

Centennial Celebration
A Century of People and Progress

1911-2011

Purdue School of Chemical Engineering

2011 – 2012 Year in Pictures

Governor Mitch Daniels selected asPurdue's 12th President!



Mitch Daniels

BA with honors, Princeton, 1971 JD, Georgetown, 1979

- Principal Prior Positions:
- Chief of Staff, Senator Lugar, 1977–82
- Political appointments, DC, 1983-87
- President and CEO, Hudson Institute, 1987-90
- Eli Lilly, corporate leadership positions, last as Senior VP for Corporate Strategy and Policy, 1990-2001
- Director OMB, 2001-03
- 49th Governor of Indiana elected 2004, re-elected 2008
- To join Purdue January 1, 2013
- Provost Tim Sands serving as Acting President,
 July 15 December 31, 2012.



CENTENNIAL CELEBRATION

School Established: June 14, 1911

Planning Committee (13)

- Faculty
- Alumni/IAC members/Industry Representatives
- ❖ Staff
- Students (GSO and ChE-SAC Presidents

Events

- Centennial Seminars
- Publish Two Books on School History
- Main Event: October 7 8, 2011





SCHEDULE OF EVENTS

Friday, October 7, 2011

- 1:00 Welcome Address
- 1:15 Centennial Lectures
- 2:30 Panel Discussions
- 3:45 Sculpture Unveiling
- 4:00 Poster Session
- 5:00 Adjourn
- 6:30 Reception and Dinner
 - Speaker: Dr. Robert Forney

Saturday, October 8, 2011

- Forney Hall and Discovery
 Park Tours
- Pregame reception in Henson Atrium
- Football Game Purdue vs.Minnesota (PU-45, MN-17)





1911-2011

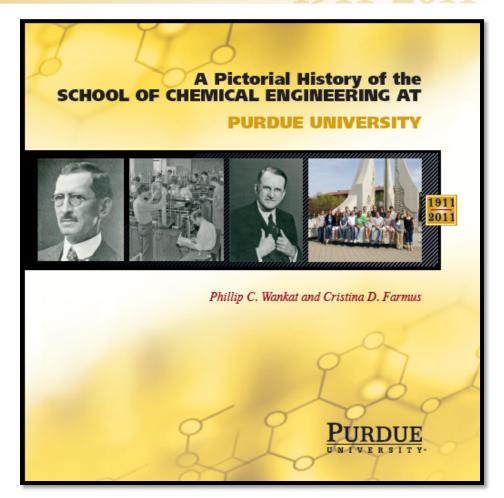
100 Years of
Chemical Engineering

at
Purdue University
1911-2011

Phillip C. Wankat Nicholas A. Peppas



School of Chemical Engineering • Purdue University









Delivering the Industry Lecture via Skype,

Introduced by Professor Reklaitis





Industry Panelists

Ronna Robertson (BSChE 1992),

Rick Roberts (BSChE 1976, OChE 2004, DEA 2007),

Michael Ramage (BSChE 1966, PhD 1971, DEA 1986,

OChE 1993, HDR 1996)







Abbie Griffin (BSChE 1974, OChE 2000), Duncan Mellichamp (PhD 1964, OChE 2007), Jamey Young (PhD 2005), Tony Mikos (MS 1985, PhD 1988, OChE 2008)



Professor Rakesh Agrawal,

Linda Huff (BSChE 1970, OChE 1991, DEA 2000),

Timothy McGinley (BSChE 1963, DEA 1972, OChE 1993, HDR 2010),

Donald Dunner (BSChE 1953, OChE 2001, DEA 2001),

Gerald Skidmore (BSChE 1954, OChE 2011)



Undergraduate Student Volunteers: Jenna Ellis,

Centennial Celebration
A Century of People and Progress



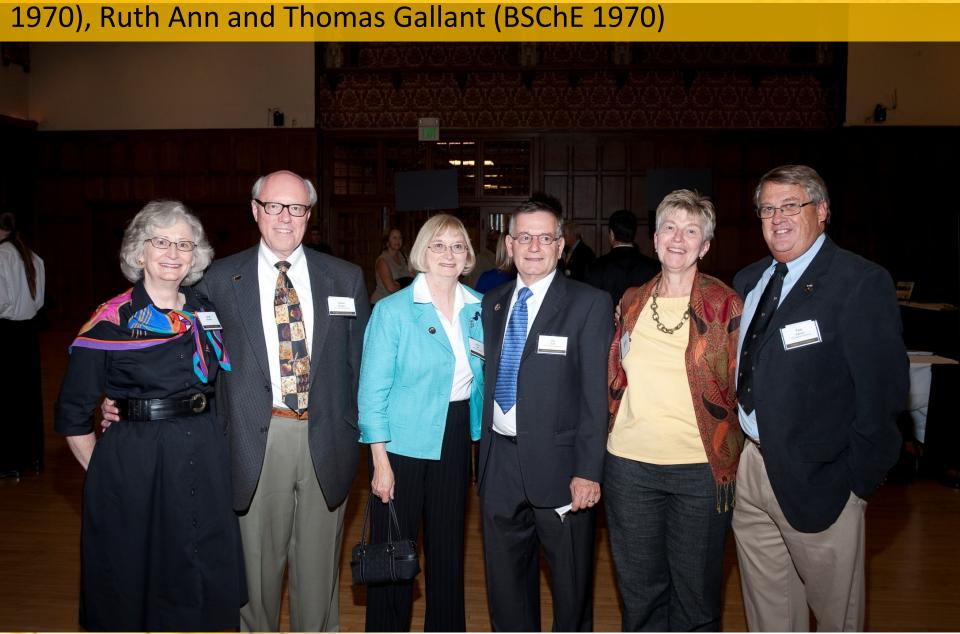


Unveiling the "Evolution" Sculpture



Lloyd and Steven Brewer (BSChE 1970),

Linda Huff (BSChE 1970, OChE 1991, DEA 2000), James Huff (BSChE





Dinner in the North Ballroom,
Purdue Memorial Union

Centennial Celebration
A Century of People and Progress

1911-2011



A Century of People and Progress

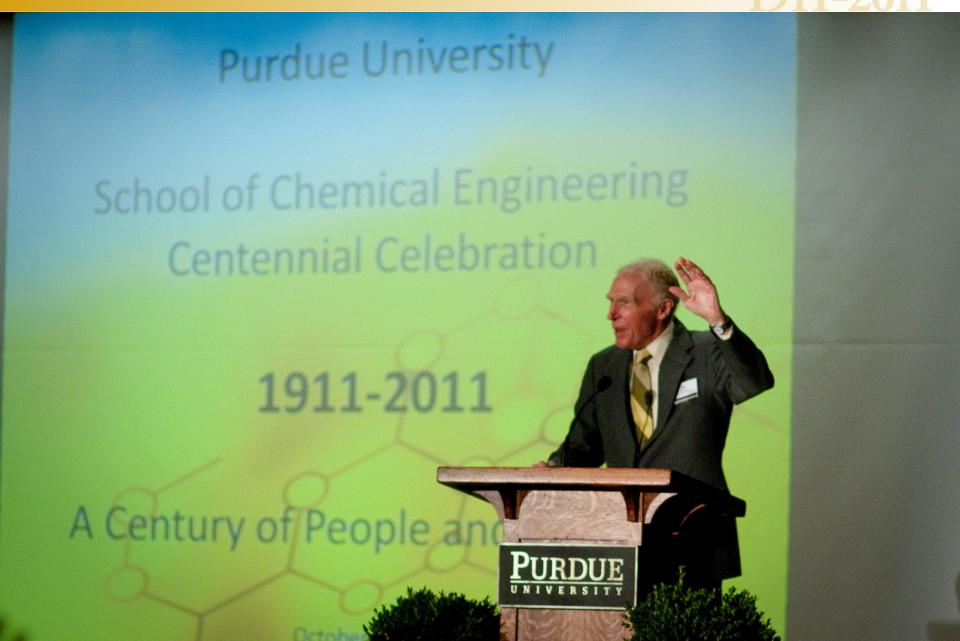
Miranda McCormack, Junior, **Student Trustee**



Laura Hirshfield, **Graduate Student Organization** President 2011-12







Gerald Skidmore (BSChE 1954, OChE 2011),

Centennial Celebration

Donald Goodman (BSChE 1938) – Oldest Living Alumnus

1911–2011

in Attendance, and Gordon Mounts (BSChE 1957, MS 1959)





Centennial Celebration A Century of People and Progress

Front Row:

Professor Linda Wang;
Susan Hardman (BSChE 1983);
Julia Alexander (BSChE 1984);
Roberta Gleiter (BSChE 1960);
Dean Leah Jamieson
Second Row: Marilyn Glenn
Forney (BSChE 1947),
Lise Sigward (BSChE 1978);
Michelle Smith (BSChE 1984)

Miranda McCormack, Junior;

Third Row:

Lindsey Williams (BSChE 2010); Ronna Robertson (BSChE 1992); Lisa Johnson (BSChE 1989); Deb Grubbe (BSChE 1977); Back Row:

Gwynne Johnson (BSChE 1977); Caitlin Schmitt (BSChE 2011); Sandra Marek (BSChE 1979); Associate Dean Melba Crawford

CENTENNIAL STUDENT AWARDS

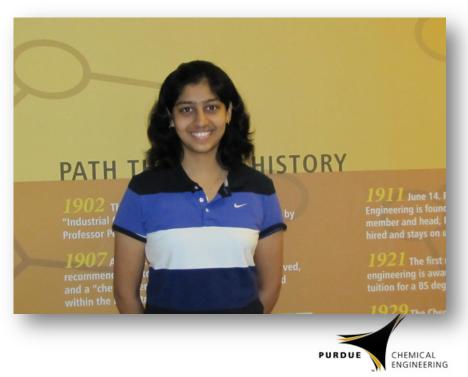
Undergraduate Scholarship \$100K Endowment

Keith Kral, 2011 recipient Andrew Nguyen (below left), 2012 recipient

Graduate Fellowship \$200K Endowment

Caleb Miskin 2011 recipient Shankali Pradhan (below), 2012 recipient





- Vision: Be widely recognized among the premier ranks of 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: Leadership, excellence and innovation, relevance and impact, commitment and responsibility, teamwork and partnership, diversity and respect, safety and sustainability.



FOCUS AREAS

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

Education:

- Graduate Programs: Recruit and retain high caliber graduate students from top-tier chemical engineering programs, provide challenging and relevant research programs, and a quality graduate level education.
- Undergraduate Programs: Recruit and retain the most capable, motivated and diverse class of undergraduates, and help them to obtain a solid 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 relationships with prominent international research organizations.

FOCUS AREAS - CONTINUED

- Development Secure and improve the School's financial foundation as a means to continually improve its programs and physical facilities, while balancing short and long term goals.
- Engagement Encourage faculty, students and staff to develop a sense of personal responsibility and accountability for service at both the local and national levels. Promote entrepreneurial activity, leading to intellectual property, including invention disclosures and patents. Become a leader in sustainability on the Purdue campus.
- Professional Development and Recognition Encourage all faculty, staff, and students to participate in activities that will enhance their career, develop their skills, and help them become more creative and productive.
 Actively promote recognition by internal and external award nominations.
- Culture and Environment: Create an environment where faculty, staff and students are treated with respect and where superior teamwork is achieved. Enhance and expand safety activities and safety education.



RESEARCH FRONTIERS

CLEAN ENERGY

SOLAR

BIOFUELS

HYDROGEN

FUEL CELLS COAL

SUSTAINABILITY

ENGINEERING

MEDICAL ENGINEERING **BIOLOGICAL & ENGINEERING**

DRUG DELIVERY

BIOMIMETIC MATERIALS

CHE FUNDAMENTALS

CATALYSIS & REACTION ENGINEERING

FLUID MECHANICS & INTERFACIAL **PHENOMENA**

MASS TRANSFER & SEPARATIONS

MOLECULAR & NANOSCALE MODELING

POLYMERS & MATERIALS

PRODUCT & PROCESS SYSTEMS **ENGINEERING**

> PARTICLE DESIGN & PROCESSING

INFORMATICS & COMPLEX SYSTEMS

CHEMICAL SWITHESIS **BIOCATALYSIS** MODELING MODELING AFACIAL SCIENCE

ADVANCED MATERIALS CATALYST DESIGN **HYDRODEOXYGENATION** CHEMICAL SENSORS



A Century of People and Progress



Rakesh Agrawal ScD, MIT, 1980



Bryan W. Boudouris PhD, Minnesota, 2009



Elias I. Franses PhD, Minnesota, 1979



Osman Basaran PhD, Minnesota, 1984



James M. Caruthers ScD, MIT, 1977



Robert E. Hannemann MD, Indiana, 1959



Stephen P. Beaudoin PhD, NC State, 1995



David S. Corti PhD, Princeton, 1997



Michael T. Harris PhD, Tenn.- Knoxville, 1992



A Century of People and Progress



R. Neal Houze PhD, Houston, 1968



Julie Liu PhD, CalTech, 2006



Joseph F. Pekny PhD, Carnegie Mellon, 1989



Sangtae Kim PhD, Princeton, 1983



John A. Morgan PhD, Rice, 1999



R. Byron Pipes, PhD, Texas-Arlington, 1972



James D. Litster PhD, Queensland, 1985



Zoltan K. Nagy PhD, Babes-Bolyai University, 2001



Doraiswami Ramkrishna PhD, Minnesota, 1965



A Century of People and Progress



Gintaras V. Reklaitis, PhD, Stanford, 1969



Fabio H. Ribeiro PhD. Stanford, 1989



Kendall T. Thomson PhD. Minnesota, 1999



Arvind Varma PhD, Minnesota, 1972



Nien-Hwa Linda Wang PhD, Minnesota, 1978



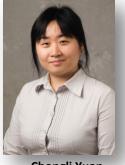
Phillip C. Wankat PhD, Princeton, 1970



You-Yeon Won
PhD, Minnesota, 2000



Yue Wu PhD, Harvard, 2006



Chongli Yuan PhD, Cornell, 2007

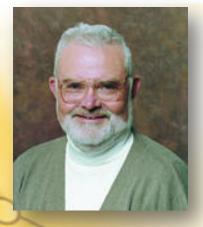




Jeffrey Siirola
Professor of
Engineering Practice
Joined Fall 2011

Enrico N. Martinez
Visiting Professor
Joined Fall 2009





In Memoriam

Professor Robert Squires
(1935 – 2011)





Ronald P. Andres PhD, Princeton, 1962



Kwang-Chu Chao PhD, Wisconsin, 1956



W. Nicholas Delgass PhD, Stanford, 1969



Robert A. Greenkorn PhD, Wisconsin, 1957



George T. Tsao PhD, Michigan, 1960

CHE RESEARCH FACULTY



Nancy W. Y. Ho PhD, Purdue, 1968



NEW FACULTY





Jeff Greeley

 Associate Professor to Join Spring 2013

- B.S., University of Texas-Austin, 1997
- Ph.D., University of Wisconsin-Madison, 2004
- Post-Doctoral Fellow, Technical University of Denmark, 2004 - 2006
- Research Interests: Computational studies of nanomaterials for renewable energy applications; surface and interfacial properties of heterogeneous catalysts, electrocatalysts, and energy storage materials

Rajamani Gounder

 Assistant Professor to Join Fall 2013



PURDUE

- B.S., University of Wisconsin, 2006
- Ph.D., University of California, Berkeley, 2011
- Post-Doctoral Fellow, California Institute of Technology, 2011 -2013
- Research Interests: Synthesis of inorganic catalysts with tailored properties; characterization of catalyst active site and support structures; evaluation of catalytic function using fundamental kinetic and mechanistic descriptors.

CONGRATULATIONS TO CHE FACULTY



Rakesh Agrawal

Winthrop E. Stone Distinguished Professor, received the

National Medal of Technology and Innovation from President Barack Obama. October 21, 2011

- •He was one of five recipients in 2011.
- •Dr. Agrawal holds 118 U.S. patents, nearly 500 non-U.S. patents and has authored 102 technical papers. He joined Purdue ChE in Fall 2004.
- •Also Elected Foreign Fellow of the Indian National Academy of Engineering, 2012





Bryan Boudouris

DARPA Young Faculty Award, 2012 &

AFOSR Young Investigator

Research Program Award, 2012



James Caruthers
Named Reilly Professor of
Chemical Engineering, 2011



David CortiNamed Purdue University Faculty Scholar,

2011 – 2016





Nicholas Delgass

R.H. Wilhelm Award in Chemical Reaction Engineering, AIChE, 2012



Jim Lister

Thomas Baron Award in Fluid Particle Systems, AIChE, 2012



<u>Julie Liu</u>

Awarded the 3M Nontenured Faculty Grant Awarded an American Heart Association Scientist Development Grant, 2012



Joseph Pekny

Awarded the Engagement/Service Award by the College of Engineering, Purdue University, 2012



Fabio Ribeiro

Henry J. Albert Award from the International Precious Metals Institute, 2012



Doraiswami Ramkrishna

Elected Foreign Fellow of the Indian National Academy of Engineering, 2011





Rex Reklaitis

- Van Antwerpen Award, AlChE, 2012
- Long Term Achievements Award of the Working Party on Computer Aided Process Engineering of the European Federation of Chemical Engineering, 2012



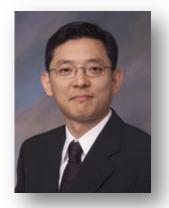
Arvind Varma

- Named the Jay (BSChE '74) and Cynthia
 Ihlenfeld Head of Chemical Engineering, 2012
- Elected Fellow of the American Association for the Advancement of Science, 2011



CONGRATULATIONS TO CHE FACULTY





<u>You-Yeon Won</u> Inaugural Bindley Bioscience Fellow, Purdue, 2012



<u>Linda Wang</u>
Fellow of the American Institute of Chemical Engineers, 2012



Yue Wu DuPont Young Professor Grant, 2010-13



Centennial Celebration

RECENT ALUMNI HONORS - PURDUE A Century of People and Progress



Distinguished Engineering Alumnus (DEA), College of Engineering, Purdue, 2012

Kristi Anseth, BSChE '92

Tisone Distinguished Professor Associate Professor of Surgery Howard Hughes Medical Institute Investigator University of Colorado at Boulder



Outstanding Chemical Engineer, School of Chemical Engineering Purdue, 2012

RECENT ALUMNI HONORS - PURDUE A Century of People and Progress

Centennial Celebration

2012 Outstanding Chemical Engineers



William R. Clark, BSChE '82, MSChE '94 with Professors Varma and Wang



Bruce E. Dale, PhD '79 with Professors Varma and Morgan



RECENT ALUMNI HONORS - PURDUE Centennial Celebration A Century of People and Progress

2012 Outstanding Chemical Engineers



Marilyn Glenn Forney, BSChE '47 with Professors Varma and Reklaitis



Gregory R. Lewis, BSChE '82 with Professors Varma and Houze



RECENT ALUMNI HONORS - PURDUE Centennial Celebration A Century of People and Progress

2012 Outstanding Chemical Engineers



Richard A. Narta, BSChE '80 with Professors Varma and Ribeiro



Steven J. Swanson BSChE '71, MSChE '72, PhD '75 with Professors Varma and Ramkrishna

RECENT ALUMNI HONORS - PURDUE Centennial Celebration A Century of People and Progress

2012 Outstanding Chemical Engineers







RECENT ALUMNI HONORS - PURDUE Centennial Celebration A Century of People and Progress

2012 Outstanding Chemical Engineers









Kristi Anseth, BS'92

Tisone Distinguished Professor
Associate Professor of Surgery
Howard Hughes Medical Institute Investigator
Department of Chemical and Biological Engineering
University of Colorado

Inaugural Mid-Career Researcher Award, MRS, 2012



Chris Bowman, BS '88, PhD '91

Patten Professor of Chemical and Biological Engineering Clinical Professor of Restorative Dentistry University of Colorado at Boulder

Professional Progress Award (AIChE), 2011

Named Distinguished Professor, Univ. Colorado, 2012



Richard Korsmeyer, MS'80, PhD '83

Global Head of Licensing Worldwide Pharmaceutical Sciences Senior Research Fellow Pfizer

Elected to the National Academy of Engineering, 2012



Donald R. Miller, PhD '84

Senior Director Pfizer

Industrial R&D Award AIChE, 2012





Antonios Mikos, MS '85, PhD '88

Louis Calder Professor of Bioengineering Professor of Chemical & Biomolecular Engineering Rice University

Elected to the National Academy of Engineering, 2012 Elected to the Institute of Medicine of the National Academies, 2012

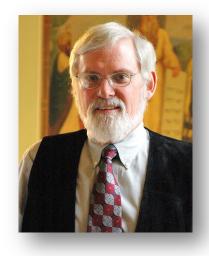


Elefterios "Terry" Papoutsakis, MS '77, PhD '80

Eugene DuPont Chair
Department of Chemical Engineering
Delaware Biotechnology Institute

James E. Bailey Award, AIChE, 2012





David Pershing, BS '70

Named President of the University of Utah, 2012



David A. Rockstraw, BS '86
Distinguished Achievement Professor
New Mexico State University

Named Head of the Department of Chemical Engineering, 2012





Ronna Robertson, BS'92

Director of Engineering and Reliability, Packaging Dynamics

Elected Fellow of the Society of Women Engineers, 2011



Alec Scranton, PhD '90

Foundation Distinguished Professor of Chemical and Biochemical Engineering

Named Dean of the University of Iowa College of Engineering, 2012







Candace Corso

Senior

Purdue Co-Op Ambassador Student Association President 2012-13



Miranda McCormack

Senior

Elected Purdue Student Trustee 2011-2013



Tyler Teykl
BS ChE 2012
Elected Purdue Student Trustee
2009-2011



GRADUATE STUDENT HONORS





Sara Yohe Graduate Student **NSF** Graduate Fellowship, 2010



Janie Brennan **Graduate Student NSF** Graduate Fellowship, 2011



Nicole Devlin Graduate Student NSF Graduate Fellowship, 2011



Caleb Miskin **Graduate Student NSF Graduate Fellowship,** 2012



Lizbeth Rostro Graduate Student NSF Graduate Fellowship, 2012



Graduate Student Activities

A Century of People and Progress





Centennial Celebration

A Century of People and Progress



PURDUE

STAFF AWARDS



Cristina Farmus

Administrative Director

2012 Leadership Award,

College of Engineering



Sandy Hendryx

Secretary

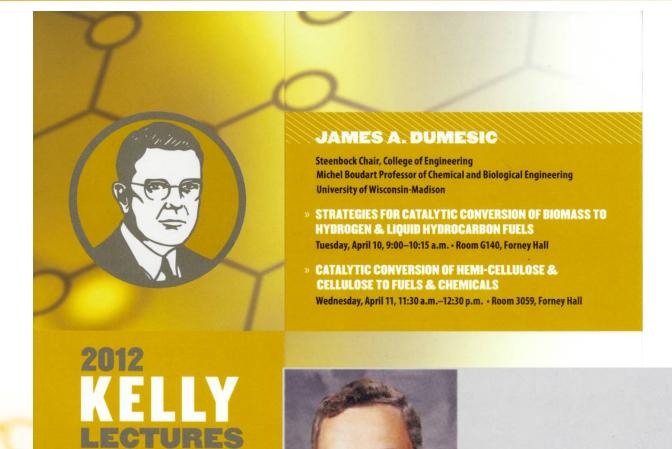
2012 Excellence Award, School of Chemical Engineering2012 Mortar Board Rose Award, Purdue University







KELLY LECTURE - APRIL 10 - 11, 2012



JAMES A. DUMESIC

Steenbock Chair, College of Engineering

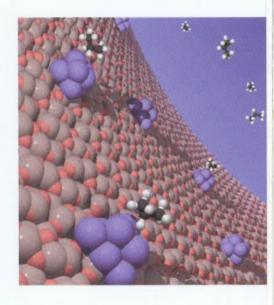
Michel Boudart Professor of Chemical and Biological Engineering University of Wisconsin-Madison

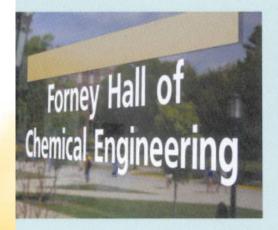
http://www.engr.wisc.edu/che/faculty/dumesic_james.html

STRATEGIES FOR CATALYTIC CONVERSION OF BIOMASS TO **HYDROGEN & LIQUID HYDROCARBON FUELS**

Tuesday, April 10, 9:00-10:15 a.m. • Room G140, Forney Hall

Our society is searching for renewable sources of energy and chemicals because of environmental and political issues created by dependence on fossil fuels, global warming, national security and diminishing petroleum resources. Dumesic will introduce strategies for catalytic conversion of biomass-derived carbohydrates to produce H, and CO, for fuel cell applications, to generate H, and CO for synthesis gas applications, or to produce liquid alkanes for transportation fuels. He will also present a cascade catalytic process for conversion of cellulose to gasoline or jet fuel, passing through the intermediate formation of levulinic acid and y-valerolactone.





CATALYTIC CONVERSION OF HEMI-CELLULOSE AND CELLULOSE TO **FUELS & CHEMICALS**

Wednesday, April 11, 11:30 a.m.-12:30 p.m. • Room 3059, Forney Hall

The conversion of lignocellulosic biomass to fuels and chemicals requires the effective utilization of the C_e and C_e sugars present in hemi-cellulose and cellulose, respectively. Dumesic will address how the hemi-cellulose fraction of lignocellulosic biomass can be converted to furfural and levulinic acid using biphasic reactors with alkylphenol solvents, and explain the conversion of levulinic acid to gamma-valerolactone (GVL) in these solvents. In addition, he will show how various biomass-derived solvents can be used to extract levulinic acid produced by deconstruction of the cellulose in aqueous solutions of mineral acids. Finally, Dumesic will examine the decarboxylation of GVL to produce butene over solid acid catalysts, combined with the oligomerization of butene to produce liquid transportation fuels.

4TH WOMEN IN CHEMICAL ENGINEERING SEMINAR

SATURDAY, APRIL 14, 2012

Undergraduate and graduate women Chemical Engineering students and Chemical Engineering alumnae met for a day of networking on career choices, opportunities and challenges for women chemical engineers.

Our remarkable Chemical Engineering alumnae shared their career and personal experiences and perspectives during this energizing and fun event.









Purdue Alumnae Panels:

- ·Oil and Gas and Chemicals
- Pharmaceuticals, Consumer Products and Food
- •Entrepreneurs and Alternative Careers



2012 Women in Chemical Engineering Seminar

April 14, 2012
"Career Perspectives"



Women in ChE Seminar

Entrepreneurs and Non-Traditional Careers



Linda Huff, President, Huff & Huff Inc.

Dr. Kim Henthorn, Associate Professor, Department of Chemical Engineering, Rose-Hulman Institute of Technology **Jamie Drewry**, Patent Attorney/Associate, Faegre Baker Daniels LLP

Dr. Linda Wang, Professor of Chemical Engineering, School of Chemical Engineering, Purdue University **Roberta Gleiter**, Chief Executive Office, Global Institute for Technology & Engineering (GIFTE)

Women in ChE Seminar

Oil and Gas and Chemicals Panel



Celeste McLeod, Senior Technologist – Renewables, CRI

Dr. Dana Gary, ExxonMobil Research and Engineering

Kim Grimes, SABIC Innovative Plastics

Michelle Smith, Consultant

Linda Davis, Industrial Education Director, School of Chemical Engineering, Purdue University



Women in ChE Seminar

Pharmaceuticals, Consumer Products and Food



Amanda Gantz, Kimberly-Clark Corporation (not pictured)

Diane Tennenhouse, Eli Lilly and Company

Ronna Robertson, Director of Engineering Reliability, Packaging Dynamics

Wendy Meyer, Project Engineering Services Group Leader, Vertellus Specialties Inc.

Dr. Chongli Yuan, Assistant Professor, School of Chemical Engineering, Purdue University



EV GRAND PRIX APRIL 14, 2012



CHEMICAL ENGINEERING SUSTAINABILITY INITIATIVE (CSI)

April 26, 2012



At the invitation of CSi, staff and students visited the Landfill in Clinton County, IN.



Centennial Celebration A Century of People and Progress

CHE FACULTY, STAFF AND STUDENT APPRECIATION RECEPTION

May 3, 2012



Sandy Hendryx receiving the ChE Staff Excellence Award from Dr. Varma

Business Office Staff with Professors Harris and Litster

CHE FACULTY, STAFF AND STUDENT APPRECIATION RECEPTION

Centennial Celebration
A Century of People and Progress

May 3, 2012

Professor Martinez with Professor Delgass



ChE School Staff



PROFESSOR DELGASS RETIREMENT RECEPTION



1911-2011



May 11, 2012





163 BS Degrees Granted during
Academic Year 2011-12

2012 CHE STAFF RETREAT



GRADUATE STUDENT

ORGANIZATION

(GSO)



Nathan Carter President



Si ChenVice President/Treasurer



Laura Hirshfield
Co-Curricular
Activities Chair



Renay Su Social Committee Chair



Frank DeVilbiss
Outreach Committee
Chairperson PURDUE

GRADUATE STUDENT ORGANIZATION

(GSO)



Janie Brennan Voting Representative



Nicole Devlin First Year Representative



Anshu Gupta Inter-GSO Chair



Atish Parekh **Social Committee Chair**



Caitlin Schram Non Voting Representative



Aniruddha Kelkar **PGSG Senator**



GSO – NEW GRADUATE STUDENTS

WELCOME PICNIC

August 13, 2012



21ST ANNUAL GRADUATERESEARCH SYMPOSIUM

August 15-16, 2012



2012 Graduate Student Organization Officers



GSO SYMPOSIUM – POSTER SESSION



April 15 – 16, 2012

Professor Martinez with Graduate Student Mark Suchomel

Graduate Students John O'Grady and Eric Sheets

GSO Symposium – Banquet

August 18, 2012



Hari Nair (PhD 2009),
Professor Fabio Ribeiro,
Ajay Joshi (PhD 2007),
Professor Nicholas Delgass, and
Saurabh Chaugule (PHD 2010)

Graduate students Renay Su,
Richard Galas, and Janie Brennan
with Professor Julie Liu



STUDENT AWARDS

2012-13 Graduate Student Organization Symposium Oral Presentations

- First Place: Anand Venkatesan
 Advisor Phillip Wankat
 "Low Cost Synergistic Desalination Processes"
 - Second place: **Sara Yohe**Advisors Nicholas Delgass and
 Fabio Ribeiro

 "High Pressure Catalytic Hydrodeoxygenation
 Reaction Pathways and Kinetics for
 Dihydroeugenol over Pt/ZrO2 and Ru/ZrO2
 catalysts"
- Third Place: Krishnaraj Sambath
 Advisor Osman Basaran,
 - "Fission and Fusion of Liquid Drops"
- Honorable Mention: Jayachandran Devaraj Advisor Doraiswami Ramkrishna, "Model-based Individualized Treatment for Childhood Leukemia"



Professor Varma with Anand Venkatesan



STUDENT AWARDS

2012-13 Graduate Student Organization Symposium

Poster Presentations

- First Place: Gautam Yadav
 Advisor Yue Wu
 "Design and Assembly of Nanostructured
 Materials for the Construction of Batteries
 and Thermoelectric Devices"
- Second place: Aniruddha Kelkar
 Advisors David Corti and Elias Franses,
 "Multi-Scale Approach to Dispersion
 Dynamics: Plug Formation in Sub-Sea Oil Pipelines"
- Third Place: Kaiwalya Sabnis
 Advisors Nicholas Delgass and Fabio Ribeiro
 "Water-Gas Shift Catalysis over Transition
 Metals Supported on Molybdenum
 Carbide"



Professor Varma with Gautam Yadav



GSO – NEW GRADUATE STUDENTS

1911-2011

MIXER

August 18, 2012





SCHOLARSHIP BANQUET

Centennial Celebration
A Century of People and Progress

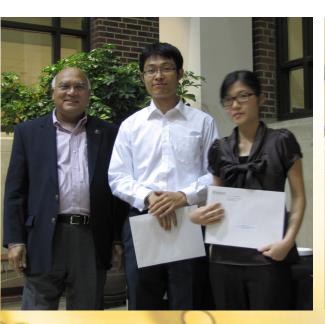
1911-2011

September 20, 2012













SCHOLARSHIP BANQUET

September 20, 2012

Centennial Celebration
A Century of People and Progress

1911-2011











CLASS OF 1952 – 50 YEAR REUNION

CLASS OF 1962 – 40 YEAR REUNION

September 28, 2012

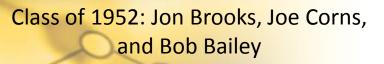


Centennial Celebration A Century of People and Progress

CLASS OF 1952 – 50 YEAR REUNION CLASS OF 1962 – 40 YEAR REUNION

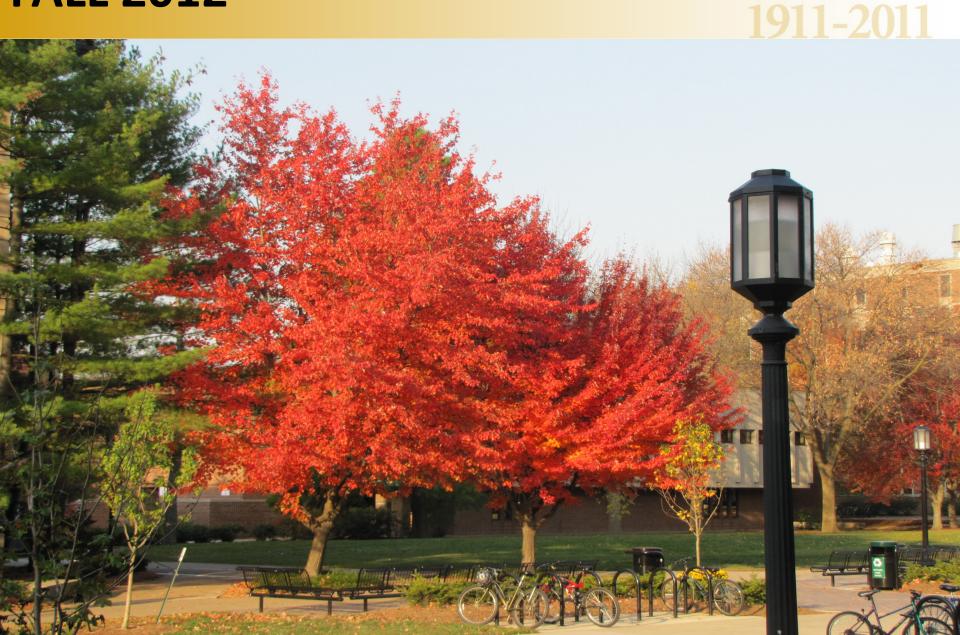
September 28, 2012







Class of 1962: Dave Rea and Ben Lipps



Purdue ChE Undergraduate Students



ChE- Student Advisory Council

Annual Fundraiser



ChE- Ambassadors, Seniors Andrew Nguyen and Jeff Bush

PROFESSOR AGRAWAL AND HIS RESEARCH GROUP



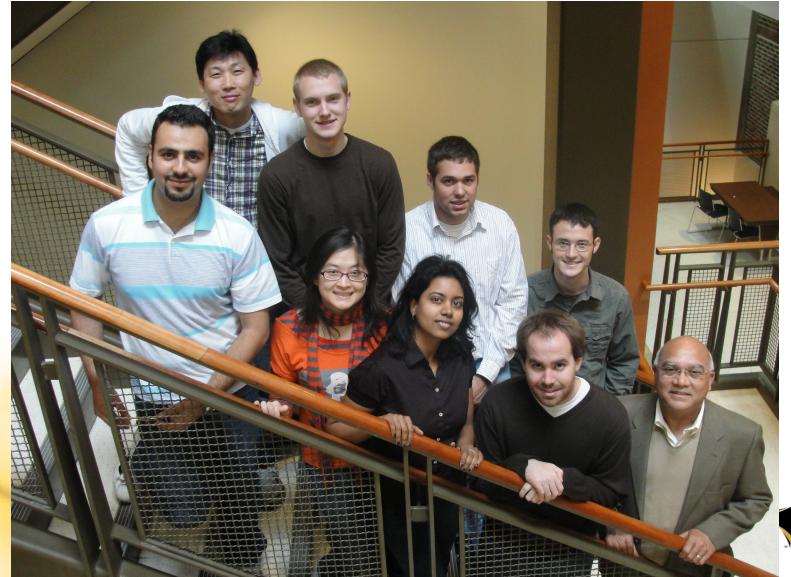
PROFESSOR LIU

AND HER RESEARCH GROUP



PROFESSOR VARMA

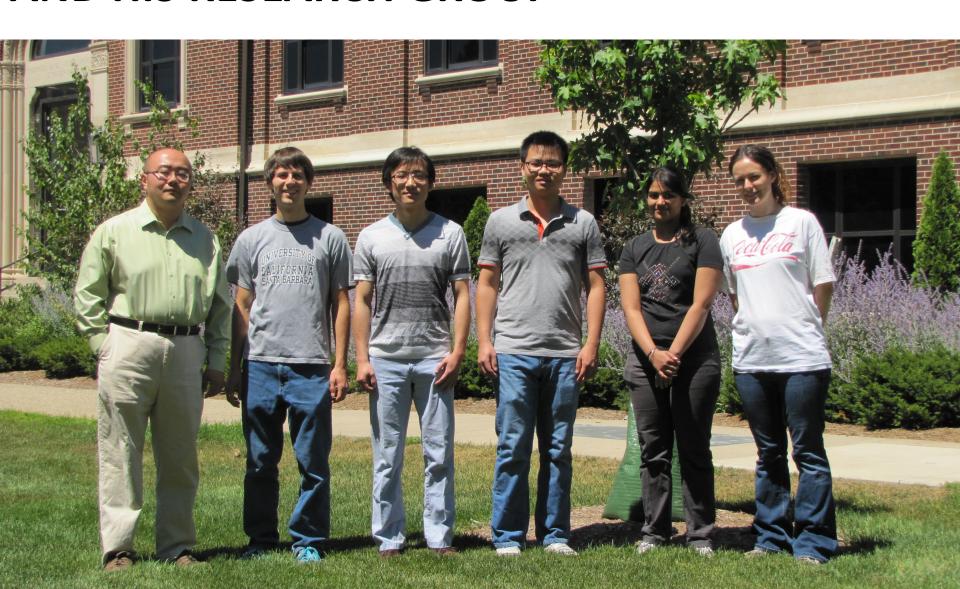
AND HIS RESEARCH GROUP





PROFESSOR WU

AND HIS RESEARCH GROUP



PROFESSOR
YUAN
AND HER
RESEARCH
GROUP



Kristi Anseth

Tissone Professor and HHMI Investigator, Chemical and Biological Engineering University of Colorado

Alexis Bell

The Dow Professor of Sustainable Chemistry
UC Berkeley

Frank Bates

Regents Professor and Department Head
Chemical Engineering and Materials Science
University of Minnesota

Ignacio Grossman

Rudolph R. and Florence Dean University Professor Chemical Engineering, Carnegie-Mellon

Michael Ramage

Executive Vice President, ExxonMobil, Retired

Gregory Stephanopoulos

W. H. Dow Professor of Chemical Engineering MIT



Industrial Advisory Council Meeting

October 5, 2012



Industrial Advisory Council

Visit to the Unit Operations Laboratory, Forney Hall



Unit Ops Lab Renovation

Objectives

- Remove older experiments and introduce new more relevant ones
- Implement safety upgrades
- Equip most experiments with Labview for automation and data management
- Paint walls and floor
- Upgrade furniture
- Set up small "museum" with "antique" experiments



The full renovation process is expected to be carried out during 2 summer periods.

Unit Operations Lab Upgrade

Centennial Celebration
A Century of People and Progress

Need: \$500K

Raised to Date: \$275K

Sponsors to date:

- •Alumni
- Faculty members
- Purdue University Repair and Renovation Funds
- Corporations

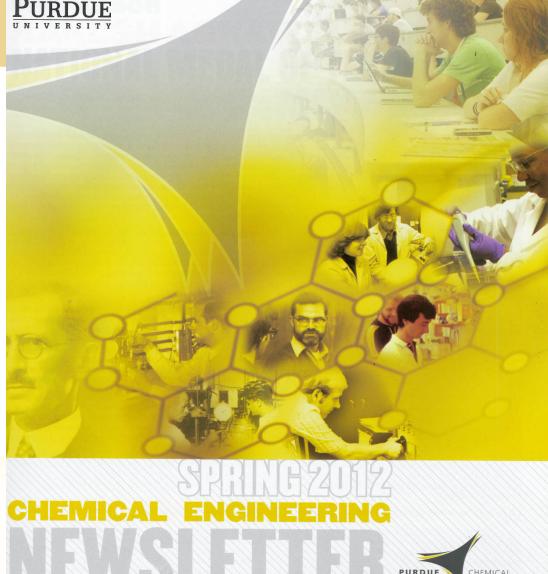






CHEMICAL ENGINEERING NEWSLETTER

Spring 2012 **A Century of People** and Progress





CENTENNIAL CELEBRATION 1911-2011 A CENTURY OF PEOPLE AND PROGRESS

Centennial Celebration A Century of People and Progress

1911-2011



Cristina Farmus, Administrative Director cfarmus@purdue.edu
765-494-0027

