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It has been an astonishing year at Purdue. While universities across the country are facing significant declines in state support and dramatic cut-backs as the result of the staggering economy, Purdue is bucking the trend in a big way.

The State of Indiana is investing in higher education with an increase in state funding, and Purdue is using this state commitment and the very generous gifts of alumni and friends to rapidly and significantly expand its facilities and faculty. This has given Purdue a very enviable competitive advantage relative to our peer institutions. And, if we can continue to hold this advantage, it will ensure that we reach our goal of turning a great university into a preeminent university.

(continued)
Against this backdrop, 2003 will be remembered as a banner year for Civil Engineering at Purdue. There were many great milestones and achievements during the year including:

- A generous gift from Christopher (BSCE ‘77, MSCE ‘79, Ph.D. ‘83) and Susan Burke (BS ’78), of Rosemont, Illinois, established a new chaired professorship in the School. Such professorships provide valuable endowment funding that enable Purdue to attract and retain outstanding faculty and students.

- As part of a challenge to bring more chaired professorships to Purdue, Mr. William Bindley (BS ’62, Honorary Doctorate ’97), of Indianapolis, will match the Christopher and Susan Burke Chair bringing another endowed professorship to Civil Engineering.

- Edward Curtis (BSCE ’49), and Jewel Spayth (BS ’47), of Beaumont, Texas generously pledged $1M to establish a chaired professorship for visiting professors, so that Purdue’s School of Civil Engineering can attract outstanding scholars from other universities to visit and teach during their sabbatical leaves.

- The October completion and dedication of the Robert L. and Terry L. Bowen Laboratory for Large-Scale Civil Engineering Research is an exciting milestone for Civil Engineering at Purdue. Funded entirely by the contributions of alumni and friends, it is simply the best structural and materials testing facility in the World. This incredible facility will significantly expand Purdue’s already formidable structural and materials research program.

- The School has added four new faculty to its ranks, including outstanding senior faculty members from other universities as they are attracted to the unprecedented growth and expansion at Purdue. And, there will be more faculty to come. Civil Engineering is participating extensively in the eight signature areas defined by Purdue’s Schools of Engineering. These signature areas will add an astonishing 75 new faculty positions to Engineering in the next 5 years and Civil Engineering will play a key role in this expansion.

- Externally funded research expenditures in the School of Civil Engineering reached record levels in the 2002-03 academic year with a solid 13% increase over the previous year. Given the economic conditions, this is indeed an impressive achievement. These are just a few of the many things that are helping to make Civil Engineering at Purdue the world’s preeminent civil engineering program. Developing new ways to expand the undergraduate and graduate programs, revising and updating the undergraduate curriculum, administrative restructuring, new faculty incentives, and new ways of recruiting outstanding students are some of the other initiatives that the School is in the process of implementing. The goal is preeminence. With the continued support of alumni and friends and the hard work of faculty, staff and students this goal is well within our grasp.

Fred Mannering
Head, Civil Engineering
Dulcy Abraham, Construction Engineering and Management and Doug Sutton were two of the seven professors from the Schools of Engineering that were entered into the Book of Great Teachers on August 28, 2003. This Book "honors the accomplishments of Purdue's best faculty and recognizes their long-term contributions to the University."

The book, a bronze-and-walnut wall display in the west foyer of the Purdue Memorial Union, honors outstanding teaching faculty who have demonstrated sustained excellence in the classroom. The 42 professors are the first group to be inducted since the Book of Great Teachers was unveiled in 1999 with the names of 225 current and former faculty. Honorees include past winners of university wide teaching excellence awards and those nominated by students, alumni and colleagues. It is an honor for the School of Civil Engineering to have Dulcy Abraham and Doug Sutton join this elite group.

Professor Dulcy Abraham becomes so enthusiastic about a topic that her students' initial reaction is "wow, she really loves her job." Teachers that really have passion for what they are teaching help spark passion in the students.

Abraham, associate professor of civil engineering at Purdue for four years, said being at Purdue is her calling. "Teaching, research and service all together makes a nice whole for me," she said. Abraham's warm smile, positive attitude and high energy keep her students going for the entire class. "She is very enthusiastic, animated and enjoys what she is doing," said Zeid Haj-hassan, senior in the Schools of Engineering.

Abraham said when she can show the students that the topic is exciting and interesting, it reflects in the students' work. (Photo and story from the Purdue Exponent, August 28 publication.)

Doug Sutton has been part of the Civil Engineering faculty since 1961. He has positively impacted the lives of thousands of students over the last 42 years. What is classic about Professor Sutton's teaching style is that he expects nothing more from his students than he gives himself. He is dedicated to teaching, conscientious about his responsibilities to Purdue, pays extreme attention to detail and expects the same from his students.

He challenges his young civil engineers-to-be not only to do their best, but to push themselves to solve the most difficult problems. He does not accept excuses for poor work, but rather allows the students to build their self-confidence by completing rewarding assignments. (Photo from Journal and Courier, August 28, 2003.)

How a teacher has an impact on their students does not matter. What matters is that at Purdue there are numerous teachers who have had a profound impact on their students. Whether it is for their unique teaching style, or caring attention outside the lecture hall, the names and actions of those in the Book of Great Teachers will be remembered for years to come. Civil Engineering is especially proud to have 2 teachers of this year's 42 inductees to Purdue's Great Book of Teachers.
Purdue Takes Le Materials

It’s Happening Here!

PURDUE

BIG
Purdue University is already earning dividends on the new Robert L. and Terry L. Bowen Laboratory for Large-Scale Civil Engineering Research, a high-tech facility that was dedicated Friday, October 3, 2003. Even though the $57 million lab is brand new, word of the facility has circulated within the academic community. Purdue has been using it to attract top engineers — including the lab’s new director — specializing in research to make structures safer, more durable, longer-lasting and earthquake-resistant.

“Engineers will tell you that it’s often critical to test large structures because analyzing small-scale models doesn’t always yield precise information about how the full-size versions will perform in the real world,” said Purdue President Martin C. Jischke. “Now we have the world’s best engineering research facility.”
most modern, well-equipped lab for large-scale testing."

The dedication took place during a ceremony from 11 a.m. to 1 p.m. at the lab, located south of campus and just west of U.S. 231. Purdue alumnus Robert Bowen and his wife, Terry, provided a $3.25 million gift to the Purdue Research Foundation toward the new lab, which was built with private funding from about 50 donors. Robert Bowen earned a B.S. degree in civil engineering at Purdue in 1962 and later founded Bowen Engineering Corp. The company, located in Fishers, Indiana, focuses on municipal, utility, industrial and environmental construction. The Bowens live in Indianapolis.

"You spend a lifetime building a corporation, an organization, and work hard to make it a success," Bowen said. "When all is said and done, you consider it a privilege to give something back to the place where you gained the training and education that made it all possible."

"The new lab was a major factor in attracting its new director, Michael E. Kreger, a professor in the Department of Civil Engineering at the University of Texas, Austin," said Linda P.B. Katehi, the John A. Edwardson Dean of Engineering at Purdue. "The Bowen lab is a tremendous research tool and an educational gem," Katehi said. "It will attract top researchers, the brightest students, as well as public and private funding."

In August Kreger finished a three-year stint as director of UT's large-scale testing lab, the Ferguson Structural Engineering Laboratory, and has been at the university for two decades. He will join Purdue in January as a professor of civil engineering and director of the Bowen lab.

Fred Mannering, head of the School of Civil Engineering, said news is spreading all over academia that Purdue is opening the new structural facility. "There are some incredible people applying for open faculty positions," Mannering said. "It's an opportunity of a lifetime to work in a brand new lab of this scale with all the latest equipment. I think it's safe to say it will be the world's premier structural and materials testing lab."

About five other universities in the United States, including UT, have facilities that could be considered comparable to the Bowen lab but are not as modern as the Purdue facility. "The sky's the limit in this new building," Kreger said. "It creates tremendous opportunities for conducting ground-breaking research projects incorporating large-scale structural components"
“The sky’s the limit in this new building. It creates tremendous opportunities for conducting ground-breaking research projects incorporating large-scale structural components that more accurately represent actual structural behavior.” — Dr. Michael Kreger
The design and analysis of earthquake-resistant structures — this includes material and how structures respond to seismic events;

Design of secure structures and civil infrastructure, such as bridges, highways and other structures;

Analysis of the fire- and blast-resistance of structures and materials;

Structural health monitoring — the ability to detect damage and deterioration to schedule maintenance and eliminate catastrophic failures;

Multiple applications of new sensor and nano-technologies — to provide "intelligent structural systems" that improve the safety and durability of our nation’s infrastructure.

"A portion of the research in the new laboratory will be funded by the Indiana Department of Transportation and will be used to improve transportation infrastructure in the State — giving Indiana a significantly safer and more cost-effective transportation system," Mannering said.
This past spring, May 2 and May 3, the Purdue University Concrete Canoe Team competed in its second regional competition. Over fourteen Purdue ASCE members worked long hours to design and build a lightweight concrete canoe.

The 2003 Great Lake Regional Competition was hosted by the University of Evansville in southern Indiana and was sponsored by the American Society of Civil Engineers (ASCE) and Master Builders, Inc. The competition was broken into four main components: a technical design paper, an oral presentation, a final product score on the canoe, and the results of the canoe races. The canoe race competition was composed of several different heats. Despite a slight problem with the boat turning to the left, Purdue was able to place

- 1st Women’s Sprint
- 3rd Coed Sprint
- 3rd Women’s Slalom

These terrific finishes were able to help bring Purdue to a fourth overall placement in the Great Lakes Regional Competition. With this large improvement from the 2002 regional competition, where the canoe took on water at high speed and sank, Purdue is determined to make even more improvements in the 2004 regional competition and move on to the national championship.
Greetings from West Lafayette! It is indeed a privilege to be associated with Purdue University and the School of Civil Engineering. I have already been busy becoming acquainted with our faculty, staff and alumni. Thus far, besides traveling in Indiana, I have visited Chicago and Southern California. All Purdue alumni I meet are eager to learn more about the happenings at their school; they are intensely loyal and generous with their financial support.

After spending fourteen years in higher education development — seven of those at another land-grant institution, many alumni I meet are curious about my first impressions of Purdue. In many regards, the transition has been smooth, but two differences have made a major impression on me: this university, engineering at Purdue and the School of Civil Engineering are complex and just plain big. The other striking reality is that I am now serving a world-class institution.

This world-class quality, coupled with land-grant costs to students, makes me proud and honored to be representing the School. To provide access to all who have talent and are willing to work regardless of their financial means is, of course, a primary land-grant mission. I believe Purdue exemplifies this mission like no other institution.

So, what are our goals as we enter the fourth year of the biggest private fundraising campaign in Purdue's history? First, let me share with you what you, our alumni, have accomplished in the campaign's first three years. The Robert L. and Terry L. Bowen Laboratory for Large Scale Civil Engineering Research is indeed an impressive facility. We are so grateful to the many alumni, friends and corporations who have helped make this project a reality.

The School of Civil Engineering also has the first alumnus and alumna who have "stepped up to the plate" in response to the Bindley Challenge. We are so very proud of and grateful to Christopher B. and Susan S. Burke who have made the fourth endowed professorship in the School of Civil Engineering possible. It is the first at Purdue to be matched with the resources of Indianapolis entrepreneur and Purdue graduate, Dr. William E. Bindley.

Clearly, the focus of the campaign for Civil Engineering has been facilities and the completion of the Bowen Laboratory. With another $19.1 million left to be raised in the next four years to meet our overall goal of $33.7 million, our focus will turn to undergraduate and graduate scholarships/fellowships as well as endowments for faculty support.

In order to be the best of the best, the School of Civil Engineering must be able to attract and retain the brightest students as well as the most talented faculty. President Jischke's goal is to recruit 300 additional faculty to Purdue in the coming years while replacing those who retire. The only way for Purdue to compete for top talent with the heavily endowed private institutions is to offer top candidates endowed professorships. Funds from these endowments are used to enhance

In total, $14.6 million has been raised in the last three years in each of the following categories:

- Scholarships & Fellowships: $779,070
- Facilities: $9,085,061
- Faculty Support: $2,687,000
- Programs: $404,052
- Unrestricted: $1,666,034

FROM DEVELOPMENT

In total, $14.6 million has been raised in the last three years in each of the following categories:
the scholarly activities of the recipient and sometimes added to their compensation packages. Initially, funds from the professorship could be used to help with the start-up costs of a new recruit. Later, the recipient of the chair has access to a permanent source of funds that can be used for graduate student stipends, equipment, or other expenses that other funding sources may be unable to fund.

Dr. Mannering and I, as well as other members of our faculty, look forward to seeing you in the coming year. I hope to meet as many of our alumni as possible on an individual basis. My goal in these meetings is to increase or help strengthen your connection to your alma mater. I will listen to your thoughts and ideas on how to make the School of Civil Engineering at Purdue the best in the nation.

When the time is right, I hope to encourage your financial support for one of our priority areas or projects. There may also be a giving vehicle that would benefit you in your tax and estate planning. Whatever the case, I am grateful to be representing your alma mater. I am looking forward to meeting as many of you as possible in the years ahead.

Jim Brehm
Director of Development
**Faculty in the News**

During the June ASCE/EWRI annual meeting in Philadelphia, Jacques Delleur was presented the EWRI Type 2 Award for his guidance of the Task Committee on Cohesive and Non-Cohesive Sediment Movement in Storm Drains and successful completion of a dedicated issue of the Journal of Hydraulic Engineering on the same topic—published April, 2003.

Vince Drnevich has been elected chairman of the Civil Engineering Division of the American Society of Engineering Education (ASEE). He took office on June 24th when he completed a term as Vice Chair of the Division. As the Vice Chair, he served as chair of the Civil Engineering Division program at the 2003 Annual Conference that took place on June 22-25 in Nashville, Tennessee.

Dan Halpin has been elected to the National Academy of Construction (NAC). He was inducted into the Academy in Santa Fe, New Mexico on October 24, 2003. The Academy presently has 57 members who are the creme de la creme of construction professionals. Membership in the NAC is considered to be the equivalent for construction practitioners of selection to the National Academy of Engineering (NAE).

On January 1, 2004, Fred Mannering will assume the position of editor-in-chief of Transportation Research Part B: Methodological, an Elsevier Science Journal. He will take over from founding editor Frank Haight. Dr. Haight served as editor-in-chief for 37 years. The journal has the highest citation impact factor in the transportation field and the second highest impact factor among all civil engineering journals (second to the Journal of Hydrology).

Associate Professor Robert Frosch is one of a group of 30 dedicated members to be elevated to the rank of Fellow of the American Concrete Institute (FACI). He was recognized for his service during the Spring, 2003 ACI convention in Vancouver, British Columbia. Robert Frosch has been at Purdue for the past 6 years, where he has been active in both research and teaching, specializing in structural engineering.

**Assuming Additional Duties**

Garrett Jeong has been appointed Assistant Head for Facilities and Instruction. In this capacity, he is responsible for managing facilities and equipment resources and coordinating the teaching activities for the School. He has been part of our structures group since 1986. His areas of specialty include structural mechanics and applied information technology.

Darcy Bullock has assumed the role of Assistant Head for Graduate Programs. He is responsible for coordinating the recruitment, admission, and administration of the graduate program in the School of Civil Engineering. In the 2003-2004 year, the School admitted 83 new graduate students, bringing the total enrollment to 310. Bullock’s teaching, research and consulting interests are in real-time traffic control. He has been at Purdue since December, 1997.

Doug Sutton has been appointed LTAP (Indiana Local Technical Assistance Program), faculty coordinator and will work to promote and articulate the vision and mission of Indiana LTAP to all of its constituents. He is also the School’s delegated representative to the Technical Assistance Program (TAP). LTAP and TAP are important engagement activities in the Schools of Engineering. He has been with Purdue since 1963, his area of specialty is structural engineering.
Associate Professor Inez Hua was selected as a Faculty Fellow for the 2003 NASA Faculty Fellowship Program at Ames Research Center. This program sponsored faculty research during the summer at various NASA facilities. Of 150 awardees, Hua was one of only 26 invited to Ames. The fellowship program had 734 applicants.

Assistant Professor Phillip S. Dunston, civil engineering, has been awarded the National Science Foundation (NSF) Faculty Early Career Development (CAREER) grant for his research in "Mixed Reality Science and Technology for Architecture Engineering and Construction." Through the CAREER program, the NSF, in all areas of research that it supports, awards the most prestigious grants offered by any federal agency for untenured faculty. This program recognizes and supports the early career-development activities of those teacher-scholars who are most likely to become the academic leaders of the 21st century. Awarders are selected on the basis of creative career-development plans that effectively integrate research and education within the context the university’s mission.

Also currently working with NSF grants are Associate Professor Antonio Bobet and Professor Julio Ramirez "Performance Based Seismic Evaluation of Underground Structures”. This research investigates the failure of the Daikai subway station during the Kobe earthquake in 1995. The problem is relevant because the Daikai Station is the first underground structure not crossing an active fault that has collapsed during an earthquake.

Another NSF grant has enabled Antonio Bobet along with Vincent Drnevich and Marika Santagata to investigate "Soil Treatment with Thixotropic Fluids: An Autodaptive Design for Liquefaction Prevention". The objective of the work is to investigate the introduction of bentonite suspensions into fine sands to reduce the liquefaction potential of the soil. Liquefaction of sandy soils may occur during an earthquake and may cause severe damage or even failure to structures such as buildings, bridges, etc.

Vince Drnevich is also beginning work on another NSF project with a total budget of just over $200,000 and a two-year duration. The title of the project is Advance Analysis of Electromagnetic Waves for Intrinsic Soil Properties.” Professor Drnevich will work with Robert L. Nowack (Earth and Atmospheric Sciences) to investigate estimates of intrinsic soil properties such as water content, density, conductivity, specific surface area, and macroscopic soil fabric are being made by time domain and frequency domain analyses of Time Domain Reflectometry (TDR) signals from probes placed in the soil.
Dr. Monica Prezzi was born in Brazil in 1964. She holds an undergraduate degree in civil engineering from the Federal University of Rio Grande do Sul (UFRGS), awarded in 1986. She followed that with a period of work in the industry, during which she worked on several large construction projects, including power plants, metropolitan train stations and chemical plants. She then went back to graduate school, having obtained a Master of Engineering degree in geotechnical engineering from UFRGS in 1990, and both a Master of Science degree in geotechnical engineering and a Ph.D. in civil engineering materials/geotechnical engineering from Berkeley in 1995. This was followed by several years of work as a consultant on foundation engineering and foundation and structural repair. In 2000 she joined Purdue University as a lecturer.

New Faculty

New Staff

Chris Chow has joined our staff as web multimedia developer for the JTRP program. She will be developing static and dynamic web pages using different programming languages. Chris will also develop multimedia content as well as on-line training content. Chris graduated from Purdue University in May 2002, with a Bachelor of Science degree from the School of Chemical Engineering.

As an undergrad student she worked for two years with the JTRP Information Technology Initiative. During this time she was involved in developing and maintaining websites developed through JTRP projects and at the INDO Division of Research. Through this experience she has developed an extensive ability to develop dynamic and static web content and web programming through multiple programming languages. She also has extensive experience and skill in developing multimedia content as well as on-line educational content.

Ms. Irene Poyer is serving as lab manager and environmental analytical chemist with primary responsibilities to work with graduate and post-doctoral students for Professor Suresh Rao. Ms. Poyer moved here from the University of Florida, where she held a similar position for several years. She has a Bachelor of Science degree and will pursue a graduate degree while she is here at Purdue.

Joseph Fletcher has returned to Indiana LTAP after a five year retirement to serve as program manager for the new safety project at LTAP. The safety project involves identification of high-crash locations on local roads in Indiana, using a safety review team of experts to evaluate the types of crashes, developing countermeasures to alleviate the problems, and assisting the local agencies in obtaining funding for the projects. Joe worked as a research engineer for LTAP before his retirement and has extensive experience as a consultant, as well as having served on the faculties of Ohio University and at Purdue. Welcome back, Joe.
Categories of recognition for the staff awards are: Leadership, Customer Service and New Employee. Faculty recognition categories are: Advising, Engagement/Service, Mentoring, Research, Team, and Young Researcher.

Civil Engineering is proud to have two representatives from among our staff honored at the Engineering Staff Recognition Banquet November, 2002, and one faculty member honored at the Engineering Faculty Recognition Banquet in March, 2003.

Of the nine staff members honored, those from the School of Civil Engineering were Karen Hatke, Joint Transportation Research Program Coordinator and Linda Higgins, Undergraduate Office Administrative Assistant, each of whom received the Customer Service Award in recognition of their outstanding service to their respective constituencies. In particular, Karen Hatke was noted for her exemplary service to external customers through her coordination of Purdue’s annual Road School and her contact with INDOT and the Indiana Department of Environmental Management. One peer commented on her “superb professionalism combined with grace and friendship.”

Linda Higgins was cited as being “unfailingly friendly and helpful to all those she encounters” as she serves as the School’s primary point of contact for the undergraduate student population. The variety of Linda’s duties also brings her into repeated contact with faculty, staff, alumni and prospective employers. She received unqualified support for the award from each of these groups.

John T. Gaunt, Associate Professor of Civil Engineering, was granted the Advising Excellence Award for his efforts as associate head of Freshman Engineering and director of advising. A 35 year veteran of Purdue, Prof. Gaunt has influenced thousands of students as a “thoughtful, patient and experienced” professor and advisor. He organizes registration for approximately 1600 freshman students each year and personally attends to all transfer students into Freshman Engineering. He also coordinates the orientation and career development courses offered by the department.
Two Recent Ph.D. Graduates Supervised by Dr. Srinivas Peeta, Associate Professor of Civil Engineering, Won International Best Dissertation Awards This Year

Dr. Jeong W. Yu was awarded the 2002 Eric Pas Award for the best dissertation in Travel Behavior Research by the International Association for Travel Behavior Research (IATBR) at their 10th International Conference in Lucerne, Switzerland, in August 2003. The dissertation is titled Deployable Hybrid Probabilistic-Possibilistic Driver Route Choice Models for Real-time Network Control using Information Provision Strategies (completed in December 2002). This award is the most prestigious honor for doctoral dissertations in the Travel Behavior arena. The five-member Award panel for 2002 consisted of professors from Australia, Britain, Canada, Netherlands, and Sweden. The citation by Dr. Tommy Garling, Chair of the Award panel, when presenting the award states: “...work that makes fundamental contributions to advance the field of travel behavior research, and is methodologically flawless to the extent that research can be...”

Dr. Chao Zhou was awarded the 2002 Pikarsky Award for the best dissertation in the Science and Technology category by the Council of University Transportation Centers (CUTC). The awards ceremony took place in conjunction with the 2003 Annual Meeting of the Transportation Research Board in Washington, D.C. in January 2003. The dissertation is titled “Stochastic Dynamic Traffic Assignment for Robust Online Operations Under Real-time Information Systems” (completed in May 2002). The CUTC series of awards recognizes individuals for their work in the transportation arena in policy and planning, or science and technology.

Joint Transportation Research Program Paves a Way for Better Highways

Transportation related research has always been a major activity within the Schools of Engineering. The Indiana legislature recognized the value of research in building and improving roads as far back as 1937. That was the year the Joint Highway Research Project (JHRP) was created as a cooperative research endeavor between the then Indiana State Highway Commission and Purdue University. Authorized by state statute on March 11, 1937, JHRP’s functions were mandated as follows:

- make basic studies of materials used in highways;
- facilitate economical design, construction, and maintenance of county and state highways;
- investigate traffic, safety, and other items as desired and agreed upon;
- provide advanced instruction in the fundamentals of highway engineering and related research; and
- provide practical experience in construction and maintenance procedures in the use of highway materials.

Since its inception, JHRP has continuously conducted meaningful research and relevant extension activities in accordance with its goals. Today it is a national model for the successful partnership of government, academia, and the private sector, combining their efforts in a mutually rewarding research program.

Over the years the state highway agency evolved into the Indiana Department of Transportation (INDOT) as its mission changed to encompass all modes of transportation. To align itself more fully with INDOT’s mission, JHRP’s name was changed as well, in July of 1993, to the Joint Transportation Research Program (JTRP), thus enabling a broader range of research at INDOT’s disposal. Over the last three years JTRP has seen significant growth under the leadership of Professor Kumares Sinha, the Olson Distinguished Professor of Civil Engineering and Advisory Committee Chair and Chief Engineer of INDOT, Richard Smutzer.
1933 »
John D. Martin (BSCE ’33), Austin, TX—
John is a retiree from Owens Illinois after
19 years of service. He was Plant Engineer
for the research center of Owens Illinois.

1940 »
Howard McKenney (BSCE ’40),
Bloomington, IN—After receiving his
BSCE from Purdue in 1940, Howard was
employed by AM Strauss in Fort Wayne, IN.
As the youngest licensed architect in
Indiana in 1942-’44 he worked for Corps
of Engineer. In 1944-’52 he opened up his
own office in Bloomington, IN. Designed
seven churches, four schools, I.U. service
building, I.U. School of Optometry, frater-
ity houses, three banks, a school adminis-
tration building, newspaper plant and
many others. In 1961-’82 he worked with
AECON Engineers in Nashville, IN and
in 1963-’84 he worked for the City of
Bloomington as a utility engineer. Howard
has three children, six grandchildren and
four great-grandchildren.

1947 »
Ernest J. Koestering, Jr. (BSCE ’47),
St. Louis, MO—Ernie honored his wife,
Dee Koestering, of 49 years in 2002. Dee
passed away August of 2001 and now Ernie
donated 9.5 acres of land, Meramec
Highlands Quarry/Dee Koestering Park
which is to open to the public in the fall.
The park is undergoing a cultural resource
survey due to identifying many significant
archaeological areas that are in the site.
This survey has been important to the
history of the area as they research the
quarry. Many of the stones used for the
1904 World’s Fair came from this park.

1949 »
Elliot Bausk (BSCE, CE ’49), Newark,
DE—Elliot is a retiree from the Chicago
Bridge and Iron Ltd. in the European/
MiddleEast Division out of London,
England. He is a registered PE in the
state of DE and had 37 years with the CBI.
He served in the United States Air Force,
active and inactive reserve for a total of
22 years. He served in the USAAC in World
War II as an instructor pilot in instruments
and in the USAF in Korea from 1950-1953
as a pilot in F-84s.

1950 »
Gene Barrett (BSCE ’50), Anderson, IN—
Gene has retired from his position as a
staff engineer at GMC. He has a Profes-
sional Engineering License in the state
of Indiana.

1954 »
Richard Knight (BSCE ’54), Barnstable,
MA—Richard retired in 1996 but remains
active. He is a qualified Locomotive
Engineer, running scenic and dinner
trains for the Cape Cod Central Railroad.

1955 »
David Churchman (BSCE ’55), Indianapolis,
IN—Dave is a PE in the state of Ohio but is
currently in sales and marketing of printing
supplies, a semi-retirement business he
purchased in 1992. He spent some time
in North Africa with the 329th Engineers
running 1st and 3rd order triangulation
between Egypt and Tunisia. He and his
wife, Charlene, have been married since
1959. They have four children and a grand-
son who was born on February 14, 2003.

1956 »
Albert Sanborn (BSCE ’56), Louice Grove,
VA—Albert is now retired but remains
active as the President of the Lake of the
Moacyr Schwab de Souza Menezes (MSCE '57), Salvador, Bahia/Brasil—Moacyr is an independent consulting engineer. He is also a member of the ASCE. Moacyr has two granddaughters, Milena and Lais.

1952 »

Vladimir P. Wagner (BSCE '52), Waite Park, MN—Vladimir is a member of the ASCE. He has active retirement responsibilities. He is a member of the ASCE.
is a registered nurse and their son, Brett, is a sophomore at the Colorado State University.

1976

Mihir Baran Roy (PhD CE ’76), Calcutta, West Bengal, India—Worked as principal foundation engineer for major industrial projects. Projects included steel plants, super thermal power plants, water retaining structures, highways, road and rail bridges, port facilities, oil refineries and industrial structures. Worked for M/s. M.N. Dastur & Co. as a consulting engineer and was a general manager for Indian operations for a joint venture company with FUGRO of The Netherlands. Mihir is currently a consulting geotechnical engineer in Salt Lake City, Calcutta. Mihir and his wife, Kumkum, have been married for 25 years and have two daughters.

1978

Patricia D. Galloway (BSCE ’78), Seattle, WA—Patricia is the CEO and President of the Nielsen-Wurster Group of Princeton, New Jersey. She is the first woman to be elected as the President of the American Society of Civil Engineers (ASCE) in its 150 year history.

1979

Thomas Orisich (BSCE ’79), Phoenix, MA—Thomas is the Senior Vice President and a Professional Land Surveyor at Whitney, Bailey, Cox, and Magnani in Baltimore, Maryland. He is the former chairman of the Baltimore Chapter of the Maryland Society on Surveyors and Committee chairman of State legislation for MSS. Thomas was appointed to the Maryland State Board of Professional Land Surveyors and is a current member. He also has membership in the N.C.E.E. S.

1980

Don Bixby (BSCE ’80), Kewanee, IN—Don has accepted a position as a Consulting Engineer at Territorial Engineering, LLC in Walkerton Indiana.

James L. McKinney (BSCE ’69, PhD ’80), Terre Haute, IN—Jim was awarded the Indiana Civil Engineer for 2003 at the Indiana Section’s Annual Meeting in West Lafayette on April 3, 2003. As Chrm/Professor in Civil Engineering at Rose-Hulman Institute of Technology, Dr. McKinney has contributed greatly to the profession. Jim is active in ASCE, the Asphalt Quality Assurance Program, which he established to benefit the paving
industry and the Indiana Department of Transportation, along with the Seavyville Methodist Church and Boy Scouts of America. He received the prestigious “Segarman of the Week” award (from the then Governor Evan Bayh) for his public service. Jim and his wife Melody have two children, Jennifer and James.

Mark Ringenberg (BSCE ’80), Albany, IN—Mark took a position in the US Army Corps of Engineers as a Cost Reimbursement Program Administrator in Louisville, Kentucky.

1982 »
Jeffrey Pearl (BSCE ’82), Wisconsin Rapids, WI—Jeffrey is the President of the Pearl Engineering Corporation. Pearl was started in 2000 and is a multi-disciplined engineering consulting and project management firm, specializing in the power, pulp, and paper industries. The Corporation has six senior level and highly experienced engineers with offices in Wisconsin Rapids and Stevens Point, Wisconsin.

Dale Willis (BSCE ’92), South Bend, IN—Dale has accepted a position as a Civil Engineer for the Lawson-Fisher Associates, PC in South Bend, Indiana.

1983 »
Bradley Edward Brink (BSCE ’83), Mokena, IL—Bradley is the President of Brink Engineering which was formed in 1999 and serves a variety of clients in Northeast Illinois. He is a licensed PE in Illinois, Indiana, and Michigan. Mr. Brink was recently named the recipient of the Chicago Southland Chamber’s 2003 Entrepreneur of the Year Award.

1984 »
Mark A. Miller (BSCE ’84), Yorktown, IN—Mark has been promoted to Chief of Materials & Test Division with the Indiana Department of Highways. After graduating from Purdue he worked seven years in Greenfield Construction as a project engineer and has been the Greenfield District testing engineer for over ten years. He received his MBA from Ball State University in 2000.

1986 »
Todd Sylvester (BSCE ’86), Gillette, NJ—Todd is the President of RST Warehouse and Distribution Corporation. He is thankful for the preparation he received at Purdue for the challenge of running the business he started with his father. Todd and his wife have two sons.

1987 »
James Kirk (BSCE ’87), Crown Point, IN—James is the Vice President of Engineering Services at Empact Engineering Inc. in Merrillville, Indiana. He is the founding partner of Empact Engineering (2000) and a founding member of the Indiana Structural Engineers Association (2000).

1988 »
David Reuter (BSCE ’88, PhD ’92, MD ’94), Bothell, WA—David is Co-Founder and Chief Medical Officer at Cardive Dimensions, Inc., in Kirkland, Washington. He is also an Attending Physician with the Seattle Children’s Hospital. He credits Purdue for some of the founding principals that made it possible for him to design a heart failure device that he is very proud of. David and his wife, Amy (BSFS ’93) have two children, Sarah (5 yrs. old) and Thomas (3 yrs. old).

1990 »
Carlos Cornejo (BSCE ’90), Lima, Peru—Carlos is the Division President for Construction Financial Services in at the Banco de Credito del Peru. Carlos and his wife, Angie, have been married since 1995 and have two sons, Sebastian and Fabricio.

1991 »
Antonio A. Gonzalez-Quevedo (PhD ’91), Mayaguez, Puerto Rico—Antonio was recently named the Director of the Office of Institutional Research and Planning at the University of Puerto Rico under the Chancellor of the University. Previous to this position, he was elected by his peers to represent them on the Board of Trustees, the University Board and the Administrative Board on the Mayaguez Campus of the University of Puerto Rico.

1993 »
Amy Barth (BSCE ’93, MSCE ’94, PhD CE ’98), Morgantown, WV—Dr. Barth has been a bridge engineer with SAI Consulting Engineers (Pittsburgh, PA) since obtaining her PhD from Purdue. She has been involved with numerous design feasibility studies and final design projects in West Virginia and Pennsylvania. She is a member of the ASCE-SEI Technical Committee on Fatigue and Fracture. Dr. Barth received her professional engineers license in West Virginia in 2001 and was recently promoted to Project Engineer with SAI Consulting Engineers.

Yaman Kocasinan (BSCE ’93), Istanbul, Turkey—Yaman earned his MBA degree from the Hase School of Business at the University of California at Berkeley in May 2003. He is returning home to Istanbul where he will operate his own construction company. He hopes to hear from the class of 1993. Yaman’s email address is yaman_kocasinan@yahoo.com.

1994 »
D. Paul Lincks (BSCE ’94), Palmyra, IN—Paul is a Professional Engineer at JWA/HMB of Environmental Affairs at U.S. Steel’s Midwest Plant in Portage, IN.

1996 »
Susan Gonzalez-Kohlis (BSCE ’96), Hobart, IN—Susan became the Manager of Environmental Affairs at U.S. Steel’s Midwest Plant in Portage, IN.

Steven Gustafson (BSCE ’96), Coatsville, PA—Steve is the Business Unit Manager for Synthes USA in West Chester, Pennsylvania. CE would like to congratulate Paul on the birth of his daughter, Bailey Grace Lincks on October 5, 2002.

2002 »
David Reuter (BSCE ’02), Seattle, WA—David is a Risk Consultant at American Specialty where he is a member of a team that evaluates the insurability of sports and entertainment complexes around the country. His professional engineering experience provides a unique perspective to the evaluations.

2004 »
Yaman Kocasinan (BSCE ’04), Palmyra, IN—Yaman earned his MBA degree from the Hase School of Business at the University of California at Berkeley in May 2003. He is returning home to Istanbul where he will operate his own construction company. He hopes to hear from the class of 1993. Yaman’s email address is yaman_kocasinan@yahoo.com.

1999 »
John Nelson (BSCE ’99), Roanoke, IN—John is a Risk Consultant at American Specialty where he is a member of a team that evaluates the insurability of sports and entertainment complexes around the country. His professional engineering experience provides a unique perspective to the evaluations.

2001 »
Carlos Cornejo (BSCE ’01), Lima, Peru—Carlos is the Division President for Construction Financial Services in at the Banco de Credito del Peru. Carlos and his wife, Angie, have been married since 1995 and have two sons, Sebastian and Fabricio.

2002 »
Antonio A. Gonzalez-Quevedo (PhD ’02), Mayaguez, Puerto Rico—Antonio was recently named the Director of the Office of Institutional Research and Planning at the University of Puerto Rico under the Chancellor of the University. Previous to this position, he was elected by his peers to represent them on the Board of Trustees, the University Board and the Administrative Board on the Mayaguez Campus of the University of Puerto Rico.
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Contractor for FCL Builders, Inc. FCL has

Navy Officer, in Texas.

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Peace Lutheran Church Leadership Board.

Foundation Board and the President of the

Committee, Berkley Schools Education

Humanity, Technical High School Education

is involved in the non-profit cooperative

Directors for Detroit Works Partnership and

Engineering Society of Detroit, Board of

Engineering Advisory Committee, chair of

the A. Philip Randolph Career, chair of the

Workforce Development Committee of the

Great Lakes Construction Alliance, Engineering Society of Detroit, Board of

Directors for Detroit Works Partnership and

is involved in the non-profit cooperative

homebuilding efforts of Detroit’s Habitat for

Humanity, Technical High School Education

Committee, Berkley Schools Education

Foundation Board and the President of the

Peace Lutheran Church Leadership Board.

Don and his wife Marilynn, married now

35 years, are enjoying traveling. They have

a daughter, Debbie, who is a high school

teacher and lives with her husband, a U.S.

Navy Officer, in Texas.

Derek Sper (BSCE '95), Glendale Heights, IL—Derek is a project Manager/General

Contractor for FCL Builders, Inc. FCL has become one of the premier commercial

builders in the Chicago area and focuses

primarily on multi-story offices, warehous-

e, distribution centers, industrial manufac-

turing, and food processing. FCL received

the Contractor of the year award in 1999

from the American Subcontractor

Association, and many of their projects

have received Project of the Year Honors

from the city of Chicago.

1997 »

Cheryl Jung (BSCE '97), Lafayette, IN—

Cheryl is a Project Engineer at ATC

Associates, Inc. in Indianapolis, Indiana.

She recently negotiated closure through

the Indiana Department of Environmental

Management Voluntary Remediation

Program for a waste disposal client.

Congratulations on the birth of your son,

Colton Anthony, on August 23, 2002.

Theresa L. Silver (BSCE '97), Indianapolis,

IN—Theresa graduated from Valparaiso

University School of Law in December

2000. She is currently an attorney at Oyde

E. Williams & Associates in Indianapolis.

Congratulations to Theresa and Michael

(BSCE '96) on the birth of their son,

Adam Michael, on November 28, 2000.

Jeffrey D. Pizanti (BSCE '97), Norfolk, VA—

Jeff just completed a six month deploy-

ment to the Mediterranean and Arabian

Gulf August 2000. He is preparing for a

three year shipyard and reactor refueling.

1998 »

Roderick Hughes (BSCE, '98), Indianapolis,

IN—Roderick is a consultant with

Accenture. Mr. Hughes would like to

announce the birth of his son, Aidan

Malachi Hughes on January 2, 2002.

1999 »

Christian Woods (BSCE '99), Long Branch, NJ—Christian earned a Masters Degree in

Geotechnical Engineering from Virginia

Tech in 2002 and has membership in Chi

Epsilon. He is a senior staff engineer at

Langan Engineering in Elmwood Park,

Illinois.

Cherri M. Langan (PhD '99), Elmhurst,

IL—Cherri received her PhD in Geotechnical

Engineering this past summer and is now

a faculty member at Illinois State

University, Normal.

2000 »

Alicia Robin Hightower (BSCE 2000),

Romeoville, IL—Alicia took a new position

at the Village of Downers Grove as a

stormwater management engineer in

Downers Grove, Illinois.

Chen Mum Tham (BSCE 2000),

Singapore—Chen took a position as

transport planner for the Land Transport

Authority in Singapore. He is involved in

identifying and developing new road and

rail infrastructure projects while accessing

community benefits and economic per-

formance in fast-paced Singapore. Chen

also develops transport network improve-

ment proposals, forecasts travel demands

and public transport patronage estimates.

2001 »

Thomas A. Spriggs (PhD '91), Valrico, FL—

Thomas received the Don Bloodgood

Award and graduated with his PhD

summer of 2001. He is currently with

CH2M HILL in Tampa, Florida.

2003 »

Ryan Hobschman (MSCE '93), Tallahassee,

FL—Ryan took a position as a traffic

engineer at H.V. Lodner.

Amy Piakorowski (MSCE '93), Tallahassee,

FL—Amy took a position at Figg Bridge

Engineers as an entry level bridge

engineer.
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Jeffrey Evans, Lebanon, PA
Robert & Mary Erwin, Knoxville, TN
Gregory Evenski, Cincinnati, OH
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The School of Civil Engineering Scholarship and Awards Ceremony was Held on May 1, 2003 in the CE Building.

Many students received scholarships, fellowships and awards. Faculty members were also recognized for awards they received that are voted on by the student body.

■ The Civil Engineering Awards Committee Chairperson, Professor Tim Whalen, was the Master of Ceremonies. Dr. Mannering congratulated each recipient.

■ Donors present were Mrs. Pai Tao Yeh, Mrs. Dorothy Goldberg, Mr. James DePhillips, Mr. Gui DeReamer, (representing Greeley and Hansen) Professor Emeritus Bob Miles, Professor Emeritus Leonard Wood, and Professor Emeritus Jacques Delleur.

Faculty and staff members were also on hand to congratulate the awardees.

■ A reception followed with refreshments.

■ Some highlights of the event are shown on the next few pages.
CE/LSE students receive awards.


ALBERT J. HORTH MEMORIAL SCHOLARSHIP ENDOWMENT Virginia Christian, Teresa Dallinger, Kathryn Crabtree-Neer, Jesse Valencourt, Dan Calabrese, Tim Aldridge, Elijah Welch

ROBERT D. AND MARGARET J. MILES CE SCHOLARSHIP Presented to Jennifer Baran by Professor Emeritus Robert Miles.

Jarvis Jointer received the MAMON M. AND CYNTHIA R. POWERS ENGINEERING SCHOLARSHIP (not shown: Darnell McCoy)

ROY E. AND MYRNA WANSIK CE/CARY QUADRANGLE SCHOLARSHIP Jesse Valencourt and David Delong

Professor Emeritus Leonard Wood presents the CHI EPSILON MARGARET AND LEONARD WOOD LEADERSHIP AWARD to Geoffrey Henggeler. Geoff also received the Outstanding Senior Award from the Purdue Student Engineering Foundation.

Matthew Speicher received the MYRTLE FORD TOMPT AWARD.

TONY CLARK SCHOLARSHIP Lindsay Miller, Laura Jacobs, Teresa Dallinger, Matthew Pierce, Guy Mazzotta, David Delong, and Daniel Calabrese

PAI TAO YEH SCHOLARSHIP Presented by Mrs. Yeh to Man Ho Wong.

O. M. AND VIRGINIA FOXWORTHY SCHOLARSHIP Yosephine Kie and Lindsay Miller (not shown: Jennifer Bain)

CE SCHOLARSHIP Guy Mazzotta, Matthew Kilgour, Laura Jacobs, Jessica Squires, Tim Healy, Matthew Speicher, Jason Beck (not shown: Aaron Evans)
Graduate Fellowships

Naressa Cofield received the MARTHA DICKS STEVENS AWARD.

ROSS FELLOWSHIP
Lili Akin
Xuejun Li
Bhupesh Mital
Alexander Paz
Dawn Whitaker

Purdue Fellow
Zakia Parrish
Justin Sampson

Lynne Fellowship
Sybil Sharvelle
Kelly Pennell

Andrews Fellowship
Isaac Wait
Jen-Yu Han

General Electric Faculty for the Future Fellowship
Jhon Paul Smith

Other Scholarships Awarded

Greenberg Scholarship
Khai Leong

Kleasen Freshman Scholarship for Pre-Civil Engineering Students
Lauren E. Hurst
Darnell McCoy

Harold E. Rein Society of American Military Engineers Scholarship
Joseph Valintis
Jonathan Lauer

John R. Blanford Memorial Award
Juan Carlos Ramirez

Environmental Honor Award
Man Shi Low

Martin J. Guitzwiller Memorial Scholarship
John M. Mayer
George Daniel Williams

ASC/Indiana Fabricators Association Scholarship
Mark Frossard

Edward J. Cox Memorial Transportation Scholarship
Jessica LeRoy
Stacey Hodge

Bevon B. and Margaret Ward Lewis Scholarship
Brent E. Giesen
Phillip J. Hurst
Thomas Konopka
Rebecca M. Lattyak

Other Scholarships Awarded

Greenberg Scholarship
Khai Leong

Kleasen Freshman Scholarship for Pre-Civil Engineering Students
Lauren E. Hurst
Darnell McCoy

Harold E. Rein Society of American Military Engineers Scholarship
Joseph Valintis
Jonathan Lauer

John R. Blanford Memorial Award
Juan Carlos Ramirez

Environmental Honor Award
Man Shi Low

Martin J. Guitzwiller Memorial Scholarship
John M. Mayer
George Daniel Williams

ASC/Indiana Fabricators Association Scholarship
Mark Frossard

Edward J. Cox Memorial Transportation Scholarship
Jessica LeRoy
Stacey Hodge

Bevon B. and Margaret Ward Lewis Scholarship
Brent E. Giesen
Phillip J. Hurst
Thomas Konopka
Rebecca M. Lattyak
CHAPPELLE FELLOWSHIP
Alison Dolejs
Troy Larkins
Matthew Cushman

OUTSTANDING SENIOR AWARD –
Graduate Purdue Student Engineering Foundation
Sravanthi Konduri

EDGAR B. OLSON FELLOWSHIP awarded to Joan O’Brien and David Geier.

Rahul Sinha received the WILLIAM L. WOOD JR. FELLOWSHIP.

Teaching Assistant Awards

ESTUS H. & VASHTI L. MAGOON OUTSTANDING TEACHING ASSISTANT AWARDS
From Left: Dimitrios Loukides, Chiung-Shiuan (Sherry) Fu, David J. Mehl, James Swift, Andrew Nichols

NELLIE MUNSON OUTSTANDING TEACHING ASSISTANT AWARDS
Chad Fox
Aaron Braun

If you are interested in establishing a Scholarship in the School of Civil Engineering, please contact Jim Brehm, CE Director of Development, at 765.494.2236
THE NEXT STEP

The ever-increasing need for highly trained engineers will require a significant investment for us all to ensure the ability to meet the challenges of the 21st century. I am fortunate that the Elizabeth & Stephen Bechtel Jr. Foundation has the means and now the opportunity to support Purdue’s effort to fulfill this mission. — Stephen Bechtel Jr. 

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Professor and Head
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