Other pictures to add
Mellichamp lecture
Kelly Lectures
1022
1025
Crane
Study abroad
CoOp Hall of Fame
ChE Strategic Plan 2015 - 2019

• **Vision:** Continue to be among the premier chemical engineering programs in the world.

• **Mission:** Provide students with a rigorous and relevant education, conduct field-defining research, and enhance the School’s global impact.

• **Values:** Integrity, excellence, leadership, diversity, sustainability
**ChE Strategic Plan 2015 - 2019**

**Research:** Pursue breakthrough research that extends the boundaries of chemical engineering into areas that promote sustainability and have the greatest positive impact on our global society.

**• Education:**
  - **Graduate Programs:** Recruit and retain a high-caliber, motivated and diverse body of graduate students, promote the scientific visibility and development of PhD students, and increase the size and impact of the Professional MS program.
  - **Undergraduate Programs:** Maintain a highly capable, motivated and diverse body of undergraduates, and help them to obtain a strong and relevant education throughout their Purdue experience.

**• Global Impact:** Educate undergraduate and graduate students who will be successful in a global environment. Cultivate and expand research and educational relationships with prominent international institutions.
ChE Strategic Plan 2015 - 2019

- **Development:** Secure and improve the School’s financial foundation and enhance faculty resources while balancing short- and long-term goals.

- **Engagement:** Encourage faculty, students and staff to develop and engage in activities in the professional community, with industry and the local and Purdue community to enhance the overall academic experience.

- **Culture and Environment:** Foster an environment that is dedicated to excellence in achieving the educational and research objectives of the School. Encourage professional development, leadership, and team-building activities. Support recognition by internal and external award nominations. Promote a culture of respect and inclusiveness, and a commitment to safety.
CHE School Parameters

- Forney Hall
  - CMET
  - 47,110 asf
  - Addition
  - 44,544 asf
- Founded 1911
- 35 Faculty
- 32 Staff
- 591 Undergraduate Students
- 151 Graduate Students
- 47,110 asf
- Addition 44,544 asf
Professional MS Program

12 month program

- Fall: 12 credit hours (minimum)
- Spring: 12 credit hours (minimum)
- Summer: 6 credit research project (ChE Faculty)

Details:
• Non thesis program
• Masters of Science in ChE
• Min 30 credit hours
  - 15 ChE credits
  - 9 MGMT credits
  - 6 research credits

Concentrations:
• Biochemical Engineering
• Energy Systems - Fundamentals and Processes
• Kinetics, Catalysis and Reaction Engineering
• Particulate Products and Processes
• Pharmaceutical Engineering

Start August
Finish August following year
• Although ChE students account for only 7% of the Fall 2015 enrollment in the College of Engineering, they received 18% of the total P&T Scholarships in the College.

• 24% of all ChE undergraduate students receive P&T scholarships (Fall 2015).

• 70% of our undergraduate students have a GPA of 3.2 or higher (Fall 2015).
UG Scholarships 2015-16

ChE: 78 scholarships to 64 students, totaling $200K

Purdue (including ChE): 397 scholarships to 223 students, totaling $2,04M (excluding financial aid); average: $3,400 per student

ChE Scholarship Recipients, Fall 2015
Chemical Engineering Faculty

Mahdi Abu-Omar
PhD, Iowa State, 1996

Rakesh Agrawal
ScD, MIT, 1980

Osman A. Basaran
PhD, Minnesota, 1984

Stephen P. Beaudoin
PhD, NC State, 1995

Bryan W. Boudouris
PhD, Minnesota, 2009

James M. Caruthers
ScD, MIT, 1977

David S. Corti
PhD, Princeton, 1997

Elias I. Franses
PhD, Minnesota, 1979

Raj P. Gounder
PhD, UC Berkeley, 2011

Robert E. Hannemann
MD, Indiana, 1959
Chemical Engineering Faculty

Michael T. Harris
PhD, Tennessee-Knoxville, 1992

R. Neal Houze
PhD, Houston, 1968

Jeffrey P. Greeley
PhD, Wisconsin Madison, 2004

James D. Litster
PhD, Queensland, 1985

Julie C. Liu
PhD, Caltech, 2006

Jeffrey T. Miller
PhD, Oregon State, 1980
(To join Spring 2015)

John A. Morgan
PhD, Rice, 1999

Zoltan K. Nagy
PhD, Babes-Bolyai, 2001
Chemical Engineering Faculty

Joseph F. Pekny
PhD, Carnegie Mellon, 1989

R. Byron Pipes
PhD, Texas-Arlington, 1972

Vilas Pol
PhD, Bar-Ilan, 2005

Doraiswami Ramkrishna
PhD, Minnesota, 1965

Gintaras V. Reklaitis
PhD, Stanford, 1969

Fabio H. Ribeiro
PhD, Stanford, 1989

Kendall T. Thomson
PhD, Minnesota, 1999

Arvind Varma
PhD, Minnesota, 1972
Head
Chemical Engineering Faculty

Jeffrey D. Varner
PhD, Purdue, 1997

Nien-Hwa Linda Wang
PhD, Minnesota, 1978

Phillip C. Wankat
PhD, Princeton, 1970

You-Yeon Won
PhD, Minnesota, 2000

Chongli Yuan
PhD, Cornell, 2007

Enrico N. Martinez
Professor of Engineering Practice
PhD Notre Dame, 1972

Jeffrey J. Siirola
Professor of Engineering Practice
PhD Wisconsin Madison, 1970
Chemical Engineering Emeritus Faculty

Ronald P. Andres
PhD, Princeton, 1962

W. Nicholas Delgass
PhD, Stanford, 1969

Robert A. Greenkorn
PhD, Wisconsin, 1957

Nancy W. Y. Ho
PhD, Purdue, 1968

George T. Tsao
PhD, Michigan, 1960
2014 College of Engineering Staff Excellence Awards, November 2014

Jenny Mamph, Customer Service Excellence Award
Jenny Mamph, Customer Service Excellence Award
New Faculty Additions
August 2015

Jeffrey D. Varner
Professor

B.S., Purdue, 1992
Ph.D., Purdue, 1997

Research Interests: metabolic and signaling pathways, complex signaling networks, biochemistry of blood and blood coagulation
Distinguished Engineering Alumnus
February 2015

Rohit Khana
MSChe '80, PhD '83

Senior Research Fellow and Head of External Technology and Collaborations for Worldwide Pharmaceutical Sciences, Pfizer Inc.
Pinnacle Award
February 2014

Jay (BSChem '74) and Cynthia Ihlenfeld (center) with Provost Tim Sands (left) and Arvind Varma
Chem-E Car Competition

Purdue ChE Chem-E Car Team at the 2014 AIChE Competition
Alisha Tungare (BS ChE 2015) participated in the “Posters on the Hill” event in Washington, DC, April 2015
Women in ChE Seminar
April 2014

Robertta Gleiter (BSChe ’56) and Ronna Robertson (BSChe ’92)
Women in ChE Seminar
April 2014
Purdue ChE
Spring Newsletter

SPRING 2014
CHEMICAL ENGINEERING
NEWSLETTER
UNIT OPERATIONS LABORATORY THEN AND NOW

April 2015
Senior Banquet
May 2015
Senior Design Project
Team Awards
May 2014
Staff Retreat
July 2015
2014 GSO Officers

Nicole Devlin
President

Agnes Mendonca
Vice President and Treasurer

Sydney Hollingshead
First-year Representative
2014 GSO Officers

Kevin W. Brew
Student Advocacy Officer

Arthur Dysart
Inter-GSO Events Committee Representative

Yanran Cui
Purdue Graduate Student Government Representative
2014 GSO Officers

Michael Cordon
Social Events Committee Co-chairperson

John Di Iorio
Sports Events Committee Co-chairperson

Nathan J. Davis
Outreach Committee Chairperson
2014 GSO Officers

Arthur J. Shih
Co-curricular Committee Chairperson

Gautham Madenoor Ramapriya
Sustainability Committee Chairperson

Xin Zhao
Safety Committee Chairperson
Austin Tackaberry, senior
Chair of the National Executive Student Committee
AIChE, 2014-15

Selected for the John J. McKetta Undergraduate Scholarship Award
AIChE, 2014
PPA Leadership

The Purdue Professional Practice Ambassadors leadership team includes four ChE students (from left to right):

Pushkaran Palani, senior
- President Professional Practice Ambassadors (Co-O P), 2015
- 3rd ChE student in a row to hold this position

Courtney Panther, junior

Samuel Steiger, senior

Lauren Shotts, junior
ChE Study Abroad - Singapore

- 2 weeks during May 2015
- 26 undergrads
- First study abroad designed specifically for ChE students
- 3-credit technical elective
- Hosts: National Univ. of Singapore, 3M, DuPont
ChE Student Ambassadors

Isaura Frost

Elizabeth Geller

Krystopher Jochem

Katherine Loehr
ChE Student Ambassadors

Class of 2016

Alex Muller
Lilly Myers
Andrew Parker
Beata Strubel
Katherine Tomera
Chelsey Wallace
ChE Student Ambassadors

Class of 2017

Kirsten Ivkovic

Devin Zuck
2014 OChE Awards

Rob Crane (MSChE '94, PhD '97)
Planning Executive
ExxonMobil Research & Engineering
Jefferson (Jeff) C. Lievense (PhD '84)
Executive Vice President of Process Technology, Genomatica
with Professor Linda Wang and Head Arvind Varna
2014 OChE Awards

Stephen (Steve) R. Murrill (BSc hE '71, center, President and owner of Profile Plastics in Lake Bluff, Illinois With Marilyn and Robert Fomey (left) and his family
Scholarship Banquet
October 2015
Scholarship Banquet
October 2015
Procter and Gamble Tour
March 2015
Frito Lay Tour
April 2015
ChE-SAC and AIChE Pancakes
April 2015
Graduate Student Awards

Joseph Kubal (right) received the
???
Graduate Student Awards

Mariana Moreno
Outstanding Teaching Assistant
Graduate Student Awards

Emre Gencer
Outstanding Teaching Assistant
Graduate Student Awards

Emre Gencer
Outstanding Teaching Assistant
Grad Student Awards

From Left: Aniruddha Kelkar (Outstanding Research Award), Kaiwalya Sabnis (Magoon Teaching Award), Rohit Jaini (Magoon Teaching Award), Frank Devilbiss (Outstanding Service Award), McKay Easton (Magoon Teaching Award),
Senior Banquet, May 2015

Varma, Sawyer, Joshua Clark, Kristopher Jochem, Haefa Mansour, Austin Tackaberry
Senior Banquet, May 2015

Varma, Elizabeth Geller, ???
Senior Banquet, May 2015

Isaura Frost ??
I2R, May 2015

Victor and ??
UG Student Awards

- Alexis Brannan, junior, Chair, EXPO Career Fair, Purdue, 2015
- Ryan McDonnell, BS 2015, received the Louis Sudler Prize in the Arts, Purdue, 2015
- Rachel Rahn, junior, received the 1st place poster award, SRC TECHCON, 2015
- Wen Zhong, junior, President, Lafayette Toastmasters Club, 2015-16
Phil Wankat
Teaching Engineering
Second Edition
Purdue University Press
2015
Fundamentals Lab
Research Focus
Nagy
Research Focus
Gounder
Research Focus - Boudouris
Research Focus
Pol
Research Focus
Morgan
Research Focus
Agrawal
Thank you!
Thank you!
Thank you!