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# ORANGE & BLUEPRINTS

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

America's First School of Construction Education  
Dedicated to Construction Science and Management

Summer 2003





## A Message From Dr. Abdol Chini

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I joined the faculty of the Rinker School of Building Construction in August 1994. Since that time, I have enjoyed a very fruitful and rewarding career of teaching and research. In March of 2003, Dr. Jay Stein, the Dean of the College asked me to serve as the Interim Director of the BCN. I am honored to be of service to such a fine institution as the Rinker School. My goal is to keep the School a leader in construction education and I am confident that with the support and participation of the construction industry, this goal will certainly be achieved.

There are several important news items about the School that I would like to share with you. The biggest and best is the completion of Rinker Hall. What seemed like an impossible dream a decade ago became a reality on March 31, 2003 when, for the first time, Rinker School students attended classes in Rinker Hall. The completion of Rinker Hall marks the start of a new era for the School and will truly create a huge change in the way we educate our young men and women in the construction profession. It is a state of the art building in every respect – classrooms, laboratories, computers, internet connections, offices, and an outside construction demonstration area which will allow our students to gain direct experience with aspects of construction in parallel with their academic training (see article about Rinker Hall in this issue).

Our biggest issue at present is completing the funding to furnish Rinker Hall. We still have a funding gap of \$600,000. I am appealing to all our alumni to contribute to the furnishing campaign. Your contribution will be greatly appreciated by the students and faculty and help us properly furnish our new building. Please consider a generous donation or pledge to this campaign to help us bridge the funding gap of \$600,000 (see Named Sponsorships of Furnishing form in this issue).

The dedication ceremony for Rinker Hall is scheduled for October 14, 2003 at 2 PM. You will receive more information about this ceremony in September. I hope we will see all of you at Rinker Hall's dedication.

Another exciting news item is the renewal of BCN program's accreditation by the American Council for Construction Education (ACCE). A team from ACCE visited the UF campus on April 6-8, 2003 to examine the BCN program as part of the renewal of accreditation process. The team was very pleased with the quality of the program and recommended the renewal of accreditation for another six years. The ACCE Board of Trustees approved this recommendation at its July 26 meeting in Portland, Oregon. The Visiting Team cited the high level of support the BCN program receives from the construction industry and its advisory council as a major strength of the program.

Dr. Brisbane Brown retired on June 30, 2003 after 29 years of outstanding service to the Rinker School. He was the School Director from 1980 to 1987 and played a significant role in development of the BCN program into a nationally recognized and respected school. In response to his years of service, innovation, and leadership, Rinker Hall Room 336 will be named the Brisbane H. Brown, Jr. Room at the Rinker Hall dedication ceremony on October 14. In addition, an endowed scholarship to be offered to a qualified BCN student has been established in his name (see article about Dr. Brown retirement in this issue).

I want to thank all of you for your generous support of the Rinker School. Several companies supported our new student receptions, graduation dinners, student organizations, and this newsletter. James A. Cummings Inc. provided the cost of publishing this issue and we are very grateful for their generosity.

Since its inception in 1935, the BCN program has kept close ties with industry, listened to ideas concerning change and improvement in curriculum, and implemented those changes. My goal is to strengthen this relationship. Industry support of the Rinker School is vital and we depend on you for the quality of our program, which in turn benefits the construction industry.

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

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Greening UF Program  
**Mr. Dave Newport**

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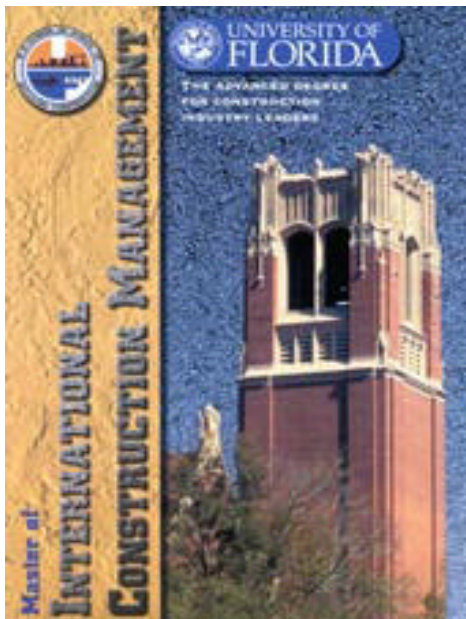


## *International e-Journal of Construction:*

### **Sponsorship and Recent Publications**

The M.E. Rinker School of Building Construction has established a new internet-based journal for the construction profession (the International e-Journal of Construction – leJC). The mission of leJC is to provide a mechanism for the generation, development, and communication of ideas and knowledge that will assist in the advancement and promotion of the construction profession. This encompasses all construction-related disciplines including, though not limited to, management, economics, engineering, safety, materials science, building and component performance, information technology, facilities management, and environmental and sustainability issues. All forms of construction are considered from residential to heavy engineering facilities. To date, leJC has published two Special Issues, viewable at the leJC website listed below: (1) *Construction Safety Education and Training* (sponsored by Fluor), (Guest Editor: Dr. Jimmie Hinze); and (2) *The Future of Sustainable Construction: 2003*, (Guest Editor: Dr. Charles Kibert). leJC is a non-profit making organization, providing a free service to all users. The operation and maintenance of leJC is supported through the donations of its sponsors and by the in-kind support of the Editors. We currently have one industry sponsor (Fluor), but require additional continuing sponsorships (\$10,000 per year per sponsor) from construction and affiliated organizations, to make the endeavor sustainable. In return for their generosity, a sponsor company logo will be displayed on leJC's home page, along with a direct link to the company's website. In addition, where appropriate, a company can be named as the sponsor of a Special Issue, with an additional link to the company's website from the front page of the Special Issue. To become a sponsor, please contact Dr. Ian Flood, Editor-in-Chief at: [flood@ufl.edu](mailto:flood@ufl.edu) or tel: 352-273-1159. Come and visit us at <http://www.bcn.ufl.edu/iejc>

## **Earn your Masters degree via the Internet!**



The **International Construction Management Program (ICM)** continues to draw interest with over 25 students registered for classes. Participating students come from small, regional companies as well as large international companies such as Fluor, Bovis Lend Lease, and Bechtel. The US Army as well as the US Air Force is represented with students coming from as far away as Italy. These students are currently earning a Masters degree while taking classes from their home or office. Individuals have the opportunity to enroll as non-degree-seeking students for professional development, earn certificates of competency, or enroll for the Masters Degree in International Construction Management (MICM). This advanced degree will prepare its graduates for positions of increased responsibility within their company by providing a set of skills that will make them a more valuable asset to their employer. The program is delivered via the Internet and enables students to “attend” classes anytime, anywhere. For more information, please visit the ICM website at <http://www.bcn.ufl.edu/icm> or contact Dr. Raymond Issa at [raymond-issa@ufl.edu](mailto:raymond-issa@ufl.edu)

# New Class in Collaborative Design Processes

In the Spring Semester, Dr. Bill O'Brien introduced a new class to the graduate program in BCN: Collaborative Design Processes. The goal of the class is to help students understand the multidisciplinary nature of design and learn skills in multidisciplinary collaboration. Master's students in Architecture, Building Construction, and Civil Engineering form small teams to produce a coordinated architectural and engineering design, schedule, and estimate.

## Distance Collaboration and Technology

Many design and construction teams today are geographically distributed. The Collaborative Design Processes class mirrors this by bringing together students and faculty from both the University of Florida and the University of Illinois at Urbana-Champaign (UIUC). Dr.

O'Brien co-teaches the class with Drs. Lucio Soibelman (Civil Engineering at UIUC) and George Elvin (Architecture at UIUC). The class uses the Internet and commercially available software to enable real-time distance communication and collaboration.

According to Dr. Soibelman, "The use of commercially available tools is key to the class. Students can take their skills with them directly to practice." Among other tools, the class uses Microsoft's NetMeeting™ to share applications and perform real-time white boarding, and Macromedia's Flash Communication Server™ to share synchronous voice and video. The students say that the communications tools work pretty well, although there are some inevitable rough spots. But the students also say that learning the technology, together

with working with collaborators at another university, are major positives about the class.

## Course Project

At the start of the semester, students are formed into groups and given a project program. In Spring '03, students were

asked to design a place of worship with a covered area of 14,000 sf and a budget of one million dollars. "We make the budget and schedule tight on purpose," states Dr. O'Brien. "If students had an infinite budget, they wouldn't have to

negotiate or learn how to make compromises in the design." But the students do perform. Figures 1-3 show examples from a student design for the place of worship. It took a team of four students about seven weeks to go from a program to a coordinated design, schedule, and estimate. "What's really impressive is that many of the students have only limited professional experience," claims Dr. Elvin. "There is a lot of learning going on here at many levels, from how all the components

of a building come together to how the different professions work together."

One student agrees, stating "In all my student career as an architecture (BA) and BCN (MS) student, this is the first class where I've had to work with students outside my discipline. There should be more

classes like this." Of course, the class doesn't teach everything one needs to know about collaborative design and work processes in one semester. A particularly tough area for students is to give good conceptual cost estimates early in the design. "We may need to bring some conceptual estimating skills into the class and/or look for software tools to help. Giving good cost advice is key to good collaborative design," states Dr. O'Brien. But the students do manage to put it together and produce quality designs within cost and schedule. .

All in all, the students and faculty are happy with this innovative course. "We're learning a lot about how to teach multidisciplinary collaboration... something we normally don't do in our narrow specialties," says Dr. O'Brien. And

the students enjoy the chance to work together and learn new skills. More than one claims, "it is one of the best classes I've taken."

If you would like more information about the course, please contact Dr. William O'Brien at [wjob@ufl.edu](mailto:wjob@ufl.edu).



Figure 2: Elevation for place of worship

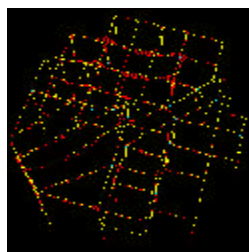


Figure 1: Structural design for analysis



Figure 3: Interior rendering for place of worship



# Fluor Program for Construction Safety

contact: Dr. Jimmie Hinze hinze@ufl.edu

The Fluor Program for Construction Safety is the result of an alliance that the Rinker School has entered with Fluor Corporation. While safety training is the primary objective of the alliance, other safety-related activities of mutual interest are also pursued. For example, several Fluor projects have been visited over the past three years to gather information for safety research being conducted at the University of Florida. In return, research findings are shared directly with Fluor personnel. Currently, Fluor and the Rinker School are discussing the possibility of developing and delivering an advanced managerial class on construction safety. Also, very importantly, Fluor has been generous in its financial support of the program.

The Center for Construction Safety and Loss Control has been involved in a series of construction safety research studies. The primary research studies have been conducted for the Construction Industry Institute. The first study examined effective safety practices being implemented on large construction projects. The second study examined safety practices being effectively employed on shutdown or outage projects. The third project, which is currently being completed, examined the role of facility owners in construction safety. Other studies that are being conducted or that have been completed recently include safety on residential projects, applications of technology to safety, jobsite security, addressing the unique aspects of non-English speaking construction workers, safety practices of medium sized construction firms, the problems posed by mold in buildings, and others. There are many facets to construction safety and many are being examined through our center. This year we have been fortunate to have about ten graduate students who have been interested in studying construction safety issues.

This past year the Center has been involved in organizing a student chapter of the American Society of Safety Engineers (ASSE), a national organization to improve safety in the workplace. The Center has also been working on a bibliography of safety references that currently numbers more than 2000 articles and books. In addition, we have hosted Dr. Ahn, a visiting scholar from Kunsan National University in Korea. The Center has also played a key role in the assembly of a special issue of papers on construction safety education and training for the International e-Journal of Construction that is sponsored by the M.E. Rinker, Sr. School of Building Construction.

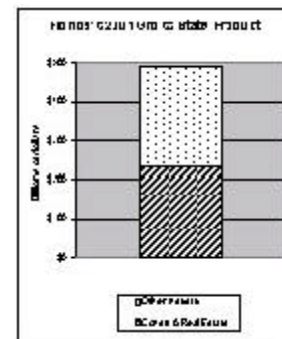
# Shimberg Center for Affordable Housing

contact: Dr. Robert Stroh stroh@ufl.edu

## Florida's Construction & Real Estate Industry

Did you ever wonder what the combined impact of the construction and real estate industry means to Florida's economy? A report prepared by Douglas White of the Shimberg Center for Affordable Housing addresses this question from the standpoint of both indirect and direct economic activity.

The indirect impact comes from the tax revenue generated. In 2001, the \$1.1 trillion in assessed value of real property had a taxable value of slightly more than \$794 billion and generated over \$13.6 billion in *ad valorem* tax revenue annually. The direct economic impact of the construction and real estate industry consisted fundamentally of real-estate-related transactions. In 2001 these transactions amounted to approximately \$77.9 billion annually. The industries combined to offer 1.3 million jobs with annual earnings of \$24.7 billion. Property owners also benefited through a return on their investment due to appreciation of approximately \$117.7 billion. The result is that construction and real estate contributed a total of \$233.9 billion in 2001 to Florida's total gross state product of \$491.5 billion. The full report is available on the Shimberg Center's web site at [www.shimberg.ufl.edu](http://www.shimberg.ufl.edu).



# Powell Center for Construction and the Environment

contact: Dr. Charles Kibert ckibert@ufl.edu

## Powell Center Hosts International Deconstruction Conference

Rinker Hall hosted its first ever conference in early May 2003 with a meeting of international experts in the field of building deconstruction and materials reuse. The 11<sup>th</sup> International Rinker Conference was the fourth of a series of international meetings of Task Group 39 of Conseil International du Batiment, an international construction research networking organization based in Rotterdam, The Netherlands. The meeting was co-organized by the Used Building Materials Association (UBMA), a relatively new trade organization representing both building deconstruction companies and used building materials suppliers. It was co-sponsored by a wide range of organizations such as the U.S. Environmental Protection Agency, the Florida Department of Environmental Protection, the U.S. Army Construction Research Engineering Laboratory, the USDA Forest Products



Laboratory, the City of Gainesville, Alachua County, the United Kingdom's Building Research Establishment, and the French-German Institute for Environmental Research. The 160 attendees came from 12 countries and from all over the U.S. In addition to the presentation of papers at the conference, the UBMA conducted several business meetings to prepare for furthering the goals of its membership. Additionally a variety of companies participated in an exhibition of their products and services. Particularly noteworthy were equipment demonstrated by Auburn Machinery, Inc. that could remove lead paint from lead painted wood removed from deconstructed older houses, thus making the recovery of often valuable wood materials economically viable and hand-held pneumatic nail remover by RECONNX Inc. The proceedings are available on the Powell Center website: [www.cce.ufl.edu](http://www.cce.ufl.edu)

### Conference Greening

The greening of the Rinker Conference focused on the goals of conserving natural resources, reducing pollution and waste streams, and supporting local interests. Some of the initiatives are described below.

#### Conserving natural resources

- All conference materials were printed on recycled paper
- Conference proceedings were published on a CD rather than on paper
- The conference hotel was chosen based on its close location to Rinker Hall, to allow for walking and minimize driving distance
- A list-serve was created to allow participants to coordinate arrival in Gainesville by car-pooling and sharing rides
- Name tags were recycled from previous conferences
- Dining equipment and utensils were reusable rather than disposable material

#### Reducing pollution and waste streams

- The conference was held in Rinker Hall, UF's first LEED certified green building. Rinker Hall features numerous energy and water conservation, indoor air quality, and aesthetic advances that make it the most environmentally sound location for the conference
- Recycling bins were available and clearly labeled. Materials were recycled concurrent with the University of Florida's ongoing recycling effort

#### Supporting local interests

- Leftover conference materials and bags will be donated to a local school supply exchange program for use in the community
- One day of the conference featured visits to local environmental leaders in construction and government

# Center for Collective Protection in the Built Environment

contact: Dr. Kevin Grosskopf kgro@ufl.edu

## Combating Bio-terrorism in Buildings: New Technologies for Decontamination

Biological agents have long been classified as weapons of mass destruction (WMD) for their lethality and their ability to persist, replicate and rapidly spread. Mass transit infrastructure and clusters of large buildings having central ventilation systems create the ideal environment for disease transmission and represent a critical vulnerability in our Nation's ability to protect its population centers from terrorist attack. In response, several departments at the University of Florida are combining expertise to develop new building technologies to address this challenge.

One such technology uses photocatalytic disinfection to destroy active microbes and hardened spores through a titanium dioxide catalyst (TiO<sub>2</sub>). This material produces hydroxyl radicals when introduced to certain wavelengths of light and moisture. When air from a return plenum passes through an area of ductwork retrofitted with this system, the latent moisture in the air combined with artificial light and TiO<sub>2</sub> materials create OH<sup>•</sup>, which has more than twice the disinfection power of chlorine. Once the air passes beyond the specific area in the chamber where the conditions were right to create OH<sup>•</sup>, the disinfecting hydroxyl radicals become unstable and harmlessly dissipate back into the catalyst material, thereby regenerating it. While briefly exposed to the OH<sup>•</sup>, all organic materials in the air are oxidized, including everyday "sick building" materials such as molds, fungi, allergens, and volatile organic compounds commonly associated with carpet and paint "off-gassing". Unlike conventional filtration and chemical disinfection, the contaminate is destroyed instead of captured and no harmful chemicals are generated or introduced into the building environment. Systems are being developed for both new construction and retrofit into existing HVAC systems.



*Bacillus subtilis* endospore before treatment



*Bacillus subtilis* endospore after treatment

### THE BUILDING CONSTRUCTION CAREER FAIR

October 7, 2003

9:30 AM – 1:30 PM

Stephen C. O'Connell Center

For more information, check out our website at:

[www.bcn.ufl.edu](http://www.bcn.ufl.edu) (click on Job Placement)

or contact the Job Placement Coordinator

(352) 273-1187





# Welcome to Rinker Hall

## Rinker Hall— a LEED Certified Silver Building

Rinker Hall is the first University of Florida building designed under the LEED™ program. It accommodates 450 students on 3 levels in 47,270 square feet of space. The program calls for a mix of classrooms, teaching labs, construction labs, administrative offices and student facilities. Some of the most significant sustainable features of Rinker Hall are detailed below:

### Design and Planning

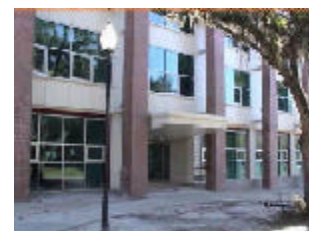
- The western-facing Newell façade has a three-story brick shade wall designed to protect the building from solar heat gain and provide thermal updrafts, while allowing penetration of daylight and views. The brick also provides a contextual response to the UF fabric.
- Exposed circulation structural and mechanical systems assist building construction students in “reading” the building as a whole and understanding how all systems work together.
- Students participated in workshops and also assisted the design team in exploring material choices through a regional material mapping exercise.

### Site and Ecosystems

- The project sits on the site of a former parking lot and was situated to protect existing trees. While the site could have accommodated the program in two stories, the design team designed a three-story building to minimize the site footprint and allow for more open space.
- A true solar north/south building orientation optimizes available daylight for deep daylighting.
- One outdoor area was constructed with compacted gravel to allow groundwater systems to recharge, while providing durable work surfaces for gatherings and student projects.
- The building is in close proximity to several University Bus routes, providing building users convenient access to mass-transit. Bicycle parking and shower facilities are provided for bicyclists.

### Energy Systems:

- DOE 2.2 computer modeling of building energy systems and optimization of energy measures was ongoing through construction. Analysis results indicate a 47% energy savings over a comparable baseline building (according to ASHRAE 90.1, 1999) will be achieved.
- From the central stair and atrium to classrooms with large exterior windows, shaped ceiling geometries and deep-daylighting louvers, the building is dramatically illuminated by daylight.
- Energy conserving measures incorporated include west and south building shade walls, high performance envelope, lighting controls, high albedo roof and energy recovery ventilation.



- The high performance envelope includes a metal panel vented rainscreen system, an Air Infiltration Barrier, two separate insulative layers of 6-inch cellulose insulation and 1-1/2-inch rigid insulation, thermally broken aluminum storefront and high performance glazing

**Water, Wastewater, Stormwater**

- Roof captured stormwater is collected and stored in a building catchment tank. This water is then utilized for flushing toilets.
- Waterless urinals are installed on two floors and remaining fixtures require 20% less water than mandated by the requirements of the Energy Policy Act of 1992. Each of the waterless urinals saves 40,000 gallons of water annually.
- Site stormwater flowing from non-pervious surfaces is captured and directed to the campus stormwater system, which incorporates full reclamation for irrigation.
- Site sewerage is collected for tertiary treatment in a campus-wide system and then re-utilized for irrigation.



**Materials Selection and Construction Waste Reduction**

- Materials were reviewed for proximity in manufacturing, recycled content, renewable resource content, sustainable harvesting, longevity, maintenance requirements, chemical composition and ability to be recycled or reused at the end of a useful life.
- Materials with recycled content include structural and non-structural steel products, aluminum wall panels and glazing systems, railings, cellulose wall insulation, bathroom partitions, drywall, concrete with fly ash, vitreous tile and ceiling tiles, among others.
- Materials with renewable content include wheat board and linoleum.
- Wood materials were specified to originate from “certified,” sustainably managed forests as approved by Forest Certification Systems.
- Over 50% of construction waste materials were recycled through implementation of a Waste Management Plan.

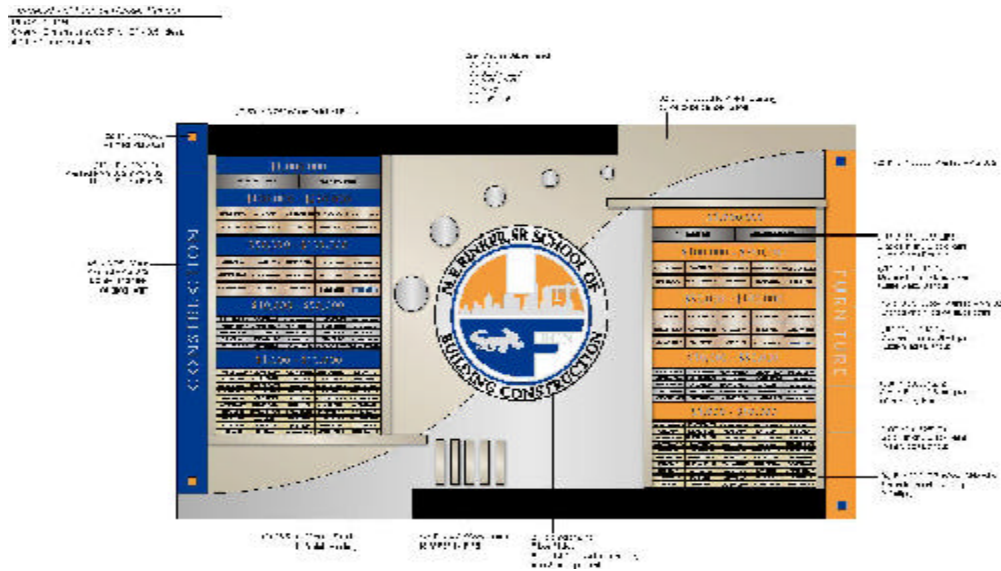


**Building Health**

- The sloped ceilings and louvers reflect light from exterior openings, and photo-sensors optimize the blend of artificial and natural light. Sunlight and glare, as well as potential solar gain, are controlled with architectural shading devices and wave-length selective materials at all exposures.
- More than 90% of the building’s occupied areas have outdoor views and operable windows.
- Potential indoor air contamination has been reduced by implementing a Fundamental Building Commissioning Plan and Construction IAQ Plan to ensure proper component construction, installation and initial operation, separate exhaust of sources of potential air contamination, and an extensive review of materials and specification of environmentally preferable products and finishes reducing sources of VOC’s and formaldehydes.
- Entry mats at building entrances and filters on conditioned air reduce particulate entry.



# Rinker Hall Donor Wall



The Rinker Hall Donor Wall shown above will be installed in September 2003 to honor all donors who have contributed \$1,000 or more to the Construction or Furniture Funds. The names in each category are listed in descending order based on the amount contributed.

The following are listed as donors to the Construction Fund:

- |   |   |  |
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## OPPORTUNITIES FOR NAMED SPONSORSHIPS OF FURNISHING AND EQUIPMENT IN RINKER HALL

Dear Alumni and Friends:  
Thanks to your generosity, we have completed construction of Rinker Hall. With a new building comes the need to purchase furnishings and equipment. To the right, is a list of remaining needed furnishings and equipment for Rinker Hall. Upon contribution of the targeted amount, your nameplate as a donor will be permanently displayed in the room.

Room #	Room Name	Furniture & Equipment Cost
130	Soils & Geoc. Lab	\$25,000
140	Structures Studio	\$20,000
206	Computer Lab	\$35,000
208	Information Tech.	\$32,000
202	Distance Education Studio	\$10,000
307	Associate Director (Cox)	\$15,000
309	Faculty Office (Wetherington)	\$6,500
314	Faculty Office (Cook)	\$6,500
315	Faculty Office (Oppenheim)	\$6,500
316	Faculty Office (Grosskopf)	\$6,500
319	Faculty Office (Visitor)	\$6,500
321	Faculty Office (Flood)	\$6,500
322	Faculty Office (Fiskel)	\$6,500
323	Faculty Office (Visitor)	\$6,500
325	Faculty Office (Visitor)	\$6,500
327	Faculty Office (Muszynski)	\$6,500
329	Faculty Office (Tanah)	\$6,500
331	Faculty Office (Shankos)	\$6,500
332	Faculty Office (Dukes)	\$6,500
328	Graduate Studio	\$11,000
326	Graduate Studio	\$7,000
324	Graduate Studio	\$7,000
320	Graduate Studio	\$7,000
312	Faculty Work Room	\$8,000
305	Open Office	\$40,000
303	Conference Room	\$35,000
302	Director Grad./D.E. (Issa)	\$15,000
301A	Career Office	\$16,000
301	Admin./Registrar (Sallio)	\$10,000
344	E-Journal Editor	\$12,500
342	P.C.C.E. Director (Kibret)	\$12,500
340	C.C.S.L.C. (Hinz)	\$18,000
341	P.C.C.E. (Newport/Guy)	\$20,000
338	C.P.R. (O'Brien)	\$18,000
336	Faculty Office (Browe)	\$18,000
TOTAL AMOUNT		\$496,500

### Available Event Sponsorships 2003-2004

- Graduation Dinner (Fall 2003)
- Graduation Dinner (Spring 2004)
- Welcome Reception (Spring 2004)
- Graduate Student Reception (Fall 2003)
- Graduate Student Reception (Spring 2004)
- BCN Newsletter (Spring 2004)

### **Special Thanks to Past Event Sponsors**

<b>Rinker School Event Name</b>	<b>Sponsor</b>
Construction Management Team (1998 - present)	Centex-Rodgers
Design-Build Team (2002-present)	Haskel
Graduation Dinner (Fall 1999)	Beck Group
Graduation Dinner (Fall 2000)	Brasfield & Gorrie
Graduation Dinner (Spring 2001)	Hensel Phelps
Welcome Reception/Dinner (Spring 2001)	Weitz Company
Welcome Reception/Dinner (Fall 2001)	Brasfield & Gorrie
Welcome Reception/Dinner (Spring 2002)	Fluor Corp
Welcome Reception/Dinner (Fall 2002)	Turner Construction
Welcome Reception/Dinner (Spring 2003)	Weitz Company
Welcome Reception/Dinner (Fall 2003)	Fluor Corp.
School Bar-B-Que (March 30, 2001)	Brasfield & Gorrie
BCN Newsletter (Fall 2001)	Hardin Construction
BCN Newsletter (Spring 2002)	Hardin Construction
BCN Newsletter (Fall 2002)	Hardin/ Prof. Gunby
BCN Newsletter (Fall 2003)	James A. Cummings
Graduate Student Reception (Spring 2000)	Ajax Construction
Plaque and Trophies (2003-2004)	Charles Perry

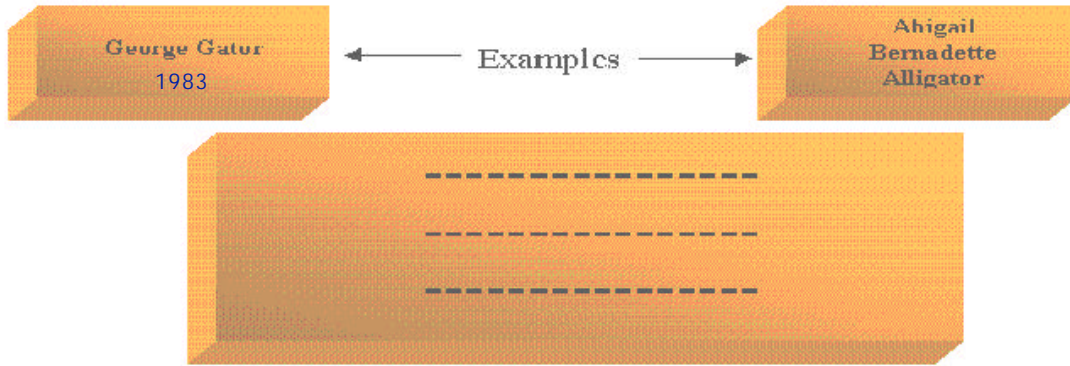
If you need additional information please contact Dr. Abdol Chini ([chini@ufl.edu](mailto:chini@ufl.edu)); Dr. Robert Cox ([robcox@ufl.edu](mailto:robcox@ufl.edu)); Dr. Raymond Issa ([raymond-issa@ufl.edu](mailto:raymond-issa@ufl.edu)) or call 352-273-1150.



## Help Build the Future with the BCN Brick Paver Campaign!

Want to have your name in Rinker Hall, the new 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.



**Please make checks payable to U.F. Foundation. Do NOT send cash.**

Send checks to: University of Florida  
M.E. Rinker, Sr. School of Building Construction  
PO Box 115703  
Gainesville, FL 32611

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_ Phone \_\_\_\_\_

Number of Bricks Ordered: \_\_\_\_\_ Total Amount Enclosed: \_\_\_\_\_

# BCNSCHOLARSHIPS

## Scholarships Awarded for 2003-04

### **Clark Construction Group, Inc.**

\$1,500 is awarded to: David Connolly, Lucas Morris,  
Darby Holtzhower and Brent Snyder

### **James A. Cummings, Inc. Scholarship**

\$2,000 is awarded to: Bryan Courchesne, Trent Thorton,  
Matthew Kiziah and Joseph Winke

### **Retail Contractors Association Scholarship**

\$1,500 is awarded to: Annemarie Sowder

### **Rinker Materials Corporation**

\$1,000 is awarded to: Lucy Acquaye, Brent Anderson,  
Uluc Bayer, Sailee Bondre, Ryan Courson, Aiyin Jiang,  
Wei Shi, Iulian Trofin, Kivanc Turkoglu and Ravi  
Shanker Tulva

### **Laborers International Union of North America Arthur A. Coia & R.P. "Bud" Vinall Scholarship**

Awarded to: Caesar AbiShdid, Elie Andary, Bin Cheng,  
Mark Danso-Amoake, Hazar Dib and Haiyan Xie.

### **Jim Doherty Memorial Scholarship**

\$2,000 is awarded to: Timothy Stanley

### **Frye General Contracting Scholarship**

\$1,000 awarded to: Keith Munson and Lewis Van Alstyne

### **Gainesville Home Builders Association**

\$1,400 is awarded to: Kris McNally

### **National Association of Homebuilders**

\$1,400 is awarded to: Ramiro Montes De Oca

### **H.H. Block Scholarship**

\$1,000 is awarded to: Nathan Carr

### **Central Florida Builders Exchange**

Foote Steele	Robert Berg	\$1,000
Hubbard Construction	Joel Kaplan	\$1,000
Jack Jennings & Sons	Jacob Robinson	\$2,000
Tri-City Electrical	Gregory Grooms	\$1,000
R. C. Stevens Construction	Michael Thomas	\$1,000
Walker & Company	Daniel Eder	\$2,000
Central Florida Builders Exchange	Todd M. Brock	\$1,000

### **David E. Pitts Memorial Scholarship Fund, Inc.**

\$1,000 is awarded to: Casey Lewis

### **Professor Anthony Section Memorial Scholarship**

\$1,800 awarded to: Marcelo Marin

### **Ron Tadrowski Memorial Scholarship**

\$2,000 is awarded to: Kellie Marie Kirby

### **H. Duff Williamson Award for Excellence in Estimating**

\$100 is awarded to: Wyatt Woolverton

### **Fluor Scholarship**

\$1,000 is awarded to: Scott Hayes and Eric Huston

### **The Ida Rogero-Childre Fellowship/ Assistantship in Affordable Housing**

Awarded to: Bryan Williams

### **James H. Shimberg Endowments**

Awarded to: Virginia Battista, Charles Bulks, Alan  
Gremillion, Jim Martinez, Diep Nguyen, Marc Smith, Marta  
Strambi, Robert Stroh and Bryan Williams

## 2003 ASC/AGC NATIONAL DESIGN BUILD TEAM, ALWAYS WINNERS

By Dennis Fukai, Faculty Advisor for Design Build Team

It was about 3 AM somewhere in Northern Louisiana when it occurred to me how much I had learned from the young professionals on the 2003 AGC/ASC National, University of Florida Design Build Team. And how lucky I was to know them.

We left Dallas after huge thunderstorms cleared the area at about 11 PM Kellie Kirby (preconstruction manager) and Carolina Lara (architect) were trailing off on an almost four hour non stop succession of life stories and brainstorming in a promise to keep me awake after what had to be a grueling week of training and competition.

Matt Kiziah (project director) was snoring loudly in the backseat of the BCN van. He was scheduled to help me drive the 4 – 9am shift south from Shreveport. Paul Darrow (construction manager) had called us near Longview from Los Angeles where he was trying to unwind in preparation for a job interview in the morning.

Lewis Van Alstyne III (project superintendent), aka L3, was at the beginning of what turned out to be an incredible 54 hours of planes and airport lounges trying to get back to Australia where he was studying on a construction exchange program.

Fielding this team at the Nationals cost almost \$5000 and thanks to support from team members from the 2002 National Design-Build team (also regional winners), the college, construction and architecture departments, and Tim Good and the Gators at The Haskell Company, the BCN team made a flawless written and oral presentation.

All five spoke professionally of a collaborative, owner oriented approach to project design and construction. They modeled multiple ideas and approaches and diagrammed a plan for total integration, open communications, and mutual responsibilities. They demonstrated the meaning of diversity and the equal exchange of ideas in their composure, smiles, and eye contact — regardless of race, gender, or individual motivations.

Pie in the sky to design-build judges that did not include a single design-builder, owner, or designer. But it didn't matter to the team because they still knew they had it right. They understood the deep potential of pure design-build and the pit-falls and barriers it raised to an entrenched old-school of hard working professionals. They were primed and ready for the real-world.

As we headed down the Interstate in the predawn darkness, not a headlight in sight, I knew I was lucky to be in the company of these young men and women and will always remember how much hope they give to the future of our industry.



L to R: Carolina Lara, Matt Kiziah, Kellie Kirby, Paul Darrow, Lewis Van Alstyne III

## ABC Student Chapters Recognized for Excellence

The University of Florida's ABC Student Chapter was recognized for excellence during the March 15 national convention. Each year, ABC recognizes three student chapter programs for their contributions in the areas of professional development, community service, industry promotion, interaction with the local ABC chapter, and innovation in programming. The University of Florida, sponsored by the ABC Florida Gulf Coast Chapter, received the student chapter award of honor. As student chapter president, Jamie Pratt will assume the title of 2003 ABC national student chapter secretary.

Article from the ABC website newslite website  
<http://www.abc.org/newslite/march282003/march28.html>



From left, Jamie Pratt, University of Florida; Pete Schmolli, accepting on behalf of the University of Wisconsin Student Chapter; Matt Irwin, the University of Central Florida; and ABC National Chairman Edward L. Rispono

# Germany Exchange Program

contact: Dr. Jimmie Hinze hinze@ufl.edu

The M.E. Rinker, Sr. School of Building Construction and the Fachhochschule Lippe (College of Applied Sciences in Detmold, Germany) have now completed the fifth year of their exchange agreement. The students were accompanied by Dr. Hinze as in other years. In addition, Dr. Tenah of the Rinker School and a first time visitor to Germany also participated in this year's activities. These activities included visits to a tunnel project, a facility solely supported by electricity generated on site through solar cells and methane generators, tours of reconstructed vintage structures, residential construction projects, the restoration of a palace in Dresden, and many other interesting projects. One of the most interesting projects was the Berlin train station that will accommodate an estimated 250,000 passengers when completed in a couple of years. Another fascinating project was a visit to the reconstruction of the Frauenkirche (Church

of Our Lady), an impressive church that was reduced to rubble after the fire bombing of Dresden in

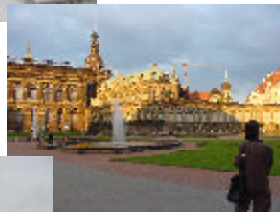
February of 1945. The students also got a chance to see some of the remodeling work that is being done on the Berlin Olympic Stadium, the stadium made famous by Jesse Owens.

While many interesting construction projects were included in the program, points of historical interest were also visited. For example, the students

traveled to Bergen Belsen (concentration camp where Anne Frank died), Checkpoint Charlie, the Reichstag, the Brandenburg Gate, the memorial for the book *Burning in Berlin*, the site of the Potsdam Treaty, the palace of Frederick the Great (Sanssouci), the school of the Bauhaus in

Dessau and the St. Nicholas Church in Leipzig where Bach played the organ for 27 years.

As is customary in the exchange program, German students will visit our campus this fall. Seven German students have already been identified who will be spending this fall semester on the UF campus.



## Trade and the Industry

The M.E. Rinker, Sr. School of Building Construction provided a classroom in Rinker Hall for a two-day continuing education course presented by the Florida Concrete and Products Association on May 29 and 30. Among the instructors was Mr. Don Beers, P.E., engineering services manager for Rinker Materials.

On Saturday the 31<sup>st</sup> of May the School co-sponsored the southeast regional masonry apprentice contest at U.F.'s Beard track stadium. First, second, and third year masonry apprentices from five southern states competed. The winners of each class advanced to international competition in Las Vegas, where they will compete with apprentices from all regions of the U.S. and Canada. Mr. Billy Brame, BCN Professor Emeritus Bill Eppes, and Architecture Professor Karl Thorne judged the aesthetics of the work.

In February, Mr. Byron Light of the Southern Brick Institute gave a very interesting presentation to Leon Wetherington's Techniques I class. After the lecture Mr. Light took the class to the Rinker Hall yard and demonstrated proper brick laying techniques and allowed each of the students to try their hand at laying brick. Working in groups of three or four the students attempted to build small, simple brick structures. The team whose work Mr. Light judged best all received T-shirts.





## 1954

**Charles D. Raines, PE, BBC 1954**, Colonel, USAF (Retired) joined Kitchell Corporation, Phoenix, Arizona, in 1990 as a Senior Project Manager. Currently working as a Construction Manager with Kitchell CEM. Registered as a Civil Engineer in Arizona and California.

## 1974

**Kim Haynes, BSBC '74, MSBC '77**, is currently the Business Manager of Operations for Oglethorpe Power Corp., the largest Generation & Transmission Electric Cooperative in the country. He worked for Oglethorpe for 15 years, initially serving in a Project Controls Manager capacity during construction of a \$900 million pumped storage hydroelectric powerplant completed in North Georgia in 1995. Prior to Oglethorpe, he led project controls teams with major A/E and EPC firms successfully completing projects such as paper mills, coal-fired power plants, and many water/wastewater facilities. He also served in field engineering roles, from initial site layout to commissioning/testing of complex process piping and instrumentation systems.

His current position requires a fair amount of presentations in front of Boards, Executive Mgmt., and others. He credits **Dr. Brisbane Brown**, then graduate coordinator at the school, with helping him build his communications skills during his graduate studies. He states that the value of being a good communicator can't be stressed enough. He encourages all BCN students to polish their presentation and communication skills, as it is one of the essential keys to success.

## 1980

**Kurt Coddling, BSBC 1980**, is the President of Town & Country Excavation Services, Inc. located in Houston, TX and Dallas, TX. The company specializes in large retail projects and has performed sitework on many Home Depot, Super Target and Wal-Mart Supercenters located throughout the southwestern United States. The company currently has projects underway in Texas, Arkansas, and Oklahoma. He and his wife, Amanda, live in Highland Village, TX with their 7 year old son, Zachary.

## 1993

**Robert Knight, MBC 1993**, was named the Supervisor of the Facilities Department for the Marion County Public School System in March, 2002. He was formerly a Senior Project Manager for Edwards Construction services, Inc. in Ocala, FL. The Facilities Department is responsible for all new design and construction for the school system. Prior to Edwards, he was the Architectural Services Specialist for the Polk County Public School System, where he was the primary architectural designer of all in-house projects. Robert and his wife, Leslie, have been married eight years and have a 2.5 year old son, Reagan.

## 1986

**Rick Hope, BSBC 1989**, President of the Hope Company, was named the Treasurer Coast's Builder of the Year at the annual year-end awards banquet of the Treasure Coast Builders Association. The Treasure Coast Builders Association serves Indian River, St. Lucie, and Martin Counties, and is affiliated with the Florida Homes Builder's Association and the National Association of Home Builders. The Builder of the Year award is the highest honor awarded each year to the builder who has demonstrated the highest standards in quality, integrity, professionalism, and service.

Rick Founded the Hope Company in 1998 and provides construction services for the high-end new home and renovation market, and is also experience in large and small commercial projects. He has been happily married for 15 years to Karen, also a Gator, and together they have four beautiful future Gators.

## 1987

McCrary Construction Co., LLC of Columbia and Mr. Pleasant, South Carolina and Savannah, Georgia has announced the appointment of **Allen B. Amsler, BSBC 1987**, as Executive Vice President and Chief Operations Officer, joined McCrary following graduation and has held various production and administrative positions throughout the company. Projects constructed under his direction include the Center for Cancer Treatment and Research at Palmetto Health – Richland, Aiken Mall, Winthrop University's John Hall Performing Arts Center, Blue Cross

Blue Shield of South Carolina and various retail centers throughout the southeast.

Mr. Amsler Serves on the AIA – AGC Joint Cooperative Committee of the Carolinas Branch AGC and is Past Chairman of the Carolinas AGC Midlands Chapter. In addition, he is also active in the Columbia Contractors Association. Previously, Mr. Amsler was Vice President, Construction of McCrary.

## 1996

**Ryan McLellan, BSBC 1996** and his wife, Kelly Postle McLellan MSHE 98 currently live in the mountains of Asheville North Carolina, where he owns Copperwood Builders, Inc, a custom home building company. They have one son, 2.5 year old Ryley Gray McLellan. He is currently the Vice President of the Asheville Home Builders Association and serves as Chairperson of the Education Committee that provides scholarships for students in Western North Carolina wanting to pursue a degree in Construction Management or a construction-related field.

**Brian White, BSBC 1996**, has recently been appointed to Chief Estimator for BCH Mechanical, Inc. in Largo, FL. After working in homebuilding in both the South Florida and Tampa areas from 1996-98 he joined BCH as an Assistant Project Manager in March of 1998. In 1999, he became part of the Estimating/Sales team working under then-Chief Estimator Mike Foley (BSBC 1992). Upon Mike's appointment to General Manager of BCH, he received an offer to become Chief Estimator this past December. He lives in St. Petersburg with his girlfriend (and UF alum) Carrie Tucker.

BCH Mechanical, Inc. is one of the largest mechanical contractors in the Southeast U.S. This year's goal of \$41-million is up from last year's \$30-million volume. They have fledgling divisions in Orlando and South Florida as well as affiliate companies who perform sheetmetal and plumbing work.

**Mike Foley** is also a fellow BCN alumni who was recently promoted to General Manager of our company.

**INDUSTRY NEWS**

**J. Raymond Construction Corp.**

**Punta Gorda Crossings**

J. Raymond Construction Corp. has recently completed construction of a 44,000 square foot Publix store and 23,000 sq. ft. of retail space at Punta Gorda Crossings in Punta Gorda, Florida for BoulderVenture / BGI, Ltd.

**Retail A Boyd Market**

J. Raymond Construction Corp. has recently completed retail construction in Ocala, Florida for Ocala Properties.

The project consisted of 2 separate buildings totaling 13,000 sq. ft. that included shell construction for a Crispers restaurant. Contract amount was \$650,000.

**Mathews Construction**

Mathews Construction, one of Tampa's oldest and largest, locally owned general contracting firms, has recently been named National Small Business of the Year as part of a nationwide contest sponsored by Aetna Insurance. David Oellerich, president of Mathews Construction, is a graduate from the University of Florida with a bachelor of science in Building Construction in 1979. Each small business nominated was evaluated based on exemplary community involvement, a unique start-up story, overcoming significant business obstacles and outstanding earnings growth and profitability. Recent projects by Mathews Construction include the renovation of Sacred Heart Church in downtown Tampa and the construction of Academy Preparatory School in Ybor City.



David Oellerich, president of Mathews Construction, receives award for the National Small Business of the Year Award

**APPOINTMENTS**

**Centex Rooney Construction Co., Inc.**

**Mike Carlin**, 35, joined Centex Rooney after graduating from the University of Florida in 1989 with a degree in building construction. He has served as estimator, project engineer, project manager, superintendent, and senior project manager. Several of the noteworthy projects Mike has associated with include the 20,000 seat Office Depot Center (formerly the National Car Rental Center), the 1,350-room Lucayan Plaza Beach Resort, the Atlantis Resort & Casino, and the New Orleans Harrah's Casino. Mike is currently managing multiple renovation projects for Boca Resorts, Inc. in Naples and Ft. Lauderdale, Fla.

**Sean DeMartino**, 33, joined Centex Rooney in 1993 as a project engineer, after graduating from the University of Florida with a B.S. in building construction. He quickly rose to senior project manager responsible for significant projects and areas of construction on several Disney resorts, including the recently completed 1.2-million-square-foot, 2,880-room Disney Pop Century Resort; Disney's 5,760-room, three-phase All Star Resort; and 2,000-room Coronado Springs Resort. Sean is currently managing multiple residential resort assignments for Arvida, a division of St. Joe, in the WaterSound resort located in northwest Florida.

**Adam Pearlman**, 34, joined Centex Rooney in 1993. He graduated from the University of Florida in 1991 with a BS in Building Construction. Adam has worked in Central Florida for most of his nine years with the company. He has served as project engineer, project manager and senior project manager on resort and corrections projects. Notable projects include Disney's 2,000-room Coronado Springs Resort and Convention Center, Disney's 5,760-room All Star resort, and the latest 1,310-room Disney's Animal Kingdom Lodge Resort. Adam is currently managing the construction of three 1,000-bed prison complexes for the state of North Carolina.



**Let us Know!!!**

Tell us about any job appointments, announcements, contact information, etc.

E-mail Joyce de Guzman at [deguzman@ufl.edu](mailto:deguzman@ufl.edu)

Or Write:  
304 Rinker Hall  
PO Box 115703  
Gainesville, FL 32611

# Thank you to all who donated to the M.E. Rinker, Sr. School of Building Construction General Fund (7/16/02-6/24/03)

**1948**

James R. Boyer, Sr.

**1951**

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**1953**

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Paul R. Dawkins

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**1959**

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**1964**

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**1965**

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Arthur B. Stackpole, Sr

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Craig E. Wilson

**1973**

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**1976**

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Mark C. Hamilton  
Warren H. Keister  
James M. Owenby  
Daniel Stack  
James K. Williams

**1977**

Thomas J. Hanley  
Douglas H. Jones

**1978**

Alan M. Albert  
Barry P. Bullard  
Michael L. Carter

**1979**

Robert E. Lacey  
Alan R. Oates  
Robert G. Sample  
John B. Wilson

**1980**

Brady L. Binde  
Jorge L. Costas  
Michael L. Large  
Thomas O. Martin  
John E. McCary  
Francis X. Wilson

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Paul S. Goodwin  
Darrall R. Henderson  
Gregory P. Kniseley  
John P. Rock  
Jon M. Wainwright

**1982**

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Brian K. O'Brien

**1983**

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John B. Debitetto  
John D. Gwynn  
Steven M. Kelton  
Alan C. Miller  
David J. Schmit  
Russell H. Willmer

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Donald P. Brockmiller  
Favio M. Fasanelli  
Scott A. Martin

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Ralph R. Payne  
Frank R. Trabold

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Bruce C. Gilbert  
Mikell A. McElroy  
Kevin G. McMichael

**1987**

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Marcos Maya  
Russell W. Pratt, Jr.

**1989**

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Kimberly D. Johnson  
Richard B. Rogers, Jr.  
Wayne E. Wadsworth

**1990**

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James C. Flayler  
Arlan D. Schulze  
Ronald M. Smith, Jr.  
Paul M. Westberry

**1991**

Jason R. Ables  
Stephen R. Oakes

**1992**

William D. Crowley  
John E. Gessner  
Stephanie L. Lobner  
Mark D. Vandersea  
Daniel E. Whiteman  
Gregory M. Wikan  
Stephen P. Williams

**1993**

Ronald P. Cutler  
John R. Lawson  
Scott T. Vincent

**1995**

Anthony W. Della-Porta  
Darren M. Ross  
William W. Stevens

**1996**

Christine M. Bell  
William F. Etheredge  
Charles E. Joseph  
Scott R. Moss  
Rob Wubbenhorst  
Kalika G. Sinha

**1997**

Roger K. T. Bilton  
Jennifer A. Fritz  
Steven C. Higgs  
Anthony W. Ingrassia  
Brian J. Natwick  
Gregory D. Edebohls

**1999**

Natale Grande  
Paula J. Hooker  
Alterraon Phillips  
Ildefonso Robles  
Jeremy M. N. Saum  
Charles L. Wegner

**2000**

Christopher C. Brown  
Timothy A. Dornblaser  
Darren M. Nash

**2001**

Danny Grant, Jr.  
Brian J. Hayes

**Other**

David A. Bockian  
Troy D. Buhs  
Charles H. Denny III  
Anil D. Deshpande  
Bruce A. Frost  
Allen L. Hand  
Gene W. Hemp  
Frank M. Hubbard  
Asa C. Kelley  
Daniel J. Luby  
William G. Lumpkin, Jr.  
Jack W. Martin  
John C. Mouton  
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Chia Yi-Wu  
AGC Student Chapter  
ARCO Design/Build Construction  
Associated General Contractors  
Azzarelli Builders, Inc.  
Bechtel Foundation  
Brumby Homes LLC c/o W. DuVall Brumby  
Centex Rodgers, Inc. c/o Kevin Ream  
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Childre Homes, Inc.  
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Halliburton Foundation  
Harris Foundation  
M.M. Parrish Construction Co., Inc.  
Perry Parrish, Inc. c/o Charles R. Perry  
The Morgan Company  
Tritt & Associates, P.A. c/o Arnold D. Tritt, Jr.

## Vincent G. Burkhardt Receives Distinguished Alumnus Award

On April 16, Vincent G. Burkhardt received the 2003 University of Florida's M.E. Rinker, Sr. School of Building Construction Distinguished Alumnus Award. He received this award during the College of Design, Construction and Planning's 25<sup>th</sup> Annual Award Ceremony.

In 1972, Mr. Burkhardt received his Bachelor of Science in Building Construction. He is the founding president and owner of Burkhardt Construction, Inc., which was established in 1975. His construction company has built and remodeled residences, apartment complexes, government buildings, office interiors, commercial projects, site work and street scape projects.

In addition to outstanding contributions to the industry, Mr. Burkhardt is a valuable resource to the community. He is an active member in professional organizations and holds leadership positions as National Director of Associated General Contractors of America, Chairman Florida Associated General Contractor's Council, Chairman of Construction Industry Management Council and serves on other various committees. Furthermore, among many groups, he is a member of the Downtown Action Committee of West Palm Beach, Downtown Development Authority of West Palm Beach, and Lake Worth Pioneer's Association. Mr. Burkhardt is the vice-chairman of the BCN Advisory Council Executive Committee.



From L to R: Dr. Abdol Chini, Interim Director of Rinker School, Vincent Burkhardt, Dr. Jay M. Stein, Dean of the College of Design, Construction and Planning

## Jim Kalemeris Donates Services to the Community

Kalemeris Construction Inc., founder Jim Kalemeris of Tampa, BCN 1951, built a 2250 square foot strength and condition room, and coaches conference center for Hillsborough High School Football Field House at no cost to the school. The construction job is worth about \$200,000. The motivation for this construction was the coach at Chicago's Amundsen High School, Louis Jorndt.

Mr. Kalemeris states:

"He made me a better football player than I thought I could be, by always challenging me. When I was his assistant coach after I got out of the army, he challenged me to seek a profession that could be difficult and rewarding. I always admired the magnificent buildings in Chicago, and decided to be part of it. However, events make me part of Tampa Bay's Construction. I had a great career in a difficult and rewarding profession."



From L to R: Football coach Earl Garcia, Principle Tom Rao, George Jorndt, Tampa Mayor Dick Greco, Jim Kalemeris, Joyce Kalemeris, County Superintendant Earl Lennard, Dan Jorndt (CEO of Walgreens) and Tom Jorndt

## WHAT DO YOU THINK?

**What do think about making Orange & Blueprints exclusively available on the Internet?** We are considering slowly phasing into an electronic newsletter and no longer mailing hard copies. For those who request the electronic publication, we will send you an e-mail announcing the updated newsletter on our website. **PLEASE** E-mail me at [deguzman@dcp.ufl.edu](mailto:deguzman@dcp.ufl.edu) to let me know if you would prefer a hard copy or an e-mail announcement.



## BCN receives major gift from Steve and Carol Powell

Article based on a Miami Herald story posted on Tuesday, December 3, 2002 from the Associated Press.

Steve and Carol Powell provided a \$3.2 million gift to the University of Florida's Center for Construction and Environment. The gift will fund additional staff, research and workshops. In addition, the gift will endow the director's position for the center.

The center will be renamed the Powell Center for the Construction and Environment. The center, founded in 1991, is dedicated to research focused on resolution of environmental problems originated from planning and construction. They have also published handbooks and guides, which include environmentally sound building codes for residential construction and specifications for construction and demolition waste management.

"We have been very impressed with the innovative research conducted at the UF center and its impact on setting building standards nationally," Steve Powell said in a statement.



Steve Powell

### FOUR BENEFITS OF CHARITABLE GIFT ANNUITIES

Many alumni and friends of the University of Florida have long recognized the benefits of making a gift to the university by means of a charitable gift annuity. At the end of March 2003, the University of Florida Foundation, Inc.'s gift annuity pool held more than twenty million dollars. The individuals transferring these monies realized they could make a significant gift for future use by the university and retain life income payments that had multiple benefits.

#### Benefit #1 – Unlimited contributions

Federal law typically limits the amount you can contribute to tax-deferred retirement programs such as IRAs, 403(b), or 401(k) plans. Federal law does not limit the amount you may place into a charitable gift annuity. This means you may build as large a retirement plan as you wish.

#### Benefit #2 – Charitable deduction

You will receive a charitable contribution deduction for a portion of the assets (cash or publicly listed stocks and bonds) placed in the charitable gift annuity. This deduction helps offset taxes due on current income earned.

#### Benefit #3 – Tax advantaged income

If you fund the charitable gift annuity with cash, part of each payment to you will be considered return of principal and, as such, will not be subject to income tax. The remainder of the income will be ordinary income to you.

If you fund the gift annuity with appreciated assets, a portion of the capital gain will be completely forgiven and you may be eligible to prorate the remaining capital gains over your life expectancy. This gift annuity may also have tax-free income (due to return of principal) and ordinary income.

#### Benefit #4 – Payments you cannot outlive

The charitable gift annuity pays you a fixed dollar annual amount as long as you live. By doing a charitable gift annuity you are transferring the investment risk to the University of Florida Foundation, Inc. Regardless of how long you live, the Foundation is obligated to make payment to you.

If you would like to learn more, contact:

Marcia O'D. Bourdon, Director of Development  
352-392-4836 ext. 314 or [mbourdon@dcp.ufl.edu](mailto:mbourdon@dcp.ufl.edu)



# Faculty news and appointments

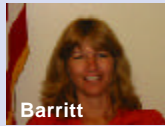
## Promotions:

**Dr. Larry Muszynski** was awarded tenure and was promoted from assistant professor to associate professor.



**Dr. Abdol Chini** was promoted from associate professor to full professor.

**Patty Barritt** was promoted from program assistant to office manager.



## Appointments and Awards:

**Dr. Abdol Chini** was the recipient of the 2003 University of Florida Foundation Research Professor.

**Prof. Michael Cook** was elected vice-president for the Professional Construction Estimators Association (PCEA) Orlando Chapter. The PCEA is a non-profit organization that is dedicated to promote professionalism, encourage high ethical standards and education in the construction industry. The PCEA offers great networking opportunities, awareness of professional trends, sharing "lessons learned", exposure to industry leaders, professional development, multi-disciplinary educational programs, access to the latest industry news, a National Membership Directory, and finally an annual Convention that rotates each year to different Chapter cities. Additionally, PCEA is involved in the promotion of construction education for the betterment of the industry.



**Dr. Leon Wetherington** received a Superior Accomplishment Award. Dr. Wetherington teaches undergraduate courses, he is one of the lower division advisors, and he is the faculty advisor for Sigma Lambda Chi Student Honorary Society.



L to R: Provost David Colburn, Dr. Leon Wetherington, Sallie Schattner

Over the past year, Dr. Wetherington instituted an 8-hour service requirement for each building construction student in his class. He has assisted in projects for Habitat for Humanity, building ramps for handicapped accesses, home repair for the elderly, playground construction, and organized community service repair work for substandard housing in the Gainesville area. In addition, He has supervised students working on community service projects on weekends. He is also the Chair of the Undergraduate Program Committee which oversees all aspects of the curriculum, admissions, and student conduct.

## Meet our new BCN Interim Director



Abdol Chini is a full professor who came to UF in 1994 from the University of Maryland Eastern Shore where he taught construction management courses for four years. He previously worked as quality control manager and project manager for several construction projects in Washington DC metropolitan area. He received his

Ph.D. in Structural Engineering in 1986 from the University of Maryland at College Park, a Master's degree in Structural Engineering in 1983 from the George Washington University, and a Bachelor of Science degree in Civil Engineering in 1971 from Tehran University. He is a registered professional engineer.

Abdol Chini has taught structures, estimating, and scheduling courses at UF. He has established a good reputation among the students as a valued instructor, as exemplified by the teaching awards received in 1996 and 1998 from Who's Who Among America's teachers, and the University of Florida 1998-99 TIP Award.

In addition to teaching he has been heavily involved in research activities. He has performed extensive research on the reuse and recycling of construction materials including recycled concrete aggregates, wastewater generated at concrete plants, and salvaged lumber from deconstructed buildings to minimize environmental impacts. He has attracted more than \$1.5 million in funded research over the past seven years.

Abdol Chini is the Coordinator of Task Group 39 of International Council for Research and Innovation in Building Construction (CIB). He is nationally recognized for his expertise in the area of Quality Assurance/Quality Control in Construction and is the chairman of the ASCE Construction Institute's Construction Quality Management and Inspection Committee. He has edited two books, has published more than 80 papers and has made more than 30 national and international presentations. He was listed in *Who's Who in Science and Engineering* in 2000/2001 and was the recipient of the 2003 UF Research Foundation Professorship.

He is married to Shahpar and has two sons: Payam and Pooya.

# Thank you for all of your service....



**Dr. Charles Kibert**

In the Spring of 2003, Dr. Charles Kibert resigned as the Director of the Rinker School to return to teaching and research and to be Director of the Powell Center for Construction and Environment, a research center he founded in 1991. As the Director of the School for the last 3.5 years he was instrumental in fundraising, design, and completion of construction of Rinker Hall. He was the master-mind behind the fact that Rinker Hall has been designed as a high performance, green building that operates on just one-third of the energy of a conventional academic building. This represented a departure from conventional thinking in the design and construction of campus facilities at the University of Florida. Other major accomplishments of Dr. Kibert during his directorship are: \$3.2 million endowment for Powell Center for Construction and Environment, the Master in International Construction Management degree program, Fluor Program for Construction Safety, Faculty Internship Program with Construction Industry, and Industry Focus Groups on BCN undergraduate curriculum. The faculty, staff, and students at the Rinker School would like to thank Dr. Kibert for his 3.5 years of diligent service, innovation, and leadership as director of our program. We wish him best in his future teaching and research at the School.



**Kim Willis Stanley**

Kim had been with the School since 1989. She has held every position in the BCN office including Secretary, Sr. Secretary, Program Assistant and Office Manager. Kim accepted the Office Manager position with PPI Construction Management in Gainesville, FL in May 2003.

Kim has received numerous awards while at BCN including a Division Three Administrative/Supervisory Superior Accomplishment Award in April 2002.

Kim also set the standard of service to BCN staff, faculty, students, alumni and industry. In 1997 she started the BCN Career Fair and in 1996 she traveled to Beijing China to assist with the CIB/Rinker International Conference on Construction Modernization and Education. She was always willing to go above and beyond the call of duty to make sure alumni and students could find jobs. Over the past few years, Kim helped to make sure that BCN moved into Rinker Hall.

Kim will surely be missed at BCN but we look forward to her coming back with her husband, Tim (who graduated from BCN in Spring 2003, Congrats Tim) to all the BCN alumni functions and we wish her good luck in her new position.

## Alumni Job Placement

If you are looking for a job, information about our Construction Career Fair or job placement services, please log onto our website at: [www.bcn.ufl.edu](http://www.bcn.ufl.edu) (then click on Job Placement)



# *Dr. Brisbane H. Brown: An Era of Dedication and Innovation*



Dr. Brisbane H. Brown, known as “BRIS” across the globe - spent 20 years as an officer in the U.S. Army Corps of Engineers in ever increasingly responsible positions managing construction. He has built projects in Thule Greenland, Germany, Korea, Viet Nam and the United States. After he received his Ph.D. in Civil Engineering from Oklahoma State University in 1974, he then joined the faculty of the School of Building Construction at the University of Florida. During the past 29 years, Dr. Brown has served the School in many capacities. For six years, he was the graduate coordinator and taught courses in Management of Construction and Human Factors in Construction. For seven years, he was the director of the School of Building Construction and during this time he began and solidified our School’s relationship with “Doc” Rinker and the entire Rinker family. He was a faculty member of the AGC’s Advanced Management Program, a 9-day intensive course for presidents and vice presidents of small and medium size construction firms. He was selected as a UF Distinguished Professor by the Florida Blue Key. He has received the Teaching Excellence Award from the students in the School of Building Construction. He most recently taught graduate courses in construction work acquisition and a graduate course in construction financial management. He has co-authored four books and has a wealth of experience in consulting and research pertaining to management of construction. He is truly one of the most respected and remembered faculty within the school. Just to let you know the magnitude of his teaching, we looked back over the School’s records to find that over the past 29 years, Dr. Brisbane Brown has been involved with teaching more than 3,300 of the 4,600 undergraduate alumni (nearly 75% of the students in program’s history).

In 1999, for only the second time in the history of the M.E. Rinker, Sr. School of Building Construction, he was inducted as a “Distinguished Educator” into the Construction Hall of Fame. These individuals are recognized as true leaders among our industry and their bronze plaques are mounted outside the north entrance to Rinker Hall.

## *Brisbane H. Brown*

**There are many individuals who have played a significant role in our development towards becoming a nationally recognized and respected school. It is with great pleasure that we recognize Dr. Brisbane Brown as one of these individuals and a major contributor to this success. Dr. Brown’s contributions are indicative of someone with a relentless work ethic and someone who strives for excellence. It is our hope that you will help us honor Dr. Brown’s achievements by donating to the Brisbane H. Brown Endowed Scholarship Fund. Contributions are tax deductible as allowed by the IRS. Please make checks payable to the University of Florida Foundation, Inc. Fund # 1011. In the memo line, please write Brisbane Brown Endowed Scholarship. Please send checks to 304 Rinker Hall, PO Box 115703 Gainesville, FL 32608.**

## *Endowed Scholarship Fund*



June 7, 2003

## Surprise Retirement Party



***Thanks to all who made it  
a wonderful night!***

**Dr. Brisbane Brown  
29 Years Service-  
1975 through 2003**

### Fund Raising:

Started and originated fund raising program in the School  
-Raised over \$2.5 Million  
-Established the first relationship with M. E. "Doc" Rinker, Sr.

### Improving Industry Relationships between Students and the Construction Industry:

Brisbane Brown was the person who established...  
-The welcome reception for new students  
-The Job placement program, leading to the BCN career Fair  
-The graduation dinner  
-The graduate resume book  
-The School of Building Construction Hall of Fame  
-The BCN Advisory Council and its Executive Committee

### Teaching Excellence:

-Using P3 in scheduling course in 1987  
-Using Expedition in Management course in 1994  
-Created two new undergraduate courses and four new graduate courses that are in the BCN curriculum today

### Research:

Served as the executive secretary of Building Construction Industry Advisory Committee (BCIAC) for 13 years and fostered the creation of research in the School

### Service:

To education, community, industry, and country

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Provided by the Student Chapter of ABC



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Back of BCN Gator Shirt

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Front Left Chest Logo

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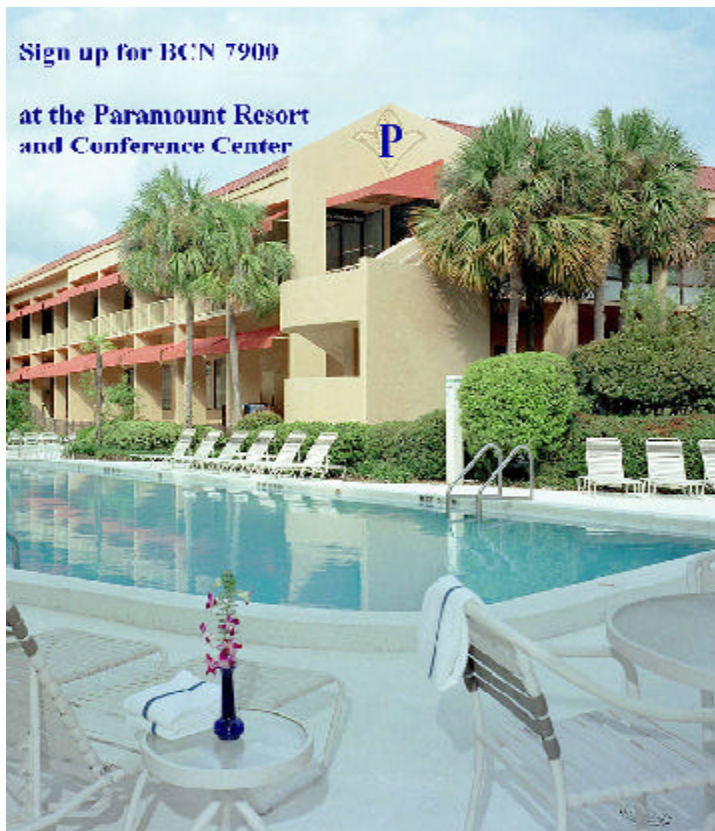
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The M.E. Rinker, Sr. School of Building Construction is honored to have an active Advisory Council whose members, both individual and corporate, serve as an important source of advice and support for the School. Advisory Council is an opportunity for 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

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\$300 Plaque

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\$2000 - includes membership in the University President's Council

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