



The University of Cincinnati College of Engineering

Quadrangle

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UNIVERSITY OF CINCINNATI DEDICATES NOYES TISSUE ENGINEERING AND BIOMECHANICS LABORATORY

Recognizing the importance of his longstanding commitment to orthopaedic excellence and the significance of his contributions to orthopaedic research, the University of Cincinnati has honored internationally-renowned knee surgeon Frank R. Noyes, MD, by establishing the Noyes Tissue Engineering and Biomechanics Laboratory. The dedication of this state-of-the-art facility occurred Wednesday, November 5, 2003 at 5:00 p.m.

“Dr. Noyes’ long-standing commitment to helping people with knee problems and his gift of time and talent over the past twenty-five years represent his continued commitment to orthopaedic research,” said William Ball, MD, Biomedical Engineering Department Head. “His support will allow us to open even greater avenues for collaborative orthopaedic research in the future to continue to find ways to improve the quality of life for people around the world.”

As an internationally-respected orthopaedic surgeon, Dr. Noyes’ research efforts have contributed to many exciting scientific breakthroughs in the treatment of complex knee problems, particularly in the areas of ligament, bone and soft tissue injuries. Current research showing promise is in the area of tissue engineering.

“What is really exciting is that tissue engineering is leading us down a path that could impact our ability to treat patients with many orthopaedic problems, especially crippling arthritis,” said Frank R. Noyes, M.D. “At the Noyes Tissue Engineering and Biomechanics Laboratory we are energizing cells which are put into the body to generate new cells to make parts that can restore function to the knee joint. For example, a salamander has cells that have the ability to regenerate parts of his body. In the lab we are making great progress with cells from the knee meniscus, or shock absorber for the knee. As our work continues to advance, it could impact the more than a half million patients each year whose knee is damaged by meniscus problems.”



Pictured L to R: David Butler, Professor of Biomedical Engineering; Frank Noyes, MD, and Ed Grood, Professor of Biomedical Engineering.

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DEDICATION EVENT MARKS OPENING OF LOUIS M. LAUSHEY UNDERGRADUATE DESIGN CENTER

On October 9, 2003, the Civil and Environmental Engineering Department hosted the dedication and grand opening of the Louis M. Laushey Undergraduate Design Center in Baldwin Hall. The center, a self-contained laboratory that will provide senior CEE students with a real world, state-of-art facility and office environment for their Integrated Design Sequence experience, was named for the late Louis M. Laushey, PhD, former Emeritus Professor, CEE Department Head and Dean of the College of Engineering. The event concluded a successful two-year grassroots fund-raising effort spearheaded by CEE Advisory Board members Roger Zanitsch and George Webb that generated close to \$65,000 to outfit the center.



Pictured L to R: Dean Kowel; George Webb, MS '76, CEE Advisory Board; Anant Kukreti, Civil and Environmental Engineering Department Head and Nancy Zimpher, University of Cincinnati President.

Approximately 60 students, faculty, staff, alumni and friends of the department attended the dedication officiated by UC President Nancy L. Zimpher, College of Engineering Dean Stephen T. Kowel, and Civil and Environmental Engineering Department Head Anant Kukreti. "I believe that Engineering implies putting theory into practice," stated Dr. Zimpher in her address prior to the ribbon-cutting. "This lab will provide our students with the opportunity and facilities to do so."

The dedication was held, in part, to recognize the more than 165 individuals and corporations whose support helped make the center a reality. Special thanks and acknowledgement go to H.C. Nutting Company and to Landrum & Brown, Inc. for their sponsorship of group workspaces in the center. ■

A NEW ERA AT UC



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UC witnessed the beginning of a new era as Nancy L. Zimpher became president of UC on October 1, 2003. To overcome some major financial woes, she has already started an assessment and strategic planning effort involving all University constituencies. The faculty and administration of the College are looking forward to the many changes that will occur, and we are well-prepared for the performance-oriented budget process that we expect to be implemented.

When I speak to alumni groups, or write for the Quadrangle, reactions generally fall into one of two categories: some want to know what really is going on, and some just want to hear good news.

Of course, both viewpoints are easily understandable. Many of you have weathered severe financial strains as the economy struggles to regain momentum. You may think that academics have it much easier, and it is true that faculty have a high level of job security compared to many in the corporate world. The system was designed to encourage commitment and an atmosphere of free enquiry unfettered by political constraints. And this system has served the nation (and each of you) pretty well: it has produced an exceptional base of technical expertise. However, it is not a system that can respond quickly to changes in financial resources – our fixed costs are a very large percentage of the total, and we can't easily move people around to adjust to market conditions.

During the last few years UC has lost both enrollment and state support. I am pleased to report that enrollment is now being taken seriously across Campus, and the numbers are moving in the right direction. Engineering has been a leader, with freshman enrollment up each of the last two years. This increase resulted from very hard work by staff and faculty, as well as the support of alumni and students who personally contacted prospective students. Engineering has become much more attractive because of the ACCEND programs (5-year BS/MS programs) and the Freshman Engineering Option (admission without major designation). As a result, we welcomed the largest Freshman class in a decade to campus this fall. Graduate enrollment is at an all-time high, and research funding has reached a new high as well.

Thus, Engineering is very well positioned as we enter the University strategic planning process. Performance is up in every category. Enrollment of women and minorities is increasing. As a College, we are taking a really hard look at the Freshman year to see how we can make it more relevant and more exciting, and more helpful to the student undecided about his or her major. On the "Needs more effort" side: students need to hear about the value of a UC Engineering education as early as junior high school if we are to provide the workforce the nation will need; and some individual undergraduate programs need to work even harder at converting students in the Freshman Engineering Program into their majors. As always, your suggestions about curriculum and skills are welcome—never more than right now.

Your support for the College has never been more important. Whatever you can do by volunteering your time or making a financial contribution will provide us with moral and material support as we move into new territory. The next two years are going to be a struggle, but we will do everything in our power to protect our core mission. We value your help as we go forward.

Dean Stephen T. Kowel

TEAM HERMAN WINS ALUMNI TEAM COMPETITION IN 25TH ANNUAL GREAT BEARCAT RUN

Team Herman of the College of Engineering placed first among alumni teams competing for scholarship prizes in the 25th Annual Great Bearcat Run and “Cat Walk” at Homecoming. The Great Bearcat Run and “Cat Walk” kicked off the UC Homecoming Parade which started on Clifton Avenue at the College of Law and finished in Nippert Stadium. For their corporate fleetness of feet, Team Herman was awarded first prize of \$2500 for the Engineering Alumni Association designated for undergraduate scholarship funds.



On your mark, get set, run like a bearcat!

Alumni came from as far away as Chicago and Cleveland to participate. Eugene Rutz, Captain of Team Herman said: “It was great to have Bearcat engineers from a variety of classes and disciplines come together for such a worthy cause. It was a great day for the College and we look forward to defending our title next year.”

Members of Team Herman include Eugene Rutz, '82 BSNE, '87 MSME (Captain); Jeffrey Johnson, '85 BSEE, '91 PhD EE; Dallas Horn, '67 BSEE, '73 MBA; Jason Heikenfeld, '98 BSEE, '01 PhD EE; Chris Buday, '03 BSCE; Bob Zak, '01 BSCE; Zhou Yu, '00 MSMSE; Eric Huey, MSME; Steve Fesko, '81 BSCE; and Tom Puvogel, '82 BSEE. ■

UNIVERSITY OF CINCINNATI DEDICATES NOYES

Continued from page 1.

In 2001, the University of Cincinnati was the first public university in Ohio to create a Biomedical Engineering Department. The Department brings under one umbrella all the expertise and the diverse research and educational projects in biomedical research that have been active throughout the University for 25 years. The Noyes Tissue Engineering and Biomechanics Laboratory is a key element of the program. Undergraduate and graduate students participate in collaborative research with Dr. Noyes and other orthopaedic surgeons at the Cincinnati Sportsmedicine and Orthopaedic center. The Laboratory and Department provide a catalyst for research and development of new orthopaedic treatments and products.

In addition to his research and development efforts at UC, Dr. Noyes promotes clinical research efforts, as well as formal education and training of medical health professionals through collaborative efforts of the Cincinnati Sportsmedicine Research Foundation, which Noyes established in 1985. A major effort of the Foundation is to conduct clinical outcomes research to provide data on the results of a variety of operative and rehabilitative treatments for knee injuries and problems.

Noyes is also involved in research that centers on the female athlete and the prevention of serious knee ligament injuries in sports. His studies led to the development of Sportsmetrics™, the only scientifically proven training program that decreases the incidence of serious knee ligament injuries in young female athletes. To date, 94 sites across the United States, Austria, Canada, Brazil and Wales are certified to conduct Sportsmetrics™ training. ■



Terri Braun
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Dear Fellow Alumni/ae:

As I am finishing my final year as President of the Engineering Alumni Association, I wish to thank the many alumni whose involvement and support have made a difference in the lives of College of Engineering students. This past year alone, through the golf outing and victorious participation in the UC Alumni Association Bearcat Run, we have raised over \$10,000 for undergraduate scholarships. In these days of significant annual tuition increases, I know this support means a lot to the undergraduate students.

For the second consecutive year as the College has faced significant budget cuts, the UC Alumni Association (UCAA), through its Affinity Marketing Funds, has stepped forward to support the College's recruiting efforts. UCAA generously sponsored the College of Engineering's Peer Recruiting Day on January 17. Twenty-seven engineering undergraduates will receive \$200 each in book allowances for their work in actively recruiting students into the Freshmen Engineering Program. Additionally, the UCAA underwrote the expenses of this event where 250 people, including 70 prospective students, visited the College of Engineering to meet with students, faculty and staff.

I am especially grateful for the support our engineering alumni provided through the Engineering Alumni Recruitment Network (EARN) program. Again this year, a number of our alumni have telephoned students who have applied to the College of Engineering to answer questions and share their own student experiences. At a time when many engineering colleges are continuing to experience declining enrollment, UC's College of Engineering enrollment for 2003-04 is up 6% with freshmen enrollment up 16%. UC engineering alumni share some responsibility for those most impressive results.

As some of you may know, the UC Alumni Association Board of Governors approved an increase in membership dues. (UCAA's last dues increase was in 1999, and our dues level has lagged below the norm among our peer institutions – particularly given the great things going on at UC now and in the immediate future.) Membership dues generate the subsidy payment, which is the largest source of support for our college alumni association's budget. New rates will go into effect with the start of the new fiscal year, July 1, 2004. Annual-Single rates will increase by \$10 from \$35 to \$45, while Annual-Joint rates increase from \$45 to \$60. Life-Single rates will increase by \$100 from \$500 to \$600, and Joint-Life memberships will increase by \$150 from \$600 to \$750. In addition, subsidy payments will rise proportionally with the increases, so there are compelling financial benefits to our college alumni association as long as our grads continue to join the UCAA.

Alumni who are engaged in the University know UC has been evolving into a world-class institution with steady momentum. Our new President, Dr. Nancy Zimpher, is leading a comprehensive academic planning process that will chart UC's bold and exciting future. The physical master plan, responsible for all the recent construction to the campus, is taking shape. And with UC's entry into the Big East Conference, our athletic programs have experienced significant advances, too.

As alumni/ae of UC, we share in the enhanced stature that our alma mater is achieving. If you are not currently a UCAA member, I urge you to become more connected to UC by joining the Alumni Association ... your UCAA membership automatically makes you a member of the College of Engineering Alumni Association. If you are already a UCAA member, I encourage you to become even more involved by joining in the many activities and events available to UC alumni/ae. Visit the UCAA website, www.alumni.uc.edu, and the College of Engineering alumni website, www.eng.uc.edu/friendsalumni/alumniassociation/, for details.

Terri Braun

EE CLASS OF '43 REUNION

by Robert A. Ramey and Carl Schneider

The EE Class of 1943 celebrated their 60th reunion at UC in June 2003. There are 22 survivors from the original class of 44. Fourteen were able to attend, with eleven accompanied by their wives. The Vernon Manor Hotel, less than a mile from the UC Alumni Association facility, was the reunion hotel and provided private meeting rooms, discount room rates and free shuttle service to all EE '43 events.

A Friday afternoon "Get Reacquainted" session in the "Club 400" of the Vernon Manor preceded a delightful dinner at Mike Fink's Riverboat Restaurant offering a beautiful view of Cincinnati's waterfront at night.



First Row:
Mervin Frank, George Minges,
and Carl Schneider (seated)

Rear Row:
Ropp Triplett, John Gruber,
Bob Schulte, Warren Weise,
Dean Kowel, Bert Cole,
Bob Ramey, Ben Horvay
and Paul Yingst

Saturday morning started with breakfast together in the hotel's "Library". Then on to the campus for a walking tour of the Engineering College buildings and grounds followed by a luncheon at the UC Faculty Club with some CE '43 alumni. Dean Kowel spoke describing today's College of Engineering. Afterwards, Dr. Tom Mantei, Head of the Department of Electrical and Computer Engineering and Computer Science, led a tour of the modern department's buildings, labs and classrooms. But no one remembered where that big steam engine is located! Those who did not go on the annual college tour enjoyed the annual Butterfly Show at the Krohn Conservatory in Eden Park.

Saturday evening brought the EE '43 60th Reunion Dinner in a private dining room of the Vernon Manor. Professor Alex Bereskin, at 91, the sole surviving EE faculty member from 1943, narrated the events in the college from 1943 to the present.

Listening, eating and viewing were not the real stories of this reunion. The attendees' conversations shared the experiences of 60 years of life in the center of an age of change. They had family, children and jobs that made real contributions to the technological world of today. These men had contributed to it all: military service, the atomic age, consulting, computers, communication, microcircuits, environment monitoring, weapons' design, and many other areas. Being an engineer during this time was interesting beyond compare. UC opened the world to EE '43!

The other story is of the year's work that brought this reunion together. Carl and Hattie Lou Schneider, with Bob Ramey, deserve credit for locating attendees and being responsible for communications, coordination of plans, and negotiations. Marvin Kelley of the UC Foundation brought together resources to assist in locating the attendees. Dean Kowel added the College's cooperation and assistance.

The reunion was so successful that another is planned for a western resort next year! ■

CLASS NOTES

1930's

S. Ted Issacs ChE '36 would like to hear from any of his fellow classmates. He can be reached via email at tisaacs@Zoomtown.com.

1950's

Gene P. Steiger EE '57 has retired as director of systems engineering for Spacing Imaging in Thornton, CO, and previously from Lockheed-Martin in Sunnyvale, CA. After 40 years in the San Francisco Bay area, Gene and wife Faye have moved to Rancho Palos Verdes, CA, where they fix up their 4100 sq. ft. home and enjoy their grandsons' soccer, baseball, and swimming activities. Gene's email is gpsteiger@aol.com.

1960's

John Tomke Ch '69, Ducks Unlimited President, met with President George Bush and other leaders from the conservation community at the White House on Dec 12, 2003 to discuss major issues of interest to the wildlife conservation community. As the world's largest and most effective wetland and waterfowl conservation organization, Ducks Unlimited strives to preserve nature's most productive yet threatened ecosystems.

1970's

David Sudman Ch '70 has retired from Sunoco Refining and Marketing located in Toledo, Ohio. David credits the UC COE co-op program for his start with Sunoco 34 years ago which he noted as "the perfect match".

Brent Beacher, MS '72, PhD '73, was recognized by American Society of Mechanical Engineers (ASME) with the Society's Melville Medal for best original technical paper published in the past two years. As a senior engineer for GE Aircraft engines, Brent works to improve the aerodynamic performance of CF6, CFM56, and GE90 compressors.

Art Burkhardt, ChE '79 has assumed additional responsibilities as Vice President of Marketing at SAVVY SITES, a web design firm he co-founded in 2002. He will focus on expanding their internet marketing and other web services for high tech and small businesses. For a limited time, SAVVY SITES is offering a 10% discount to UC alumni on all purchases. Burkhardt was most recently VP of global marketing for the semiconductor unit of Henkel Loctite. He and his wife Nina reside in San Diego with their two boys. He may be reached at aburkhardt@savvysites.biz

1980's

David Uram, Met E '80 began working for Metal Tek Int. in June 2003. His work includes corporate duties based out of Waukesha, WI and plant responsibilities in Watertown, WI.

The 1985 Class of Chemical Engineers is planning a twentieth anniversary reunion for the fall of 2005. Ed Frindt, Don Joseph and Paul Russo are serving as members of the reunion committee. Tentative plans involve a fall event around a football weekend at UC. Interested classmates are requested to respond to Ed at aefrindt@cox.net.

1990's

Mark Wise, CE '99 graduated from the Medical College of Ohio this spring and is now receiving his medical training in Emergency Medicine at Ohio State University. He can be reached at mwise@wowway.com.

Were you ever a member of the UC bands while attending UC? The UC Band Alumni Association is updating its directory and is interested in hearing from any prior undergrad band member not currently listed in its directory. If you are not sure of your listing, just email or call Bill Wergowske, CPA at: billwergowskecpa@fuse.net or 513- 922-6262.

25th Reunion- ChE Class of '79

Seven UC chemical engineering grads from the class of 1979, and their spouses, met in Cincinnati for dinner over the Christmas holidays. Attendees came from Cincinnati, Cleveland, Michigan, Texas, and California to dine and plan their upcoming 25th reunion. The group was treated to award-winning fare at Sturkey's restaurant in Wyoming, hosted by Ed Rogerson, a partner at the establishment and one of the grads.

For more information about the reunion in June 2004, contact Art Burkhardt by email at aburkhardt@savvysites.biz ■



ChE class of '79 grads with spouses, from left to right: Ed Rogerson, Ralph Quisno, Art Burkhardt, Dave Aebi, Greg Dearwater, Tom Richey, and Kevin Ryan.

Engineering Freshmen Awarded Demakes Scholarships

Among the twenty-nine students who received Demakes Legacy Scholarships on October 7, 2003, seven were engineering students. Congratulations to Daniel Grissom, Matthew Hill, Patrick Klenk, Laura Robbins, Evan Sparks, Benjamin Stayton and Stephen Toerner!

The Christos P. Demakes Legacy Scholarship Fund honors retired executive director Chris Demakes. Scholarships are awarded to qualifying entering UC freshmen who are lineal descendants (children or grandchildren) of UC graduates who are members of the alumni association. Congratulations to the winners from all the Colleges. ■

A \$50 GIFT COULD MEAN \$1,000,000 TO THE COLLEGE OF ENGINEERING IN 2004

Help us do the math: With a College of Engineering alumni base of 20,000, a \$50 gift from each alum this year could mean \$1M for the College of Engineering's Annual Fund. Just \$50!!!

Gifts from alumni and friends to our annual fund are the greatest resource that the College can turn to and utilize for things that our students need TODAY and TOMORROW. This could be an emergency scholarship, student travel or seed money for projects students do for real world experience. You likely were a recipient of annual funds as a student and may not have even noticed!

Continued support of this important area is vital to the well-being of the College. This renewable financial base helps meet the College's most pressing needs on an annual basis such as financial aid for qualified and deserving students, program enhancement, new equipment and instrumentation, and the maintenance and upkeep of facilities.

Your gift will have an immediate impact... Please consider supporting the College of Engineering Annual Fund by sending your gift and pledge of support today with the envelope enclosed. If every alum helped us in a small way, the results would go a long way.

You have the power to help us raise a new \$1,000,000 for the College this year.

Thank you in advance for supporting the College of Engineering Annual Fund. For more information please contact Janet Ransom by telephone at (513) 556-6270 or by email at Janet.Ransom@uc.edu. ■

COLLEGE OF ENGINEERING ALUMNI ASSOCIATION

The Annual Reds Game vs. Houston Astros, May 21st, 2004

Join the College of Engineering Alumni Association(UCAA) for an evening of fun and excitement at America's favorite pastime. The Reds will continue their tradition of playing ball along the banks of the Ohio River when the team takes the field for its second season in the Great American Ball Park. You'll be able to watch from our block of reserved terrace outfield seats.

Tickets are available to members of the UCAA and their guests at a discounted price of \$10 each (limit 4). Additional guest and non-member tickets are available for \$15 each. As in the past, there will be complimentary door prizes, and of course, the chance to socialize with fellow alumni and current students.



DATE:

Friday, May 21st, 2004
7:10 pm Game Time

WHERE:

Great American Ball Park

TICKETS:

Terrace Outfield
\$10 UCAA members
and UC faculty/staff
(limit 4 tickets each)
\$15 all others

ADDITIONAL DETAILS:

<http://www.alumni.uc.edu>
or call 556-1169

Yes! I/we will be joining our friends on Friday, May 21st at the Great American Ball Park 

Name _____ Graduation Year _____

Address _____ City _____ State _____ Zip _____

Daytime Phone _____ Evening Phone _____

Email Address _____ Are you a member of COEAA? Y/N

Alumni Number _____

Reservations ____ \$10 ____ \$15 Total enclosed \$ _____

Names of guests _____

Credit Card Information VISA/MC _____ Expiration date _____

Please send this form to: University of Cincinnati Alumni Association, Russell C. Myers Alumni Center, COE Reds Game, PO Box 210024, Cincinnati, OH 45221-0024 or fax your reservation to (513) 556-3011 with your credit card information. Make checks payable to UC Alumni Association.

Reservations can also be made on line at www.alumni.uc.edu.

The College Announces the Appointment of Two Department Heads

Dean Stephen Kowel has announced Dr. Paul Phillips as the new Head of the Department of Chemical and Materials Engineering and Dr. William Ball as the Head of the Department of Biomedical Engineering. Visit our Quad Extra website at <http://www.eng.uc.edu/quadextra> to learn more about the newly appointed administration. ■



LINK TO OUR WEBSITE FOR MORE...

UCEAA'S TENTH ANNUAL GOLF OUTING

The College of Engineering Alumni Association held its tenth annual golf outing at Crooked Tree Golf Course in Mason, Ohio on September 15, 2003. With over 130 golfers participating in a shotgun scramble, the ADP team consisting of Ed Deeds, Steve Dorazio, Todd Lyon, and EJ Jordan took home the top prize! Other winners included closest to the pin, Ron Thompson and Marty Rielage; longest drive, Bill Lower and Jon Drummond; and longest putt, David Widmann and Dick Slack.

With strong support from 36 corporate sponsors, the Golf Committee reported close to \$8000 was earned for the 2004 engineering student scholarship fund.



*Pictured L to R: Cynthia Chiang, Kathryn Anderson, Smriti Srivastava.
Not pictured: James Landers.*

The College of Engineering Scholarship Committee is pleased to announce the following scholarship recipients for 2003:

- James Landers** – Program of Study: BS in Biomedical Engineering Mechanics
- Smriti Srivastava** – Program of Study: BS in Chemical Engineering
- Cynthia Chiang** – Program of Study: BS in Biomedical Engineering Mechanics
- Kathryn Anderson** – Program of Study: BS in Industrial Engineering

The UCEAA recognizes the sponsors, participants, and volunteers for their commitment to making the annual golf outing a success each year. The College would also like to give a special thanks to John Cozad, Bill Kramer, Steve Crowley and the Golf Committee for their contribution of time and effort in organizing the event.

Mark your calendars now for the 11th annual golf outing scheduled for September 20th, 2004 at Crooked Tree Golf Course. ■

QUADRANGLE TO BE PUBLISHED ELECTRONICALLY

The College will replace the print Quadrangle with an electronic version of the Quadrangle on our website in late summer. Alumni/ae who express interest will be able to receive an email notice when the Quadrangle is published. The electronic version will be the only Quadrangle edition available until the current fiscal difficulties are resolved.

Because this is the final Quadrangle in print, it is important that interested alumni/ae provide the College with email addresses through the College's website at the following url: <http://www.eng.uc.edu/quadrangle>. If you prefer to provide your email address by telephone or email, please call Tom Curtis at (513) 556-1169 or send him an email at curtistc@ucmail.uc.edu. If you prefer to provide your email by mail, please tear off the address label of this edition of the Quadrangle and send it, with your email address, to:

College of Engineering
Attention: Tom Curtis
University of Cincinnati
P.O. Box 210018
Cincinnati, OH 45221-0018



LINK TO OUR WEBSITE...

Aerospace Engineers Plan 75th Anniversary Celebration

The Department of Aerospace Engineering & Engineering Mechanics is making plans to celebrate its 75th anniversary in Fall 2004. The second oldest aerospace department in the country, it was founded in 1929 by Bradley Jones. For news and updates, please visit <http://www.ase.uc.edu>. ■

QUAD EXTRA!



LINK TO OUR WEBSITE FOR MORE...

On the following feature stories at www.eng.uc.edu/quadextra

- 1)** Student Profile: Meet Jeannette Dehmer
- 2)** Student Profile: Meet Cynthia Chiang
- 3)** Local high schools participate in the 1st annual BEST competition
- 4)** Randall Wolf, PhD, appointed Professor of Biomedical Engineering
- 5)** Bridge building competition draws area high school students
- 6)** The College Announces the Appointment of Two Department Heads
- 7)** State of Ohio Awards College of Engineering \$4.3 Million for Research Infrastructure
- 8)** Engineering grads contribute expertise in building the new Contemporary Arts Center located downtown
- 9)** College of Engineering Honor Roll of Donors



Quadrangle

2004 SPRING QUARTER UPDATE

Stephen T. Kowel — Dean of Engineering

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