BREAKING BOUNDARIES
Breaking Boundaries … Cutting edge. Innovative. New frontiers. Bold ideas. Whether it is ground-breaking discoveries through research, leading a complex venture or becoming the first in their field, the College of Science celebrates our alumni who are breaking boundaries.

Friday, April 15, 2016
6:30 p.m. Reception
7 p.m. Dinner and Program

Welcome
Jeff Roberts | Dean, College of Science

Dinner

Remarks and Presentation of Awards
Jeff Roberts | Dean, College of Science
“The accomplishments and dedication of our Distinguished Science Alumni never cease to amaze me. The fact that the College of Science had some hand in their success is tremendous. These men and women are leaders and innovators in their respective fields.”
Boundaries are made to be broken at the Purdue College of Science. For more than 100 years, the college has been home to discovery and innovation, but as technology, technique and knowledge grow and evolve, limits are tossed away, boundaries smashed. Science is never satisfied. It never stops. We are always looking to improve and forge new ground.

Our alumni bring this same mindset into industry and academia. They represent their fields and Purdue so well.

Tonight, we honor eight alumni that broke through boundaries during their prolific careers. Hundreds of years of experience are between them while numerous honors and accomplishments have helped bring them to this event. I am so pleased to help welcome them back to campus and to show appreciation for all that they’ve done.

Campus looks very different compared to our 2016 Distinguished Science Alumni’s respective commencement days but the level of excellence they enjoyed here can still be found. What they have accomplished in their careers are most worthy of honor and they are bright examples to young alumni and current students.

There are no boundaries to our appreciation for alumni like you.

Jeff Roberts
Frederick L. Hovde Dean of the College of Science
MARY JANE ELMORE

BS ’76 Mathematics, Purdue University
MBA ‘82, Stanford University
(Nominated by Mathematics)

“Purdue gave me the underlying skills that would serve me through my career. Mathematics involves a logical way of thinking and solving problems that can be applied to almost any area of life. Additionally, Purdue helped me become a self-starter and gain confidence and skills that allowed me to overcome obstacles throughout my life.”
CAREER HIGHLIGHTS

2015 Named to the inaugural class of Stanford’s Distinguished Careers Institute

1983 Became general partner at Institutional Venture Partners, making her one of the first female venture capital partners on the West Coast

1980 Member of Intel’s Operation Crush, which secured dominance of Intel’s microprocessors in personal computers

Mary Jane Elmore was one of the first female venture capital partners on the West Coast, joining the venture capital firm of Institutional Venture Partners (IVP) in Menlo Park, California. She has invested broadly in all stages and areas of information technology companies throughout her career. She served as a general partner in eight IVP funds and on the board of directors of numerous private and public information technology companies.

Prior to joining IVP, Elmore was a marketing manager at Intel Corporation’s Development Systems Division. She was part of a small team of professionals across all divisions of Intel that worked closely with the sales force to achieve market leadership of Intel microprocessors.

Currently, Elmore is a general partner and advisor to the IVP funds and a private angel investor. She is on the advisory council of the Stanford Graduate School of Business. She has also served as a director of the Western Association of Venture Capitalists; the Stanford University Business School Trust; the board of trustees of Sacred Heart Schools, Atherton, California; and the Purdue Mathematics Advisory Council.

Elmore supports philanthropies that advance education at all levels and is passionate about the visual arts.
TONY HAMER
BS ’70 Chemistry, University of Reading
PhD ’74 Inorganic Chemistry, Purdue University
Executive MBA ’86, University of Virginia
(Nominated by Chemistry)

“The knowledge I gained and developed at Purdue on the surfaces and molecular structures of transition metal compounds enabled me to transition swiftly and effectively into the world of industrial catalysis. The discipline and ability to logically approach problems allowed me to be effective, efficient and confident in my various initiatives. In short it was a great base from which to build and to strive for excellence in everything that I attempted.”

CAREER HIGHLIGHTS
1995 Development and commercialization of fracking technologies for shale gas
1992 Commercialized aliphatic di-isocyanates for Olin Corporation
1984 Started Kemya petrochemical company in Al-Jubail, Saudi Arabia
1978 Commercialized linear low density polythene
Tony Hamer arrived at Purdue as a British economic refugee in 1970, at the invitation of Professor Dick Walton, to work on his PhD in Inorganic Chemistry. His research on transition metal halides and carboxylates lent itself to the use of the new innovative surface analysis technique, ESCA, and resulted in tremendous new insights on the surface environment of molecules, a good funding stream and numerous papers.

When not in the bowels of the chemistry department with John Amy and Bill Baitinger, he could be seen helping found the Purdue Rugby Club, developing his golf game and travelling to explore the USA.

After completing his PhD in less than four years, he launched his career in the chemical industry at Union Carbide as a bench chemist, and followed this with positions of increasing responsibility at Exxon and Olin Corporation. At Union Carbide and Exxon, he was instrumental in the development and commercial implementation of a new process for the production of polyolefins, which today produces more than $60 billion per year of these materials, globally. During this era, he was awarded a number of U.S. and world patents on catalysis and critical process aspects. At Olin Corp, he initiated development work on aliphatic di-isocyanates for the clear coating for cars applications, which are now standard across the global industry.

After 20 years in technology and business positions in the chemical industry, Hamer sought new challenges in the energy industry at Gas Research Institute in Chicago as the senior vice president. In this role, he directed the investment of over $200 million per year in technologies for the exploration, production and distribution of natural gas, and its efficient and environmentally optimized end uses in power generation, natural gas vehicles, residential, commercial and industrial applications. His interests at this period were also in the development of unconventional gas resources including shale where GRI investments in fracking led to the meteoric development of shale gas resources in North America over the last decade.

In the new millennium, Hamer has developed his career as a premier chemical and energy industry consultant focusing on coherent growth strategies, operational improvement and technology/innovation planning for Fortune 500 global companies in North America, Europe, Middle East, South America and China.
MARK B. LONGACRE

BS ’78 Geology, University of Wisconsin – Milwaukee
MS ’82 Geophysics, Purdue University
(Nominated by Earth, Atmospheric, and Planetary Sciences)

“My thesis advisor was Dr. William Hinze, one of the most highly recognized and admired scholars in the world of gravity and magnetics. His knowledge, guidance and passion were, and still are, an inspiration to me. I am proud and honored to call him a mentor and a friend.”
Mark Longacre has been a professional geophysicist for the past 35 years, working exclusively as a gravity and magnetic specialist for the oil and gas exploration industry. He started his career in San Francisco with Sohio Petroleum in 1981 as a potential field geophysicist in the special projects group.

After transfers to Dallas, where Longacre earned an MBA degree in Technical Management from the University of Dallas, and then Denver in 1985, he joined Aqua Terra International, a gravity and magnetic consulting company, as manager of U.S. operations.

In 1991, Longacre started MBL, Inc., a gravity and magnetics consulting company in Denver. MBL specializes in the acquisition, processing, and integrated interpretation of gravity and magnetic data for the oil and gas exploration industry. In 1999, he opened a second office in London.

Over the past 26 years with MBL, Longacre has traveled to more than 60 countries doing a variety of specialized gravity and magnetic projects for the oil and gas exploration industry.
PENG MEI

BA ’59, Mathematics, Harvard University
MS ’62 Mathematics, Brown University
PhD ’71, Computer Science, Purdue University
(Nominated by Computer Science)

“My thesis advisor, Professor Richard Buchi, was very frugal but he was very generous with his graduate students. This influenced the way I ran my business. Also, my graduate work demanded that I be rigorous in my endeavors. One must define the problem to be solved and focus on it without distraction.”
CAREER HIGHLIGHTS

1999 Retired from Mei Technology

1994 Named prime contractor of the year (New England Region) by the U.S. Small Business Administration

1990 Received New England Region’s Minority Small Business Person of the Year from the U.S. Small Business Administration

1987 Received Outstanding Minority Small Business Enterprise Award from the Research and Special Programs Administration of the U.S. Department of Transportation

At 14, Peng Mei immigrated to the U.S. He completed his last three years of secondary education at the Putney School in Vermont before going to Harvard and Brown to pursue mathematics.

After working for Honeywell Information Systems for five summers, Mei joined Honeywell full-time in 1961, where he worked in programming and systems development. In 1962, Mei married Elaine Bien, a Chinese immigrant whom he met at Brown. In 1966, Mei took an educational leave of absence to study for a doctorate in computer science at Purdue. Mei returned to Honeywell in early 1970 before completing all of his PhD requirements.

After holding various technical and management positions at Honeywell, Teradyne, and SESA, plus a short stint as an independent consultant, Mei and Bien started Mei Technology in their basement. They were able to grow the company to 300 employees with 11 offices across the country. They sold the company in 1999 and retired.
MARTHA L. TWADDLE MILLAR

BS ’81 Biological Sciences, Purdue University
MD ’85 Indiana University School of Medicine
(Nominated by Biological Sciences)

“At Purdue, I was provided with an excellent education — access to information that was up to date and challenging, teaching methods that were progressive and a climate that stimulated learning and made it safe to struggle.”

CAREER HIGHLIGHTS

2013 Named one of the 30 most influential international leaders in palliative care

2005 Received the Josephine B. Magno Distinguished Hospice Physician Award

1999 Certified American Board of Hospice and Palliative Medicine

1988 Certified American Board of Internal Medicine

1981 Received the Purdue Department of Biological Sciences Singleton Award, which recognizes the honors student who best exemplifies research excellence and scholarship
Dr. Martha Twaddle Millar currently serves as senior vice president of medical excellence and innovation with JourneyCare, the Midwest region’s premier palliative care and end of life provider. The combined agency is now providing services to patients and their families and caregivers in a 10-county area. In addition, Dr. Twaddle Millar also oversees the Illinois-based Aspire Health Care project that is working on innovative sustainable models to deliver home-based primary and palliative care.

Dr. Twaddle Millar’s unique talents and contributions to the field of palliative medicine have helped increase the understanding of and access to this continuum of care, regionally and nationally. In 2013, she was named one of the 30 most influential visionaries in Hospice and Palliative Medicine by nomination of her peers via the American Academy of Hospice and Palliative Medicine (AAHPM). She served as President of the AAHPM from 2002-2003 and on the AAHPM Board of Directors from 1997-2004. She was honored with the inaugural AAHPM Josefn B. Magno Distinguished Hospice Physician Award in 2005 and most recently recognized as “an exemplary educator and pioneering contributor to end-of-life care” as the recipient of the Compassion in Action Award by Hospice of the Valley and Santa Clara University.

After graduating summa cum laude from Purdue, Dr. Twaddle Millar received her medical degree from the Indiana University School of Medicine in Indianapolis and completed her residency in Internal Medicine through Northwestern University Feinberg School of Medicine, where she was Chief Resident and currently serves as an Associate Professor of Medicine.

Dr. Twaddle Millar is active in curriculum development and education to enhance the competencies of generalist, champion, and specialty level palliative care at a local and national level, actively participates in quality research and pilots to evaluate models of care delivery, speaks regularly to local and national groups and is published extensively in peer-reviewed articles and other publications.
“My education from Purdue is the foundation that has allowed me to get to where I am today. Purdue gave me way more than just book smarts; Purdue taught me the fundamentals of analytical problem solving that are crucial to spaceflight, where the answer to a problem is not always found by taking the direct path.”
CAREER HIGHLIGHTS

2008 to 2011 Oversaw the final four years of space shuttle operations as launch integration manager for NASA

2005 Selected as NASA flight director

2000 Worked his first space shuttle mission

Michael Moses oversees the commercial suborbital spaceflight program for Virgin Galactic. He leads the team in all aspects of safe and successful spaceline operations, including WhiteKnightTwo and SpaceShipTwo vehicle processing, flight planning, astronaut training and flight crew operations.

Moses came to Virgin Galactic following a distinguished career with NASA. From 2008 through July 2011, he served at the Kennedy Space Center in Florida as the launch integration manager, where he led all space shuttle processing activities from landing through launch. Moses also chaired the mission management team where he provided ultimate shuttle launch decision authority. Other NASA experience included working as a flight director at the Johnson Space Center, where he led teams of flight controllers in the planning, training and execution of space shuttle missions. Before being selected as a flight director in 2005, Moses had more than 10 years of experience as a flight controller in the Shuttle Propulsion and Electrical Systems Groups.

Moses is a two-time recipient of the NASA Outstanding Leadership Medal, as well as other NASA commendations and awards.
ROBERT E. WARR

BA ’49 Physics, Fisk University
MS ’51 Physics and Astronomy, Purdue University
(Nominated by College of Science)

“Purdue had a tremendous impact on my life personally and professionally. I received a world-class education in physics, engineering, and critical thinking. A quality education is the great equalizer and the key to a better life.”

CAREER HIGHLIGHTS

1977 to 1987 Engineering consultant for GE Corporate headquarters

1974 Winner of the GE Gerald L. Phillippe Award for public service

1970 to 1977 Managed Microelectronic Reliability & Design Review Center at GE Electronics Laboratory
Robert Warr served as a radio operator/gunner in the US Army Air Corps during World War II. After his service, Warr received his bachelor’s degree from Fisk University before pursuing a master’s degree in Physics at Purdue, where he was one of a few African American students studying on campus.

Not only did Warr endure a rigorous course of studies at Purdue, he also experienced racism as the campus represented a microcosm of racial segregation laws and practices that existed in our country at that time. With these obstacles, Warr worked hard and excelled in his studies to eventually receive the Sigma Pi Sigma Award (Honors in Physics) in 1951.

After he received his Master’s degree, he pursued the opportunity to receive his PhD at Purdue but was not accepted. Despite the rejection, Robert continued to persevere and had a rewarding 40-year career in professional engineering and public service. He has also dedicated his life and career to improving racial justice in America.

Warr was the first African American to become an engineering consultant at corporate GE, where he was responsible for consulting on all new GE products to assure product reliability. He helped develop GE’s first smoke alarm, microwave and point of sales unit. Warr was also responsible for training GE Engineering and Production personnel in the development and production of reliable products. In the performance of this task, he visited all GE plants in the U.S. as well as international plants.

Warr has been published many times including papers in GE technical journals as well as a paper for the Institute of Electrical and Electronics Engineers. He also contributed to the Microelectronic Reliability and Design Review Center.

Warr credits the assistance and consulting advice he received from Professor Hugh Yearian, which helped him devise laboratory apparatus for X-ray analysis of metals that led to his successful thesis topic for his master’s degree.

When he wasn’t in the lab, Warr excelled on the golf course. He has played for more than 60 years, where he has shot seven hole-in-ones.
“Purdue framed me well for my career as an industrial statistician – not just the coursework but professors who consulted in industry and taught me about the larger statistical community, a central part of my career development.”
CAREER HIGHLIGHTS

2014 Retired from a 45-year career in industrial statistics

1989 Received American Statistical Association fellowship

1980-83 Associate editor of Technometrics journal

1967-1984 Statistician for Amoco Corporate Services

Eric Ziegel is an adjunct graduate professor in the Department of Statistics at Texas A&M and a consulting data analyst and modeler currently working three days per week in Technology and Innovation for Marathon Oil Company in Houston. He retired in 2014 from a 45-year career as an industrial statistician with BP and Amoco.

Ziegel began his career as an intern with Amoco during his graduate school days at Purdue. During his career, he worked across all areas of the oil and gas business: petrochemicals, plastic products, refining, lubricants, marketing, exploration, drilling, production and pipelines. Ziegel was involved externally in engagements with a number of government agencies and in various cooperative programs with other fuel companies and vehicle manufacturers. Most of his industry assignments were with technology departments. He was co-developer of BP’s data sciences technology program in his final position with Upstream Technology.

Ziegel has organized several conference technical programs, including the American Statistical Association’s annual meeting, and he has been active on several major committees. Ziegel was book review editor for the journal Technometrics for 22 years. His service was honored with an annual award in his name. More recently, Ziegel has been active again in organizing technical programs with the Data-Driven Analytics section of the Society of Petroleum Engineers and has had numerous papers at SPE conferences.

Ziegel has three U.S. patents for solving different petroleum engineering problems using data-driven models.
26 Years of Distinguished Purdue Science Alumni

1990

Jack K. Hale
MS ‘51 | PhD ‘53 | Mathematics

Fred W. Hoover
MS ‘38 | PhD ‘41 | Chemistry

Rajinder P. Khosla
PhD ‘66 | Physics

Gary C. McDonald
MS ‘66 | PhD ‘69 | Statistics

Ednor M. Rowe
MS ‘57 | Physics

1991

Frank Brown, Jr.
PhD ‘69 | Chemistry

Will D. Carpenter
MS ‘56 | PhD ‘58 | Biological Sciences

Robert J. Lundegard
MS ‘52 | PhD ‘56 | Statistics

Claude A. Mayberry
BS ‘65 | MA ‘68 | Mathematics

Aram Mooradian
PhD ‘65 | Physics

1992

Christopher M. Cimarusti
PhD ‘68 | Chemistry

Kenneth S. Krane
MS ‘67 | PhD ‘70 | Physics

Thomas J. Lorenzen
BS ‘73 | Mathematics | PhD ‘77 Statistics
1993

Thomas J. Aird
PhD '73 | Computer Science

Martin L. Gorbaty
PhD '69 | Chemistry

Fred C. Leone
PhD '49 | Statistics

Franklyn K. Levin
BS '43 | Physics

Margaret G. Mellon
BS '67 | MS '69 | Biological Sciences

Dianne P. O'Leary
BS '72 | Mathematics

1994

Barbara M. Alving
BS '67 | Biological Sciences

Raymond J. Carroll
PhD '74 | Statistics

Carolyn S. Gordon
BS '71 | MS '72 | Mathematics

John B. Landis
MS '76 | PhD '78 | Chemistry

Wendell R. Lutz
MS '68 | PhD '73 | Physics

Patricia W. Sheetz
BS '75 | Earth and Atmospheric Sciences

Lorie Strong
BS '74 | Mathematics
1995

William J. Browning
BS ’68 | MS ’69 | PhD ’74 | Mathematics

Jerone N. Deverman
BS ’60 | MS ’62 | PhD ’69 | Statistics

Bruce F. Griffing
PhD ’79 | Physics

Kevin C. Kahn
MS ’73 | PhD ’76 | Computer Science

William W. Reid
BS ’70 | MS ’72 | Earth and Atmospheric Sciences

William A. Sadler
PhD ’61 | Biological Sciences

John A. Smith
BS ’69 | Chemistry

1996

Donna J. Brogan
MS ’62 | Statistics

Joseph W. Jerome
MS ’63 | PhD ’66 | Mathematics

Edward A. Keller
PhD ’73 | Earth and Atmospheric Sciences

L. Ramdas Ram-Mohan
MS ’67 | PhD ’71 | Physics

Nina M. Roscher
PhD ’64 | Chemistry

Martin Rosenberg
PhD ’72 | Biological Sciences

Joseph D. Ruhl
BS ’77 | Biology Education

Brian G. Waters
MS ’78 | Computer Science
1997

Charles A. Beeson  
BS ’66 | MS ’71 | Chemistry

Dennis M. Conti  
MS ’71 | PhD ’73 | Computer Science

Richard E. James  
MS ’68 | PhD ’70 | Statistics

Clinton F. Lane  
PhD ’72 | Chemistry

Fon-Che Liu  
PhD ’68 | Mathematics

John T. Snow  
PhD ’77 | Earth and Atmospheric Sciences

Stuart A. Solin  
MS ’66 | PhD ’69 | Physics

Luther S. Williams  
PhD ’68 | Biological Sciences

1998

Subhash C. Agrawal  
PhD ’83 | Computer Science

H. Thomas Banks  
MS ’65 | PhD ’67 | Mathematics

Wayne A. Border  
BS ’65 | Biological Sciences

George C. Casella  
MS ’74 | PhD ’77 | Statistics

Ronald L. Parratt  
BS ’70 | MS ’75 | Earth and Atmospheric Sciences

Joel S. Spira  
BS ’48 | Physics

Elaine C. Daughetee Wolfe  
BS ’62 | Biological Sciences

William H. Woodruff  
MS ’69 | PhD ’72 | Chemistry
1999

David L. Burke  
BS ‘71 | Physics

Raymond J. Dagenais  
MS ‘74 | Physics

Andrew G. De Rocco  
BS ’56 | Chemistry | Mathematics | Physics

Jerry R. Ebner  
PhD ‘75 | Chemistry

Thomas J. Santner  
MS ‘71 | PhD ‘73 | Statistics

Stephen J. Tolopka  
MS ‘76 | PhD ‘81 | Computer Science

James G. Townsel  
PhD ‘68 | Biological Sciences

Gregory B. Young  
MS ‘74 | Earth and Atmospheric Sciences

Andris A. Zoltners  
MS ‘69 | Mathematics

2000

Tan Sun Mark Chen  
PhD ‘72 | Earth and Atmospheric Sciences

Michael Farmwald  
BS ‘74 | Mathematics

Sundaram Krishnamurthy  
PhD ‘71 | Chemistry

Donna M. Osborn  
MS ‘77 | Mathematics

John H. Postlethwait  
BS ‘66 | Biological Sciences

Robert G. Potter  
BS ‘61 | Industrial Economics

David G. Seiler  
MS ‘65 | PhD ‘69 | Physics

Jing Y. Shyr  
PhD ‘84 | Statistics

Joel A. Smoller  
PhD ‘63 | Mathematics
2001

Eileen H. Bedell  
BS ’74 | Chemistry

Donald H. Bilderback  
PhD ’75 | Physics

Don G. Brady  
PhD ’66 | Chemistry

Wendy R. Burt  
BS ’76 | MS ’81 | Biological Sciences

Paul B. Garrett  
BS and MS ’73 | Mathematics

Alan D. Lopez  
MS ’74 | Statistics

Ward E. Sanford  
BS ’83 | Earth and Atmospheric Sciences

John J. Sninsky  
PhD ’76 | Biological Sciences

Michael C. Thurk  
BS ’75 | Computer Science

2002

John H. Campbell  
PhD ’69 | Physics

Janet L. Denlinger  
MS ’67 | Biological Sciences

Christian T. Goralski  
PhD ’68 | Chemistry

Tony J. Hiatt  
BS ’79 | MS ’84 | Biological Sciences

Deng-Yuan Huang  
PhD ’74 | Statistics

H. Richard Lawson  
MS ’68 | Computer Science

Sandra L. Postel  
BS ’75 | Biological Sciences

Donald G. Saari  
MS ’64 | PhD ’67 | Mathematics

Cecilia Sze  
BS ’70 | Chemistry

Chester F. Watts  
PhD ’83 | Earth and Atmospheric Sciences
2003

Roger L. Berger  
MS ’75 | PhD ’77 | Statistics

Leroy Davis  
MS ’72 | PhD ’79 | Biological Sciences

Arthur Y. Elliott  
PhD ’69 | Biological Sciences

Adel F. Halasa  
PhD ’64 | Chemistry

Michael D. Hays  
BS ’65 | MS ’67 | Mathematics

Clare McKinney  
BS ’90 | Biological Sciences

David W. Mortara  
BS ’61 | Physics

Arlene Musser  
BS ’74 | Chemistry

Thomas A. Schroeder  
MS ’71 | PhD ’74 | Earth and Atmospheric Sciences

Beatrice Yormark  
MS ’68 | Computer Science

2004

Lee C. Atkinson  
BS ’71 | MS ’72 | Earth and Atmospheric Sciences

Dean G. Christakis  
BS ’71 | General Science | Biology and Physics

Elaine J. Heron  
BS ’70 | PhD ’74 | Chemistry

Shau-wai Lam  
BS ’63 | MS ’64 | Mathematics
Alan J. Levy  
PhD ’62 | Chemistry

David K. Schrader  
PhD ’83 | Computer Science

Qun Shen  
PhD ’87 | Physics

Jozef L. Teugels  
MS ’66 | PhD ’67 | Statistics

Barbara J. Trask  
BS ’75 | MS ’77 | Biological Sciences

2005

Gregory S. Boebinger  
BS ’81 | Physics

Rita R. Colwell  
BS ’56 | MS ’58 | Biological Sciences

Robert E. Curry  
MS ’71 | PhD ’74 | Chemistry

Woo-Chul Kim  
PhD ’79 | Statistics

Floyd D. Loop  
BS ’58 | Biological Sciences

Patricia A. Mason  
BS ’68 | MS ’71 | Chemistry

Guy A. Meadows  
PhD ’77 | Earth and Atmospheric Sciences

Lawrence D. Stone  
MS ’66 | PhD ’67 | Mathematics

William F. Vendley  
BS ’71 | Biological Sciences

R. Curt Worsley  
BS ’80 | Computer Science
2006

Ray W. Chrisman
PhD ’76 | Chemistry

Dorothy E. Denning
PhD ’75 | Computer Science

Diane K. Fasel
BS ’71 | Mathematics | MS ’72 | Statistics

William P. Glezen
BS ’53 | Biological Sciences

Marcos H. Grimsditch
MS ’73 | PhD ’76 | Physics

Victor L. Hunter
BS ’69 | Physics

James W. Hurrell
MS ’86 | PhD 90 | Earth and Atmospheric Sciences

Scott P. Serota
BS ’78 | Biological Sciences

Nancy J. Skancke
BS ’72 | Mathematics

Shelly A. Witham
BS ’99 | Earth and Atmospheric Sciences

2007

J. Trent Anderson
BS ’61 | Physics

Teresa G. Bowers
BS ’77 | Earth and Atmospheric Sciences

Nancy W. Brickhouse
MS ’86 | PhD ’88 | Chemistry

Bernard J. Bulkin
PhD ’66 | Chemistry

Daniel M. Fleetwood
BS ’80 | Physics
Moira A. Gunn  
MS ’72 | Computer Science

Wen-Jang Huang  
PhD ’83 | Statistics

Barbara A. Kile  
BS ’80 | MS ’81 | Mathematics

William C. Nylin  
MS ’68 | PhD ’72 | Computer Science

Belinda P. Seto  
PhD ’74 | Biological Sciences

2008

Ernestine K. Cary  
BS ’72 | Mathematics

David S. Chen  
MS ’83 | Statistics

Shun-Zer Chen  
MS ’67 | PhD ’70 | Statistics

Rebecca P. Creech  
BS ’96 | MS ’01 | Science Education

N. Reed Dunnick  
BS ’65 | Biological Sciences

David A. Hager  
BS ’79 | Earth and Atmospheric Sciences

Daniel A. Reed  
MS ’80 | PhD ’83 | Computer Science

Patrick J. Starich  
MS ’84 | Earth and Atmospheric Sciences

Lowell E. Wenger  
BS ’71 | MS ’73 | PhD ’75 | Physics

Louis F. Wong  
PhD ’76 | Chemistry
2009

Charles A. Bryan
MS ‘69 | Mathematics

Shirley A. Buccieri
BS ‘73 | Mathematics

L. Dean Chapman
PhD ‘81 | Biological Sciences

J. Alfred Chiscon
MS ‘56 | PhD ‘61 | Biological Sciences

Martha O. Chiscon
PhD ‘71 | Biological Sciences

Marla M. Glover
BS ‘82 | MS ‘85 | Physics

Linda S. Graebner
BS ‘72 | Mathematics

J. Mark Lester
BS ‘75 | MS ‘77 | Earth and Atmospheric Sciences

John P. Longenecker
BS ‘69 | Chemistry

Frederick J. Palensky
PhD ‘77 | Chemistry

William F. Stout
MS ‘64 | PhD ‘67 | Statistics

Stuart H. Zweben
MS ‘71 | PhD ‘74 | Computer Science

2010

L. Celeste Bottorff
BS ‘75 | Physics

Andrew J. Feustel
BS ‘89 | MS ‘91 | Earth and Atmospheric Sciences

David U. Himmelberger
MS ‘72 | Statistics

Thomas Curtis Holmes Jr.
MS ‘86 | Computer Science
Florence L. Juillerat
BS ‘62 | MS ‘67 | PhD ’74 | Biological Sciences

William R. Landwer
MS ‘77 | Earth and Atmospheric Sciences

Sally K. Mason
MS ‘74 | Biological Sciences

William E. Moore
PhD ’67 | Chemistry

Arthur F. Powell
BS ‘66 | Mathematics

Edward R. Shugart III
BS ‘63 | Mathematics

2011

David Capka
MS ‘73 | PhD ‘73 | Computer Science

Tracy A. Choka
BS ‘88 | Mathematics

George R. Garrick
BS ‘74 | Mathematics

William R. Gommel
PhD ‘73 | Earth and Atmospheric Sciences

Paul P. Krishna
MS ‘88 | Earth and Atmospheric Sciences

Thomas A. Longo
BS ‘47 | MS ‘53 | PhD ‘57 | Physics

Timothy J. O’Leary
BS ‘72 | Chemistry

Vaidyanathan Ramaswami
MS ‘76 | PhD ‘78 | Statistics

Chun-Fang Wu
PhD ‘76 | Biological Sciences

Jeffrey K. Young
BS ‘88 | Mathematics
2012

Bruce A. Bradley
BS ’72 | MS ’75 | Mathematics

Thomas Q. Carney
PhD ’84 | Earth, Atmospheric, and Planetary Sciences

Dennis R. Dean
PhD ’79 | Biological Sciences

Lisa M. Hodson-Walker
BS ’86 | Mathematics

David S. Leckrone
BS ’64 | Physics

Larry Lee Peterson
MS ’81 | PhD ’85 | Computer Science

Wayne A. Taylor
BS ’76 | MS ’78 | PhD ’83 | Statistics

Tony Zhang
PhD ’89 | Chemistry

2013

Robert H. Bedoukian
PhD ’75 | Chemistry

Stephen R. Brand
MS ’73 | PhD ’76 | Earth, Atmospheric and Planetary Sciences

Roger L. Dixon
MS ’72 | PhD ’75 | Physics

Jane A. Hamblin
BS ’74 | Mathematics

Lawrence H. Landweber
MS ’66 | PhD ’67 | Computer Science

Robert D. Sherwood
BS ’71 | MS ’73 | Chemistry

Daniel L. Wolak
BS ’75 | MS ’77 | Mathematics

Samuel W. Woolford
MS ’75 | PhD ’79 | Statistics

Hao Wu
PhD ’92 | Biological Sciences
2014

Thomas E. Arenberg
BS ’74 | Mathematics

Bob Beideman
BS ’83 | Statistics

Herbert Borenstein
MS ’79 | Earth, Atmospheric, and Planetary Sciences

Ronald Breaker
PhD ’92 | Biological Sciences

Charlie Cameron
PhD ’83 | Chemistry

Debra Dolby Guillemaud
BS ’79 | MS ’80 | Physics and Astronomy

Cindy Rodenberg
PhD ’96 | Statistics

Anne Cutter Schowe
BS ’72 | Computer Science

2015

Mark Brissman
BS ’77 | Actuarial Science

Warren E. Bulman
MS ’51 | Physics and Astronomy

Lee Congdon
BS ’76 | MS ’77 | Computer Science

Paula S. deWitte
BS ’74 | MS ’75 | Mathematics

Wes Hatfield
PhD ’68 | Biological Sciences

Rick Knabb
BS ’90 | Earth, Atmospheric, and Planetary Sciences

Surendra Kulkarni
MS ’76 | PhD ’78 | Chemistry

Dennis H. Sorge
BS ’62 | PhD ’71 | Science Outreach

Jim Tomkins
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