40 years to the love of his life, Bobbie Bear Malcolm. They enjoyed spending time with their family and friends, relaxing together and watching the Florida Gators play.

The Charles R. Perry Construction Yard - Craft Awareness

The Charles R. Perry Construction yard continues to be a great asset for the Rinker School. Faculty for all courses are encouraged to incorporate hands-based skills activities to all courses. Please contact Dr. Sullivan if your company is interested in developing course enhancements. Students continue to work with small hand

tools and plan reading, Bryan Light and Painter Masonry support the school with both brick and block labs, and Dr. Oppenheim continues his hands on piping and HVAC/Mechanical installation labs among other labs that continue throughout each semester.



















A Special Thanks goes to the Fall 2013 Newsletter Sponsors......

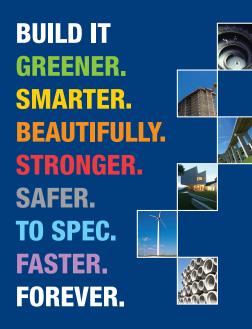


Balfour Beatty



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