A Message from

Dear Alumni and Friends,

The Fall semester saw a lot of activities within the Department. Some of these include:

The 20th AE Career Fair, which attracted 129 companies and about 500 students. The Career Fair has been a critical component of the Department’s 100% job placement rate for our graduates. Professor Kevin Parfitt and his team have done an excellent job over the years and I would like to pay tribute to them;

A growing number of young alumni were recognized for their contributions to the profession, with several of these identified as future leaders (see page 4);

Several faculty were honored by their professional societies and for both academic and extra-curricular contributions (see page 9);

Dr. Amr. Elnashai was named as the next Dean of the College of Engineering, replacing Dr. David Wormley who retired at the end of the Fall semester;

The Department completed its Strategic Plan for 2013/14-2018/19. The key elements of the plan will be published in the next issue of this Newsletter and on the Department’s website once it has been approved by the College;

The Department continued its preparations for an accreditation visit in Fall 2014 by ABET;

The AE Program continued to receive excellent support from its alumni and friends. New endowments, gifts and scholarships are recognized on pages 10 and 11 of this newsletter. We are most grateful for your continued support.

The Department remains vibrant and looks forward to the future with optimism. I would like to encourage you to stop by the Department on your next visit to Happy Valley. I also plan to resume my visits to places with concentrations of AE alumni. Please let me know if your you would like to help us organize a reception for AE alumni in your area.

Best wishes for continued success in 2014!

Sincerely,

Chimay J. Anumba, Ph.D., D.Sc., P.E.
Professor and Department Head

On the cover: Nittany Lion Shrine photo courtesy of AE staff member Deb Sam.
Jeffrey D. Turconi ’82 was named president of P.J. Dick in Pittsburgh, PA. Turconi served as executive vice president of the firm for the past ten years.

David Kaneda ’81 is an engineer/managing principal with Integral Group in San Jose, CA. He is responsible for office management, development of sustainable electrical, lighting and daylighting system concepts and design, and business development.

Steve Felice ’85 is a managing director with Rio Tinto, a diversified mining firm in Brisbane, Australia. He leads the business unit responsible for major project execution and delivery for the Australian regions.

Krista Essler ’91 After working in both lighting and electrical design, I embarked on a career change into Holistic Healthcare. I completed a two-year certification in Homeopathy at New York Chiropractic College and then went on to earn a master of traditional Chinese medicine from the International Institute of Chinese Medicine in 2001. In 2007, I became a certified lifestyle and nutritional councillor and added that to my list of treatment modalities.

Mohammad Aliaari ’05g senior associate and structural engineer with TTG in Pasadena, CA. He was project manager of the recently completed new state-of-the-art $320 million Sutter Health Eden Medical Center (SHEMC) in Castro Valley, CA. This project is the first full integrated project deliver—building information modeling (BIM) 11-Party project in the U.S. The project has won numerous design and construction awards and has twice been on the cover page of Engineering News Record (September 2011 and May 2009). Dr. Aliaari has recently published two articles about the project in STRUCTURE Magazine August 2013 issue and AISC Modern Steel Construction November 2013 issue. He has given extensive practical IPD, 3D/BIM, lean practice presentations to over 30 construction and architectural firms. He has been recently promoted to senior associate level.

Brandon McKee ’07 is a construction project manager with Rycon Construction Inc., a general contractor in Pittsburgh, PA.

Angela (Nudy) Matchica ’07 is a principal, electrical engineer, and lighting designer with EwingCole, an architecture and engineering design firm in Philadelphia, PA.

Gloria Brasheer Koehlinger, ’08 is a principal construction consultant with Brachear Construction Consulting, Inc, in Arlington, VA. “Brad Koehlinger (’08, BUS) and I were married on 8/17/13 at my parent’s parish in Pittsburgh, PA. Our ceremony was followed by a reception at the historic landmark, the Pennsylvanian in Pittsburgh, PA.”

Megan (Kohut) Seacrist ’08 and husband Ryan (’01 CE), welcomed their first baby, Colby James Seacrist, on March 31, 2013. He was 7 lbs. 5 oz. and 20” long. Although he was born in Colorado, he’s still a Nittany Lion!

Jason Brognano ’11 is now an electrical engineer in training, LC at Clark Nexsen, Virginia Beach, VA.

Michael Tellep ’13 is a mechanical engineer with JVP Engineers, PC, a MEP consulting firm in Washington, DC.

Abdulwahab Hasan Alhashemi ’11 is a site engineer with KEO International Consultants, a design and management consultancy in Kuwait City, Kuwait. He supervises the compliance and quality control of architectural works conducted by the general contractor to ensure adherence to the contractual specifications and drawings.

Nicholas Umosella ’10, LEED AP, E.I.T. is now project manager at Barton Malow Company, Baltimore, MD.

Samir Al Azri ’10, is an architectural engineering consultant at Azri Architects, and assistant lecturer at Higher College of Technology in the United Arab Emirates.

REUNION

Plans for a 25-year reunion for the Class of 1989 are under way. Please contact Mark Romanski for further details. (mromanski@tcco.com)
Alumni Honors

Michael Royer, ’08,’11g Lighting Engineer/Research, Pacific Northwest National Laboratory in Portland, OR, will be awarded the 2013 Taylor Technical Talent Award from the Illuminating Engineering Society. The Taylor Technical Talent Award recognizes outstanding application papers published in LD+A, LEUKOS, or presented at an IESNA conference. One award has been made each year since 1992. Prof. Kevin Houser was also a co-author of the papers that won the 2005 and 2011 Taylor Technical Talent awards.

The Oct. 2013 issue of ENR Magazine reported that William R. Long ’84, (left) principal and vice president of Canuso Jorden in Feasterville, PA, (left) and Scott Butcher ’85, (right) vice president of JDB Engineering Inc. in Bethlehem, PA, (right) have been named the 2013/14 president and president-elect, respectively, of the Society for Marketing Professional Services Foundation. The society is a non-profit group that advances the body of knowledge on professional services and marketing through research and education.

New Face of Engineering
Three of the five nominees for the New Faces of Engineering recognition program are AE alumni.

Rebecca Delaney, P.E, mechanical engineer, Primera Engineers, Chicago IL. (left)

Charlie Haack, senior associate, ICF International, Fairfax, VA (right)

Alyssa Wingenfield, energy services specialist, McClure Company, Harrisburg, PA (left)

The New Faces of Engineering recognition program introduced by ASHRAE in 2003, is part of National Engineers Week sponsored by DiscoveryE (formerly known as the National Engineers Week Foundation)—a coalition of engineering societies, major corporations and government agencies. Engineers Week, Feb. 16-22, 2014, promotes New Faces to provide incentive to those in college and inspire even younger students to consider engineering careers.

Engineers 30 years of age or younger are the focus of the recognition program. ASHRAE members are encouraged to nominate deserving young engineers so that they might have the opportunity to earn recognition in their chosen field.

ASAE Early Career Impact Award
The Development & Awards Committee of the Penn State Alumni Society of Architectural Engineers (ASAE) is seeking nominations for the annual ASAE Early Career Impact Award. This award was created to honor and recognize an alumnus of Penn State’s Department of Architectural Engineering in the early stages of his or her career.

For award details and to complete the nomination form, please visit: www.engr.psu.edu/ae/asae/awards.asp.

Natalie Bryner ’99 project manager and integrated construction engineer with Davis Construction in Rockville, MD was featured in a career spotlight on: www.opendoorschallenge.com

Sponsored by the Western Union Foundation, Open Doors: Unlock Your Future is a comprehensive program designed to educate, motivate and inspire today’s high school students by providing them with tools to explore potential career opportunities that complement their talents and interests.

Angelica Santana ’11 lighting designer with CM Kling and Associates in Alexandria, VA was one of 17 young professionals spotlighted as a “Future Leader” in the December 2013 issue of LD+A the magazine of the Illuminating Engineering Society of North America.

To compile the list of "Future Leaders," LD+A reached out to IES Districts and Sections and asked that they submit nominations of lighting professionals representing all segments of the industry. In addition, LD+A contacted a number of major companies and educational institutions, as well as the International Association of Lighting Designers (IALD), for nominations.

Obituary
Robert J. Kalan, Jr., 51, of Mars, PA, died unexpectedly on Oct. 6, 2013. He was the son of Robert J. and Helen Bowser Kalan Sr., of Mars, and a 1985 graduate of Penn State with an architectural engineering degree.

He held a P.E. in electrical engineering with certification in several states, and belonged to several professional engineering societies. He was a senior associate, electrical with CJL Engineering in Moon Township, PA.

In addition to his parents, he is survived by a daughter, Victoria Kalan, of Norfolk, VA; and two sons, Stephen Kalan and his wife, Leah, of Stafford, VA, and Kevin Kalan, of Moon Township. He was preceded in death by an infant daughter, Erica Jean Kalan.
All in the Family

The Nittany Lion Shrine on campus (cover photo) has a new look thanks in part to AE alumni brothers, Sean ('07g) and Shane ('10) Flynn and their PA-based family business, Flynn Stone Design and Fabrication Company. The project consisted of a new stone base for the lion sculpture which was conceived as a mountain outcrop. Nearly 90 tons of local stone from surrounding mountains, including Mount Nittany, was placed to create a mountain environs for the lion. In addition, 12’ x 4.5’ natural landing steps were designed and constructed with bluestone provided by Flynn Stone Company. New sidewalks, and a sloped ramp were also created to provide full accessibility for visitors to the famous Penn State landmark. Sean said the company was “very hands-on with the project working with the Office of the Physical Plant and the mason Phil Hawk. As alumni of this great institution, it is an honor and privilege to have the opportunity to leave our mark and give back to the university that has given so much to us and the community.”

Flynn Stone has been involved in several other projects on campus including the generous donation of the stone for the construction of the Michael J. Horman Memorial project at the MorningStar solar home. The site honors AE Professor Michael Horman who passed away in 2009, and includes an outdoor BBQ station, flagstone paving, and a custom fire pit with stone bench seating as an area for the community and students to learn and utilize for years to come.

Sean said, "We started our family company when I was 12 years old stacking field stone and we stumbled onto a quarry on our property. We opened the quarry when I was in high school and my family started a fabrication shop and the company was born - Flynn Stone Company. My brother and I ventured to our nation's capital to partner up and work with Balfour Beatty and Lorton Stone respectively on significant landmark design and construction projects.”

Sean recently finished the restoration of the famed National Gallery of Art East Building designed by world renowned architect I.M. Pei. The project involved restoration of over 17,000 stone panels which was the largest stone project in DC at the time. His brother Shane is currently working at the iconic Washington Monument project leading the charge to restore the monument due to the earthquake damage. Other notable projects the Flynn family has been directly involved in the DC area include the U.S. Capitol, U.S. Supreme Court, World War I Memorial, Lincoln Memorial Reflection Pool, German Embassy, Long Bridge Park, Arlington National Cemetery, Walter Reed National Military Medical Center, and Georgetown University.

Over the years, the Flynn’s have also worked on custom stone projects at the Texas ranch and homes of former President George Bush and wife Laura. Recently, they made custom benches - one was a rocking bench with a hand carved Presidential Seal, and the other was a custom rock faced bench with the hand carved words ‘Bold. Decisive. Resolve. Leadership. – Commander in Chief.’

Flynn Stone Company has grown over the years from a hard-working Pennsylvania bluestone operation to a full scale design and fabrication company achieving international prominence in the global building community. After winning best in show in recent years at the Philadelphia Flower Show with exhibit 'Rose of Glendalough', the Flynn’s were invited to the international stage at the Singapore Garden Festival. The Flynn’s exhibit with partner Celtic Gardens won Gold for fantasy garden exhibition. Thousands of people from across the world visited the exhibit and the Prime Minister of Singapore viewed the exhibit as a work of art in bringing the influences of the western hemisphere to the shores of the great Lion City. The Flynn’s also captured the minds of audiences at the World Garden Festival in Nagasaki, Japan with their sign of peace in remembrance of the anniversary of the bombings dropped in Japan in World War II.

For more on the Flynn family, visit www.flynnstonerocks.com
20th AE Career Fair
On Sep. 23-24, 2013, the architectural engineering department hosted the 20th AE Career Fair. This year's career fair was a great success with 129 companies and approximately 500 students in attendance. In addition we were once again pleased to host visiting students from North Carolina A & T University and Tennessee State University.

This year we had one Industry Leader, Southland Industries, 41 Corporate Partner, (listed right) 21 Sponsor and 66 general companies. As usual, a large number of AE alumni returned to career fair as recruiters. Company representatives were pleased with attendance and with the students they met. Students were interviewed and quite a few will be receiving offers of jobs or internships.

Monday night's Career Fair Social was held at the Hintz Family Alumni Center. These beautiful surroundings were a comfortable choice for the many companies and students who attended. The social is an excellent way for students and companies to talk in an informal setting.

The AE Department would like to thank all of the students who helped make the career fair successful. AE students served as hosts, volunteered to set-up and clean-up the Bryce Jordan Center, handed out the thank-you gifts, and did anything and everything we asked. They are, without a doubt, a great group of students.

Additional 2013 AE Career Fair photos as well as a complete company registration list are online at: www.engr.psu.edu/ae/job_placement/career_fair/indexPostFair013.asp

If you are interested in being on our mailing list to get information about the 2014 Career Fair, please send your company information to Deb Sam at dsam@engr.psu.edu.

The AE Career Fair is held annually, in early fall.
PACE Fellowship Program

The Partnership for Achieving Construction Excellence (PACE) Fellowship Program was developed through the PACE Advisory Board, based on a strategic discussion and feedback at this summer’s meeting. The fellowship is intended to provide an opportunity and partial funding support for construction, engineering, and management faculty who take sabbatical leave to spend a portion or all of that time at Penn State.

The visiting fellow will spend a period of 5-12 months at University Park. While working with the AE Department, the selected fellow will work with the Faculty on a research project of complimentary interests to the PACE program. They are expected to share some of their previous research work during one of the PACE events—the Roundtable or Seminar as appropriate, and they will participate in the PACE events to interact with company members and the students.

It is with pleasure that we announce that Stephen Rowlinson, will serve as the inaugural PACE Fellow. Steve is a civil engineer by training, graduating from Nottingham University and Imperial College, (UK) and has worked for the past 25 years at the University of Hong Kong, currently a full professor in the department of real estate and construction. He has been engaged as a consultant and expert witness for a number of private sector organizations and also the Hong Kong Housing Authority and Hong Kong Government Works Bureau. Steve has written and co-authored five books on the Hong Kong construction industry, and five books on construction site safety management. His areas of specialization are: construction site safety, information and communication technology, BIM and procurement systems. He has published his research work in international journals, conferences and the trade press and he has extensive experience of procurement and safety issues on construction projects worldwide. His team has just completed studies on the cost effectiveness of safety initiatives in Hong Kong, management of heat stress and the health and well-being of construction workers. He is currently an adjunct professor at Queensland University of Technology in Brisbane, Australia and visiting professor at Glasgow Caledonian University, Scotland, and Chongqing University in China. He has been an assessor for the professional examinations of the HKIE and the ICE, UK for a number of years and is a keen golfer.

Steve will be serving as the PACE Fellow in 2014 and you will likely have a chance to meet and interact with him through his participation in the program and PACE events.

Hankin Distinguished Lecture

Dr. Kent Colton, president, the Colton Housing Group and senior scholar at the Joint Center for Housing Studies at Harvard University was the keynote speaker for the Hankin Distinguished Lecture held on campus on Nov. 6, 2013. Dr. Colton spoke on “Framing the Future of Housing Finance: A practical Guide to Reforming the System.”

New Staff

Samantha Glenny joined the AE department administrative staff in Sep. 2013 as the new bookkeeper. WELCOME!

Holiday Cheer

The AE faculty, staff and students participated in a holiday charitable event to benefit the Centre County Women’s Resource Center. More than $600 in clothing, household items, and gift cards were donated.

The CCWRC provides emergency shelter, counseling and advocacy, transitional housing, support groups, etc. for women and children in need.

Residential Building Design and Construction Conference

The Pennsylvania Housing Research Center is pleased to host the 2nd Annual Residential Building Design and Construction Conference to be held on campus on Feb. 19-20, 2014. Registration information can be obtained online at: www.engr.psu.edu/phrc/2014Conference/RBDCC/default.htm
Focus on Research

Patent Issued for Earthquake Damage Resistant Glass Panel

Ali Memari, professor, Paul Kremer, research associate and Richard Behr, emeritus professor, have been issued a U.S. patent for earthquake damage resistant glass panels that were developed as part of their joint research. The subject of the patent is referred to as Rounded Corner Glass (RCG).

Because of extensive damage to windows, curtain walls, and storefront architectural glass in past earthquakes, there is considerable interest in approaches to minimize glazing system damage during earthquakes. Such damage could include glazing gasket dislodging, sealant damage, glass edge damage, and glass cracking, which require expensive building repairs. Glass cracking could ultimately lead to failures in the form of glass fallout, which presents a life safety hazard. Aside from the vulnerability of architectural glass to damage during earthquakes, there is also the potential for liability and litigation facing the building design professionals, contractors, and insurers.

The RCG glass concept has been developed at Penn State University to improve architectural glass panel’s resistance to damage from earthquakes and other loads that could cause horizontal racking movement of glass panels within their glazing frames. The essence of the concept consists of rounding the corners and fabricating the panels with smooth edge contours in the corner regions. The edge finish can be either standard edge finish, i.e., cut or scored edges for annealed glass and belt seamed edge for heat-strengthened and fully-tempered glass, or preferably a refined smooth edge finish through processes such as grinding or polishing. RCG glass panels can perform better than conventional rectangular corner glass because stress concentrations at glass-to-frame contact points at glass corners are attenuated.

Advantages of the RCG glass concept include increasing the glass cracking resistance and to a lesser degree the glass fallout resistance for various glass-to-frame attachment mechanisms including dry-glazed or captured glazing where glass edges are held within the mullion pockets with rubber gaskets, and structural insulating glazing, where the glass is attached to the framing using structural sealant. The concept is applicable to all glazing applications such as windows, storefronts, and curtain walls. Furthermore, the RCG concept is applicable not only to monolithic glass where the glass type can be annealed, heat-strengthened, or fully-tempered, but also to other glass configurations such as laminated glass and insulating glass units. Finally, the concept can be used for stick-frame and unitized glazing systems.
Faculty/Staff Awards and Honors

Dr. Kevin W. Houser, P.E., LC, LEED AP was named a fellow of the Illumination Engineering Society. The rank of fellow is awarded in recognition of valuable contributions to the technical activities of the Society and the art of science of illumination. A certificate and pin was presented to Dr. Houser at a luncheon ceremony held in conjunction with the society’s annual conference.

Dr. Ali M. Memari was named a fellow of the American Society of Civil Engineering (ASCE). Dr. Memari holds a joint faculty position in the departments of Architectural Engineering; and Civil and Environmental Engineering. He is the Bernard and Henrietta Hankin Chair of Residential Construction; the director of the Pennsylvania Housing Research Center; and director of the Building Envelopes Research Laboratory at Penn State.

Memari is also editor of a book, *Curtain Wall Systems—A Primer* that was prepared by the Architectural Engineering institute's Committee on Curtain Wall Systems and published by the American Society of Civil Engineers, 2013. The book with 12 chapters is written by experts in the field of building envelope and glazing systems.

Dr. Stephen Treado was a recipient of the SIMUL 2013: Best Paper Award. His paper titled, "The Impact of Control Setpoints on Building Energy Use," was presented at the 5th International Conference on Advances in System Simulation which was held Oct. 27-Nov. 1 in Venice, Italy.

Prof. Kevin Parfitt participated as an instructor in the ASCE Technical Council on Forensic Engineering workshop, “Using Failure Case Studies to Teach Engineering and Ethics,” as a part of the on-going series of Educators Workshops offered to faculty and interested practitioners. This most recent workshop was offered on Nov. 13, 2013 at the National Building Museum in Washington, DC. The workshop addressed integrating failure case studies into introductory engineering, engineering mechanics, civil engineering, and other types of engineering courses. The focus was on using failures and forensic case studies to improve student engagement and learning. Numerous example cases were highlighted and discussed for demonstration purposes. Assessment methods and results were presented, along with discussion of ways that failure case studies may be used to support ABET outcomes, particularly for the professional component of the curriculum.

As a part of Professor Parfitt’s presentation, the use of Web-based tools such as the Failures Wiki and Building Failures Forum were discussed including on-line discussion forums to provide more direct student – practitioner interaction. Parfitt also presented a session titled “The Campus is our Lab” to demonstrate how buildings and facilities locally at a university can be used to increase direct student involvement and active learning related to forensic engineering and building technology issues.

Dr. Tom Boothby has his artwork on display at the State Theatre in State College during the month of January.

An amateur artist, Boothby enjoys working in watercolor as a way of recording his travels, and in charcoal to draw figures. The drawing (left) is the Fontana Scura in Rome.

ASHRAE President World Travels

In June 2013 William P. “Bill” Bahnfleth was installed as the 2013-14 ASHRAE president.

Bahnfleth is the son of ASHRAE Presidential Member Donald R. Bahnfleth, ASHRAE fellow, life member, who served as president in 1985-86. This marks the first father/son presidency in ASHRAE’s history.

As ASHRAE’s president, Bahnfleth chairs the society’s board of directors and executive committee. Bahnfleth’s Presidential Theme, “Shaping the Next,” focuses on embracing our responsibility to “Our World” – fellow humans and the earth, to make buildings safe, healthy, productive, comfortable environments in harmony with nature. To do this, he believes we must develop “Ourselves” – the human resource of the professional community, and transform “Our Work” – what we do, how we do it, and who we do it with, by becoming more global in outlook, broader in scope, and more collaborative in approach.

Bahnfleth reported that his world-wide travel to represent ASHRAE and meet with society groups has been so extensive, that he has not spent more than three consecutive days at home since the middle of June. Currently, he has visited 12 countries and will visit even more in the spring.

Bahnfleth was fortunate to share a number of these trips with his wife Mary. (Shown below in Delphi, Greece, on a day of free time during a visit to the ASHRAE Hellenic Chapter in Athens). Asked if he is enjoying his presidency, he said, “It’s a real privilege to represent ASHRAE and meet with our members around the world. That in itself is enjoyment enough - the hospitality extended to us wherever we go is icing on the cake. Many of our hosts are eager to show us some of the sights and history of their countries, which adds immeasurably to what we gain from these visits.”

He spent some quiet time at home relaxing with family and friends, and enjoying the beautiful surroundings of central Pennsylvania over the holidays, before beginning the last half of his presidency in the spring.

Photos and commentary on Dr. Bahnfleth’s ASHRAE activities can be found on Facebook at “ASHRAE President.”
Alumni Gift to Support Student Study Abroad

A new scholarship, the Beabout the World Study Abroad Scholarship in Architectural Engineering, will provide recognition and financial assistance to undergraduate architectural engineering students studying at the University Park campus who are passionate about exploring and engaging with their world.

The scholarship was created by Penn State alumni Julia C. and Brent R. Beabout of Fort Lauderdale, FL. Julia Beabout, AE class of 1988, is president of Simulated Solutions LLC, a consulting firm providing energy modeling services and mechanical systems sustainability consulting to the building industry. Brent Beabout is a 1987 civil engineering graduate and senior vice president of supply chain for Office Depot.

Mrs. Beabout visited the AE Department on Nov. 14 to meet with AE students for a discussion on study abroad opportunities.

MorningStar Tour

During the fall 2013 semester, Dr. Steven Ayer, ’08, ’13g instructor and post-doctoral researcher took AE students in his AE 124 first-year seminar course on a tour of the MorningStar solar home to learn about sustainability in the built environment. They learned about the different active and passive sustainable strategies that are employed in the home. The MorningStar facility was designed for the 2007 Solar Decathlon competition in Washington, DC, and is now a permanent fixture on Penn State’s campus. The original building has been expanded with the addition of a classroom, electric car recharging station, and a memorial for Dr. Michael Horman. These additional features now allow the MorningStar house to serve as a laboratory for researchers, a classroom for students, and an outreach facility to educate visitors about how the University is continuing to push the sustainable building envelope.

In the photo, Dr. Lisa Riley Brown explains to students about the importance of orienting a building on a site to take advantage of sunlight for heating and daylight usage.

New AE Endowments/Scholarships

The AE Department is pleased to announce several new endowed gifts that have been established. We are very grateful for the outstanding support these bring to both the Department and our students!

Barton Malow Excellence Fund in the Department of Architectural Engineering, a 3-year commitment established by Robert Grottenthaler, ’80. The funds may support a variety of programs and initiatives for AE third-year students including short-term travel, study abroad experiences, professional conference attendance, allied academic development opportunities, research expenses, and scholarship support.

Ted and Sarah Lynch Excellence Fund in AE sponsored by Theodore (Ted) Lynch, ’92, ’96g, and his wife Sarah. The endowment was established to support interdisciplinary activities among the four options, (construction; lighting/electrical; mechanical; and structural) within the AE undergraduate program.

Reynolds Construction Fund for Excellence in the Department of Architectural Engineering sponsored by David Angle, Reynolds Construction Mgmt., Inc., Harrisburg, PA. The purpose of this endowment is to enrich the College of Engineering at Penn State by providing monies to support various activities and initiatives in support of the construction program in the Department of Architectural Engineering.

Stantec Scholarship in Architectural Engineering, a five-year commitment established by Thomas Walsh at Stantec in Endicott, NY, to recognize and provide financial assistance to outstanding graduate and undergraduate students majoring in AE.

On behalf of the faculty, staff and students of the AE Department, THANK YOU all for your generous support!
Your support is making a difference!

We are extremely grateful for the outstanding support that we regularly receive from our alumni and friends. Your support is even more critical in these difficult times. We acknowledge the below gifts made between January and December 2013. If your name has been inadvertently left out, please notify us and we will rectify it.

Gifts to $999
Acuity Lighting Group, Inc.
Ms. Carolyn Stoner Akers
Mr. Alexis C. Arnoldi
Bahnfleth Group Advisors, LLC
Mr. Ryan G. Barney
Mr. Dennis S. Basich
Mr. David C. Bechtol
Mr. Marvin S. Bevan Jr.
Mr. Brian Binkley
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Ms. Ashley L. Wisse
Mrs. Nancy S. Witherite
Mr. David L. Zartman

Gifts of $1,000 - $4,999
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Randy Burkett Lighting Design, Inc.
Mr. David Caddick
Cagley & Associates, Inc.
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Ventana Property Services

Gifts of $5,000 and up
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Mr. & Mrs. Brent R. Beabout
Clark Construction Group, LLC
GE Foundation
IALD Education Trust Fund
Illuminating Engineering Society
Dr. and Mrs. Theodore Lynch
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Shell Oil Company
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**Department Head:** Chimay J. Anumba  
**Editor:** Nancy J. Smith  
[www.engr.psu.edu/ae](http://www.engr.psu.edu/ae)

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**ALUMNI UPDATE —We want to hear from you!**

Have a message you want to share? Fill out this form, or complete the Alumni Update Form on-line at the AE website at [www.engr.psu.edu/ae/contact/Alumni-Update-Form.asp](http://www.engr.psu.edu/ae/contact/Alumni-Update-Form.asp).

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<th>Date of Degree(s)</th>
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<table>
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<th>Home Phone</th>
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<th>Responsibilities</th>
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<th>Additional Comments (may be published in the next newsletter if applicable)</th>
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Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.