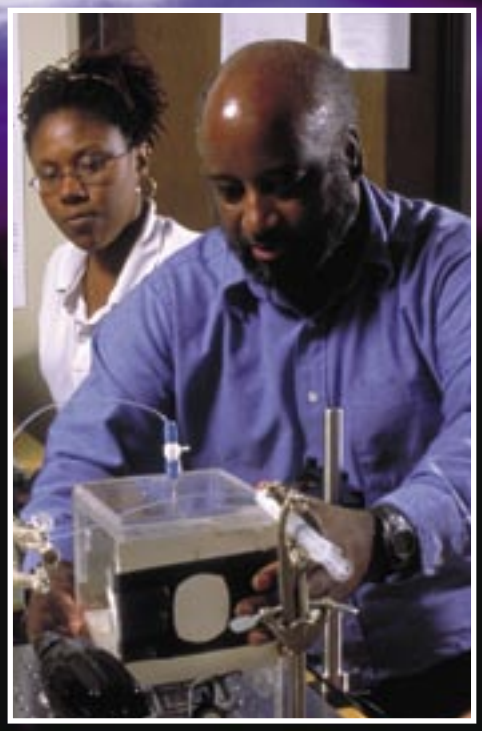
The Campaign for PURDUE

School of CHEMICAL ENGINEERING



ChE: Champions of Excellence—To The Next Level

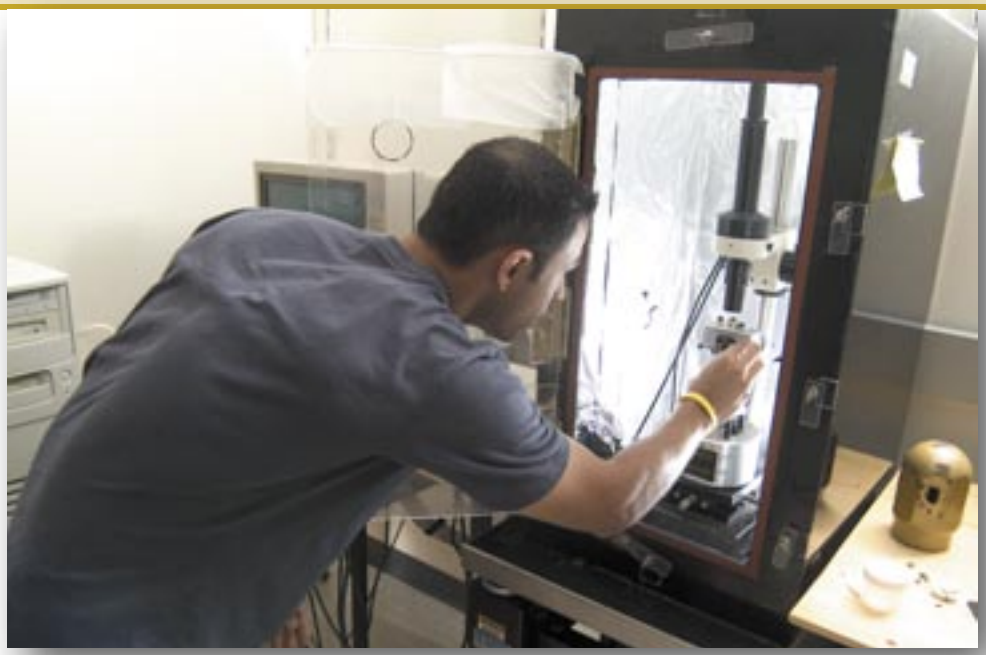
The School of Chemical Engineering (ChE) has a vision: to continue to be recognized as the premier source of well-educated and well-prepared chemical engineers in the world. The school's strategic plan, developed in cooperation with the university administration, the school's industrial advisory council, faculty, and students, supports this vision. It challenges students to develop their intuition about chemical engineering phenomena through hands-on experimentation, seeks to enhance student learning through educational innovations, and encourages collaborative student and faculty learning and research activities. The plan's success requires significant investments in talented people and facility enhancements.

The school has made significant progress toward realizing its vision. In October 2000, we launched a capital campaign, ChE: Champions of Excellence, with the objective of raising private funds to build an addition, modernize laboratories and classrooms in the Chemical Engineering building, and purchase high-performance scientific equipment. Many ChE alumni, friends, and corporate investors responded enthusiastically, and their gift commitments of $25 million were allocated to build the ChE Addition, and initiate renovation of the current building.

The school celebrated this milestone in October 2004 when it dedicated the new Forney Hall of Chemical Engineering. The 100,000 sq. ft. Addition doubles ChE's facilities. This unprecedented progress is launching the school into a future with new and modernized facilities, faculty growth and development, and student recruitment and retention opportunities.

The Addition is an important step in the school's comprehensive plan, but it is only the first. To continue the process of facilities, improvement and integration, and to secure funds for students and faculty development and growth, the School of Chemical Engineering is engaged in a comprehensive fundraising effort as part of *The Campaign for Purdue.*

Chemical Engineering



The The School of Chemical Engineering is at the most decisive and exciting moment in its history. We have the opportunity to move chemical engineering education and research forward in unprecedented ways. The impact of private support on our school has been demonstrated resoundingly. Now, we are pleased to invite you to initiate, renew, and continue your support. Your gifts will provide resources to recruit the best students and faculty and to create an exciting teaching and research environment. Together, we will lead the chemical engineering profession along innovative technology paths in teaching and research.

Arvind Varma
R. Games Slayter Distinguished Professor
Head, School of Chemical Engineering

Facilities and Equipment

CHE BUILDING RENOVATION AND LABORATORY EQUIPMENT

Integral to ChE's overall expansion project is the modernization of the old building, especially the laboratories and associated spaces. In addition, purchases of instructional laboratory equipment for the new and unique Fundamentals Laboratory for increasing hands-on learning in the undergraduate courses, and the Advanced Laboratory—where students learn how to do research—are necessary to implement the basic and more advanced experiments. Renovations and laboratory purchases will be an investment in the school's signature technology areas, improve student services activities, and integrate the chemical engineering learning and research environment of the original building with the newly constructed ChE Addition.

With the recent addition to Forney Hall the school, for the first time in decades, has the space to grow with new lecture facilities, along with bioengineering, catalysis, and nanoscience research laboratories. However, nearly 50 percent of the space for the School of Chemical Engineering remains in the original part of Forney Hall, constructed in 1940. Nearly 65 percent of the faculty, staff, and graduate students will continue to have their offices and research laboratories there. Although there has been some limited remodeling of this space, it is critical that most of the existing space be substantially upgraded for the School of Chemical Engineering to continue in its leadership position in the profession.

Key Features of the School of Chemical Engineering's Renovation Project:

CHE BUILDING RENOVATIONS

The Forney Hall Renovation Project will include the following elements:

- Research laboratories for polymers, systems, separations, particulates, fluid mechanics, and advanced materials will all remain in the original part of Forney Hall. Many of these laboratories have not been upgraded in 30 years, are inadequate for modern engineering research, and will be remodeled.
- Nearly 20 staff and faculty members, along with 100 graduate and undergraduate students working on research projects, will have offices in the original part of Forney Hall. The remodeling project will refurbish the office space and bring high-speed fiber optic telecommunication connections into each office.
- A large conference room with seating capacity for 50 people and state-of-the-art communication and presentation capability will be designed. Two smaller conference rooms will each accommodate 20 people. These rooms will provide much needed space for various meetings of the faculty, staff, and students.
- The undergraduate office, where administrative and counseling activities occur, will be redesigned to better enhance student services. The graduate office, where recruiting and administration of the graduate program occurs, is currently located in several disjoint offices. The project will bring all the functions associated with the graduate program to one efficient location.
- The main office complex, including the offices for the head and associate head, central administrative staff, and a reception area, will be redesigned. This facility is essential for more efficient administration as the school grows in size.

Chemical Engineering

Faculty

The school seeks to endow professorships for senior and promising mid-career faculty, research assistantships, and support for newly recruited faculty, and visiting professorships which bring experts in specialized areas to the school for educational activities that further enrich the ChE's already dynamic educational and research environment. Additional resources will allow Purdue ChE to remain on the forefront of emerging technological advances, providing the leadership necessary to maximize the potential of new funding and research opportunities. Several additional factors create a pressing need for increased endowment support, including increasing faculty size and diversity, and replenishing faculty talent to meet expected retirements. Attracting and retaining top faculty with endowments for distinguished and named professorships are critical to such initiatives.

"For a thriving academic culture, faculty quality must be sought, valued, and recognized during the developmental as well as the maturation phase of faculty careers. Furthermore, the academic environment must be constantly refreshed with visitors of high quality."

- **Doraiswami Ramkrishna**
  Harry Creighton Peffer Distinguished Professor of Chemical Engineering and Associate Head.

"The School of Chemical Engineering has a reputation of pre-eminence supported by top-notch graduate students performing high quality research. Integral to this success is the funding the school receives for graduate fellowships, which attract other high-caliber graduate students and allow the school to remain on the cutting edge of technology while continuing its tradition of excellence."

- **Charles W. Schaffer**
  Graduate Student Organization President

"I believe a Purdue education is of tremendous value. A chemical engineering education is a lifelong investment that, without scholarship assistance, is out of reach for many. Scholarships can help attract and retain the most academically outstanding students and make a Purdue education possible for the many deserving students who need financial help."

- **Adam Slaboski**
  2005-06 *President, AIChE Student Chapter*

Students

The School of Chemical Engineering enrolls top-quality students with diverse backgrounds in its graduate and undergraduate degree programs. Each year, the school is among the top three schools in BS degrees and among the top five in graduate degrees awarded. Purdue ChE graduates continue to be among the best in the College of Engineering and become leaders in the chemical engineering profession. To continue to recruit a diverse student body of exceptional caliber, the school seeks funds for fellowships and scholarships to recruit, recognize, and reward these outstanding students.

Chemical Engineering

Programs

ChE has numerous affiliated programs and centers. Additional centers will need to be created as the school's research portfolio continues to expand. The centers provide a focus for research and dissemination activities and will play a key role in achieving the ChE's educational and research goals. With more funds, we can expand, coordinate, and integrate the research conducted by the school's affiliated centers, institutes, and organizations to improve the overall visibility and impact of our work.

Unrestricted Funds

Flexibility to meet the needs of chemical engineering students and faculty in a timely manner is critical to the school's ability to deliver a high-quality education and maintain a dynamic research environment. Unrestricted funds ensure that the school has resources to partner in cost sharing, matching grants faculty receive through nationally competitive grant programs and funding agencies, or matching university funds as part of faculty research start-up packages. Unrestricted funds provide resources to recruit and retain students from underrepresented populations, provide mentoring activities for all ChE students, and ensure that laboratory experiments and up-to-date software licenses are available. All of these activities require flexibility and immediate response from the school's administration to continue to advance our quality teaching and research environment. To continue its tradition of excellence, flexible funds made available through unrestricted grants are important to the school.

"State-of-the-art laboratory facilities are the tools that allow students to understand and work at the research and development frontiers and to create the best engineering solutions to today's problems. We want employers to expect Purdue students to be technology leaders. Students need hands-on experience at the cutting edge of technology to be able to deliver."

■ **Chelsey D. Baertsch**
Assistant Professor

Capital Campaign Committee

Robert and Marilyn Glenn Forney, both BSChE '47, Campaign Honorary Chairs

Richard Hazleton, BSChE '64, MSChE '66, Chair
Richard H. Grabham, BSChE '70
Deb Grubbe, BSChE '77
Susan Hardman, BSChE '83
Jeffrey L. Hemmer, BSChE '80
Philip Krug, BSChE '52
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Michael Ramage, BSChE '66 MSChE '69, PhdChE '71
David Rea, BSChE '62
Rick Roberts, BSChE '76
James F Schorr, BSChE '54
William E. Smith, III, BSChE '69

School of Chemical Engineering needs

HIGHEST PRIORITY

Building Renovation: $5 million

- Funds needed to complete renovation of the old ChE building

OTHERS

Faculty Support

- Named Professorships
- Junior Faculty Start-up funds
- Visiting Professorships

Student Support

- Graduate Fellowships
- Undergraduate Scholarships and Research

Program

- Undergraduate Laboratories Fundamentals and Advance

Unrestricted Support

- Novel educational and research initiatives

The Next Step: Make a Pledge

The school's continued success depends on the support it receives from its partner investors—alumni and friends, corporate and foundation partners, faculty, and students. This is a time for all of us to step forward and support the future of chemical engineering education and research at Purdue.

There are many ways for you to support The Campaign for Purdue–ChE. You can increase your current levels of annual giving or make an outright gift, such as cash, property, gifts-in-kind, or appreciated securities. You can make a planned gift or a multi-year pledged commitment. Deferred gifts can have significant tax and planning benefits for you and your family. If you choose to establish an endowment, your gift will be invested in perpetuity, and the annual income it generates will be used to support the school needs you select. Your gift can be targeted to a certain area, or be unrestricted, a fund which allows the school to seize and run with opportunities.

Every donation from alumni and from our corporate partners is crucial to achieve our vision. Every gift counts and will make a difference. For more information about your opportunity to be a part of the school's pursuit of excellence, contact:

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