



Eisgruber urges graduates to 'reclaim our civic culture'



LEFT: Princeton University's 269th Commencement was on Tuesday, May 31. The warm and sunny weather was ideal for Commencement, when the University awarded degrees to 1,291 members of the undergraduate Class of 2016 and 906 graduate students. RIGHT: President Christopher L. Eisgruber smiles from the stage in front of Nassau Hall.

KARIN DIENST

Speaking to graduates at Princeton University's 269th Commencement on Tuesday, May 31, President Christopher L. Eisgruber called for a commitment to engaged discourse and a renewal of civic culture.

In his address to some 10,000 students and guests seated across the sun-dappled front lawn of Nassau Hall, Eisgruber said that while he

was tempted to send off the graduates with "a wish that such high spirits will mark all of your future endeavors," he would not want to "ignore the challenges that are evident all around us."

"The world you enter is, in too many places, troubled and turbulent, fraught with disturbing amounts of anger, resentment and violence," he said. "The world that awaits you will sometimes be frustrating and difficult, but it is a world that needs your talents, your citizenship and your engagement."

He spoke of the "shockingly coarse presidential election campaign" in the United States "occurring at a time when politics has become strikingly polarized."

Such divisions around "ideological silos" might pull people apart, but Eisgruber emphasized the deep experiences Princeton students have had in common.

"You have shared friendships, rivalries, highs and lows, cooperation, competition and conflict, and these

experiences have formed your identities not only as individuals but also as Princetonians," he said.

The "intellectual resources" that allow today's Princeton graduates to "connect with one another" will be important in helping to "resist or reverse the partisanship that so threatens America and the world today," Eisgruber said.

"We need people who commit themselves to forging a public culture

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University celebrates Andlinger Center for Energy and the Environment with ceremony and symposium

Eight years after its founding, the Andlinger Center for Energy and the Environment celebrated its new home with a ribbon-cutting May 18, and kicked off a three-day symposium with leading experts from science, technology, industry and government.

Princeton University created the center in 2008 following a \$100 mil-

lion gift from international business leader Gerhard Andlinger, a member of the Princeton Class of 1952. The center's mission is to preserve the planet through education and research on energy-related environmental issues and sustainable energy technologies such as batteries, building design, solar cells and biofuels. The building, which has many sustainable features, was completed in the fall.

"The work conducted within the Andlinger Center for Energy and the Environment brings together engineers, scholars, scientists and policy experts from throughout our campus, and around the world," said Princeton President Christopher L. Eisgruber. "Their diverse perspectives and experiences spark the synergies essential to developing sources of renewable and affordable energy."

Emily Carter, founding director of the Andlinger Center and incoming dean of the School of Engineering and Applied Science beginning July 1, said she appreciated the permanence of the building, because problems related

to energy and the environment will persist for generations. The building's design embodies the mission, she said, because with "almost every part of the building, you look out on gardens, you look out on nature."

Seeing evidence of melting glaciers in New Zealand was one of the experiences that inspired Andlinger to make

the gift to Princeton to combat climate change. "The lowest-hanging fruit is to reduce waste or increase the efficiency of energy, and it can be done a thousand different ways," Andlinger said.

Also dedicated was the center's lecture hall, Maeder Hall, named in recognition of a gift from Paul Maeder, Class of 1975. ♥



From left, Princeton President Christopher L. Eisgruber, alumnus Gerhard Andlinger, founding director of the center Emily Carter, and Dean of the School of Engineering and Applied Science Vincent Poor cut the ribbon for the Andlinger Center building.

What's inside?



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People

Elizabeth Erickson, who has worked in Princeton's Office of Disability Services (ODS) for nearly 10 years, has been named director for disability services at the University.

The director for disability services is a senior member of the University's Institutional Equity and Diversity team, helping oversee initiatives, policies and procedures that support members of the University community with disabilities.



Erickson

"Liz Erickson has a strong commitment to providing equitable access and a deep knowledge of Princeton," said Vice Provost for Institutional Equity and Diversity Michele Minter. "I am confident that she will bring an innovative approach to supporting our students and educating our campus community about disability as a form of difference rather than deficit."

As director, Erickson leads ODS and helps ensure the University complies with federal and state laws regarding individuals with disabilities. ODS coordinates services and accommodations for undergraduate and graduate students with disabilities, and also works with administrative and academic departments to accommodate faculty, staff and campus visitors with disabilities.

In addition to leading the office, Erickson develops strategic initiatives to increase the overall accessibility of campus and creates programs to educate the campus community about disabilities and inclusion.

Erickson has worked at ODS since the office was established in 2006, and most recently served as associate director for disability services. She has been instrumental in the development of ODS and the coordination of services across campus for students, faculty, staff and visitors.

Before coming to Princeton, Erickson was a purchasing manager at Barse Manufacturing in Chicago and also worked at Stanley Marks and Company accounting firm in Newburgh, New York. She earned a bachelor's degree in business administration from Gettysburg College and a certificate in postsecondary disabilities from the University of Connecticut.

Anne Jarvis, who has been university librarian at the University of Cambridge since 2009, will become the University librarian at Princeton effective Oct. 1.

"Anne Jarvis is one of the world's premier librarians," Princeton University President Christopher L. Eisgruber said. "Her proven track record of exceptional service, technological innovation and responsive

management at Cambridge makes her an ideal leader for Princeton's library system."

Princeton University Library, consisting of the Harvey S. Firestone Library and nine special libraries, is one of the world's most prestigious research libraries. It serves a diverse community of 8,000 students, 1,200 faculty members and many visiting scholars with collections of more than 8 million printed volumes, extensive digital holdings, and distinguished collections of rare books, prints and archives.

"I am absolutely delighted that we have been able to recruit Anne Jarvis to be the next University librarian," said Provost David S. Lee, to whom Jarvis will report. "Anne comes to us with a deep appreciation of the importance of an extraordinary and established collection to a community of world-class scholars and students. She has a reputation for creatively and energetically reaching out to library users, whether they are faculty or students, to understand the many ways the library can best serve their interests."

Jarvis will oversee a staff of more than 350 employees, complemented by a large student workforce.

"I am delighted to be joining such a wonderful university as its librarian," Jarvis said. "I look forward to working with the Princeton Library staff, and to building on the library's reputation of exemplary services and world-renowned collections."

Jarvis has a bachelor's degree from Trinity College Dublin, a diploma in library and information studies from University College Dublin, a master's degree in communication and cultural studies from Dublin City University and a master of arts from Cambridge.

Her library career began in special libraries and included posts in Ireland and the United Kingdom. She began working in academic libraries in 1992 and spent some years at Dublin City University and Trinity College Dublin. In 2000 she was appointed deputy librarian at Cambridge. At Princeton, Jarvis will succeed Karin Trainer, who is retiring

Yueh-Lin (Lynn) Loo, the Theodora D. '78 and William H. Walton III '74 Professor in Engineering and professor of chemical and biological engineering at Princeton University, has been appointed director of the Andlinger Center for Energy and the Environment, effective July 1. Loo ends her term as acting vice dean of the School of Engineering and Applied Science and she succeeds founding director

Emily Carter, who has been appointed dean of engineering.

"Lynn Loo brings a terrific record of research, vision and leadership to the Andlinger Center," said Princeton Provost David S. Lee. "The center has already achieved tremendous momentum under Emily Carter's direction, and I know that Lynn will build quickly on advancing the center's pressing mission to provide energy and environmental solutions that serve humanity and protect our planet."

A leader in organic and plastic electronics, Loo researches the development and processing of materials for low-cost, lightweight and flexible solar cells and circuits. In recent work, Loo's group has developed transparent solar cells to power technology that changes a material's color in response to electrical signals. Such "smart" windows will decrease energy use associated with the heating, cooling and lighting needs of buildings.

The Andlinger Center, founded in 2008, supports research, education, corporate partnerships and outreach aimed at integrating the scientific, technological and policy advances needed to solve problems of energy and the environment. The Andlinger Center is home to seven faculty members who are jointly appointed with a range of academic departments at Princeton and runs a program to fund innovative research that would be difficult to start through conventional funding mechanisms. The center administers two undergraduate certificate programs, a speaker series and internship programs, and has launched a series of technology briefings aimed at policymakers and interested citizens.

In an earlier role as associate director of external partnerships at the center, Loo launched and led the



Loo

Princeton E-affiliates Partnership, a program that enables transformational innovation through collaboration between academic researchers and industry leaders. In taking on the overall leadership of the center, Loo said she intends to continue and broaden her focus on collaboration.

"I want to leverage the Andlinger Center's momentum to build bridges with even more academic units across campus and with peer institutions nationally and internationally," Loo said. "I would also like to expand the center's collaboration with government, industry and NGOs [non-governmental organizations]. With multiple stakeholders around the table, we will together produce energy and environmental solutions to ensure a sustainable future for our planet."

Loo earned dual bachelor's degrees in chemical engineering and materials science and engineering at the University of Pennsylvania and went on to earn her Ph.D. in chemical engineering from Princeton University in 2001. She worked as a postdoctoral researcher and staff member at Bell Laboratories/Lucent Technologies before joining the faculty of the University of Texas at Austin. She joined the Princeton faculty with the rank of associate professor in 2007.

Among numerous honors recognizing her work, Loo has been awarded the John H. Dillon Medal and elected a fellow by the American Physical Society. She has received the Alan P. Colburn Award from the American Institute of Chemical Engineers and has received the Beckman and Sloan fellowships. As one of two scientists representing the United States at the 2010 Summer Davos Meeting, she introduced plastic electronics and organic solar cells to government officials and business leaders. Loo has been chosen as a Young Global Leader of the World Economic Forum.

UNOW spots available

University NOW (UNOW) Day Nursery has two openings in its class for 3-year-olds for the 2016-17 school year. UNOW provides a full-day nursery school program. It is located at 171 Broadmead and is open from 8 a.m. to 6 p.m.

UNOW believes that all aspects of a child's development — physical, social, emotional and cognitive — are equally important, and that all children pos-

sess the right to learn in their own way and at their own pace in the continual process of discovering the self, other human beings and the world.

As a Princeton University-affiliated organization, admission priority is given to children of University faculty and staff. For more information, contact Susan Bertrand at sbertran@princeton.edu or 609-258-9601, or visit www.princeton.edu/unow. ♥

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Submitting events

To submit event notices for the Featured Events calendar on the main University website, visit www.princeton.edu/main/news/share/submitevents.

Seven named to Princeton Board of Trustees

SUSAN PROMISLO

Princeton University has named seven members to its Board of Trustees, effective July 1.

The trustees are:

- Henri Ford and Philip Hammarskjöld, who were elected by the board to serve for eight years as charter trustees;
- Blair Effron and Thomas Roberts, who were elected by the board to serve for four years as term trustees;
- José Alvarez and Derek Kilmer, who were elected by alumni to serve four years as alumni trustees; and
- Azza Cohen, who was elected by the junior, senior and two youngest alumni classes to serve four years as a young alumni trustee.

Biographical information about them follows.

Alvarez, of Boston, is a senior lecturer at Harvard Business School, where he teaches a retailing course and an entrepreneurship course for MBAs and lectures in the Agribusiness Seminar, an international executive program focusing on current issues in the global food system. He shifted to teaching following a nearly 20-year career in the retail grocery industry that culminated with him serving as CEO of the Stop and Shop Supermarket Company. Alvarez received his A.B. in history at Princeton in 1985 and an MBA from the University of Chicago. He serves on a number of corporate and nonprofit boards including TJX Corporation, Digital Lumens, the Joyce Foundation, Daily Table and the National Center on Time and Learning.

Cohen, of Highland Park, Illinois, graduated this year with a degree in history and certificates in South Asian studies and urban studies. Cohen has directed and produced two documentary films during her time at Princeton, “Refugee Refugee” and “Specks of Dust,” and in 2014 worked as an intern at Forbes India. She also has served as program coordinator for the Princeton University Summer Journalism Program, contributed to The Daily Princetonian as an opinion columnist, co-founded the Career Services Student Advisory Board and served on the Commencement Committee for the Class of 2016. Recipient of the Spirit of Princeton Award in 2015, Cohen will spend the year following graduation studying culture and colonialism at the National University of Ireland Galway as a George J. Mitchell Scholar.

Effron, of New York, is co-founder of Centerview Partners, a leading independent investment banking firm specializing in general advisory, mergers and acquisitions, defense

assignments and divestitures. A member of the Class of 1984, Effron received his MBA from Columbia Business School and launched his career in investment banking with Dillon Read (which merged with SBC Warburg and then UBS), holding a variety of senior banking and administrative positions over his 20-year tenure. He serves on the boards of Lincoln Center, New Visions for Public Schools, the Metropolitan Museum of Art, the Council on Foreign Relations and the New York City Partnership. Effron is a member of The Hamilton Project at the Brookings Institution.

Ford, of Los Angeles, is vice president and chief of surgery at Children’s Hospital Los Angeles, as well as vice dean of medical education, professor and vice chair for clinical affairs in the Department of Surgery and Keck School of Medicine. Ford previously served as professor and chief of the Division of Pediatric Surgery and surgeon-in-chief at Children’s Hospital of Pittsburgh and the University of Pittsburgh School of Medicine. After earning his bachelor’s degree from Princeton in 1980, he received his M.D. from Harvard Medical School and later earned a Master of Health Administration from the University of Southern California. A Princeton trustee from 2010-14, Ford has served as president of the Association for Academic Surgery, Society for Black Academic Surgeons and Surgical Infections Society. Among his current leadership roles, Ford is on the American Pediatric Surgical Association Board of Governors and American College of Surgeons Board of Regents.

Hammarskjöld, of Atherton, California, is the chief executive officer of Hellman & Friedman and chairman of the firm’s investment and compensation committees. He held previous positions with Dominguez Barry Samuel Montagu in Sydney and Morgan Stanley in New York. Hammarskjöld serves on the board of overseers of the University of California-San Francisco and is a director of Grocery Outlet Inc. Having received his BSE from Princeton, he went on to earn his MBA from Harvard Business School, where he was a Baker Scholar. Hammarskjöld previously served as a term trustee at Princeton and is the chair of the PRINCO board.

Kilmer, of Gig Harbor, Washington, is United States Representative of Washington State’s 6th congressional district, encompassing Tacoma-Pierce County and the Olympic Peninsula. Graduating in 1996 from the Woodrow Wilson School of Public and International Affairs, Kilmer received the M. Taylor Pyne Honor Prize, the highest

honor awarded to a Princeton undergraduate. As a senior he received a Marshall Scholarship and went to the University of Oxford, earning a Ph.D. in social policy. Kilmer put his interest in solving local problems to work, returning to Washington state to work in economic development. In 2005, he was first elected to public office, serving in the Washington State House of Representatives and the state senate until he was elected to the U.S. Congress in 2012. A member of the House Appropriations Committee since 2014, Kilmer has been named one of the 10 most effective members of Congress by The Washington Post.

Roberts, of Wellesley, Massachusetts, oversees Summit Partners’ Peak Performance Group and Credit Team and is active in the firm’s equity

investment activities in North America and Europe. Since joining the firm in 1989, he has served as a director of more than 30 companies, including Aurora Diagnostics, B&W TEK, Infor Global Solutions and LiteCure. Prior to Summit, Roberts was an analyst at Booz Allen Hamilton. He received an A.B. in economics from Princeton and an MBA from Harvard Business School, where he was a Baker Scholar. Roberts is a member of the advisory board of the Alydar Funds, Summit’s public equity investment management affiliate, the national council of the American Enterprise Institute, and the Fessenden School board of trustees.

Completing their terms as trustees on June 30 are Jaime Ayala, Angela Groves, Laurence Morse, Robert Murley, Ruth Simmons and John Wynne. ♥

More news on the Web

Visit the News at Princeton webpage at www.princeton.edu/main/news for recent stories, such as:

- Three Princeton University faculty have been elected to the National Academy of Sciences in recognition of their distinguished and continuing achievements in original research: Roberto Car, the Ralph W. *31 Dornte Professor in Chemistry and the Princeton Institute for the Science and Technology of Materials; Igor Klebanov, the Eugene Higgins Professor of Physics; and Stanislas Leibler, a professor at the Institute for Advanced Study and a Princeton visiting lecturer with the rank of professor in physics.
- The Princeton University chapter of Phi Beta Kappa presented its annual awards for excellence in undergraduate teaching to Pablo Debenedetti, dean for research, the Class of 1950 Professor in Engineering and Applied Science and professor of chemical and biological engineering, and Susan Wolfson, professor of English.
- Thirty high school students from around the United States have been named recipients of the 2016 Princeton Prize in Race Relations and were honored April 29-30 during the annual Princeton Prize Symposium on Race, held on the University campus.
- Before arriving to campus, members of Princeton’s Class of 2020 will read “Our Declaration: A Reading of the Declaration of Independence in the Defense of Equality” by political philosopher Danielle Allen, Class of 1993. President Christopher L. Eisgruber, described this year’s Pre-read as “a profound and engaging book that speaks to urgent questions about the relationship of liberty to equality, the significance of historical legacies, and the meaning of political documents.”
- Scientists from Princeton University and NASA have confirmed that 1,284 objects observed outside Earth’s solar system by NASA’s Kepler spacecraft are indeed planets. Reported in The Astrophysical Journal, it is the largest single announcement of new planets to date.
- An enlarged photograph of U.S. President Woodrow Wilson throwing out the first pitch at a baseball game was removed from the wall of a dining hall at Wilson College, one of Princeton’s residential colleges, based on the recommendation of Wilson College students that was supported by Head of the College Eduardo Cadava and University leaders.
- Joseph Scherrer, Class of 2016, is one of 12 students nationwide to be named 2016 Hertz Fellows by the Fannie and John Hertz Foundation. Fellows receive a stipend and full tuition support valued at \$250,000 for up to five years of graduate study in the applied physical, biological and engineering sciences. Scherrer, from Nashville, Tennessee, will pursue a Ph.D. in physics at the Massachusetts Institute of Technology.
- Death rates have declined among children and young adults in the poorest counties in the United States, according to a study published in Science by Janet Currie, Princeton’s Henry Putnam Professor of Economics and Public Affairs, and Hannes Schwandt of the University of Zurich. These children may be more likely to live healthier lives as they grow older, regardless of the poverty level where they live.
- Five faculty members in the Lewis Center for the Arts’ Program in Theater were nominated for or received major awards: Jane Cox, lecturer in theater, received the Ruth Morley Design Award from the League of Professional Theatre Women and was nominated for a Drama Desk Award for Outstanding Lighting Design for a Musical for “The Color Purple”; John Doyle, visiting lecturer with the rank of professor in theater, was nominated for a Drama Desk Award for Outstanding Director of a Musical and a Tony Award for Best Direction of a Musical for “The Color Purple”; Riccardo Hernandez, lecturer in theater, was nominated for a Drama Desk Award for Outstanding Set Design for a Play for “Red Speedo”; Anita Yavich, lecturer in theater, was nominated for a Drama Desk Award for Outstanding Costume Design for a Play for “The Legend of Georgia McBride”; and Anne Washburn, lecturer in theater, received the Herb Alpert Award in the Arts, a prize of \$75,000 given annually to pioneering mid-career artists.

Employee obituaries

The following is an updated list of University employee obituaries.

Current employees

April 2016: **Dawn Tindall**, 56 (2003-2016, Princeton Neuroscience Institute).

May 2016: **Susan Dever**, 54 (2015-2016, Princeton Plasma Physics Laboratory); **Dennis Marini**, 63 (1970-2016, Frick, special facilities).

Retired employees

November 2015: **William Zimmer**, 70 (2003-2014, Princeton Plasma Physics Laboratory).

February 2016: **Leroy Hill**, 85 (1969-1993, building services); **Louis Hyjurick**, 73 (1986-2001, housing and real estate); **Eleanor May**, 91 (1973-1991, mathematics).

March 2016: **Richard Palladino**, 82 (1955-1998, Princeton Plasma Physics Laboratory).

April 2016: **Harry Creacy**, 83 (1964-1994, Princeton Plasma Physics Laboratory); **Michael Dudas**, 70 (1997-2009, facilities finance and administrative services); **Catherine Patterson**, 73 (1967-2010, physics); **Robert Rushing**, 83 (1959-1997, mason shop); **Joan Wyckoff**, 80 (1972-2004, molecular biology).

May 2016: **Frank Anderson**, 76 (1962-1998, Princeton Plasma Physics Laboratory); **Charles Hutton**, 82 (1970-1999, dining services); **John O’Rourke**, 89 (1984-1992, Princeton Plasma Physics Laboratory).

Board approves 16 faculty appointments

SUSAN PROMISLO

The Princeton University Board of Trustees has approved the appointments of 16 faculty members.

Professors

Benjamin Raphael, in computer science, will join the faculty in fall 2016 from Brown University. He has been on the faculty at Brown since 2006 and has directed the Center for Computational Molecular Biology since 2013. His lab focuses on next-generation DNA sequencing, structural variation, genome rearrangements in cancer and evolution, and network analysis of somatic mutations in cancer. Raphael has been honored with the National Science Foundation CAREER Award and was named one of “Tomorrow’s PIs” by Genome Technology magazine. He received his B.S. from the Massachusetts Institute of Technology and Ph.D. from the University of California-San Diego, where he was a postdoctoral fellow.

Allan Sly, in mathematics, will join the faculty in summer 2016 from the University of California-Berkeley, where he has served on the faculty since 2011. Sly was a postdoctoral fellow at Microsoft Research following the completion of his Ph.D. from UC-Berkeley. Winner of an Alfred P. Sloan Research Fellowship, he earned his B.S. and M.Phil. from Australian National University. An expert in discrete probability theory, his research examines its applications to problems from statistical physics and theoretical computer science to theoretical statistics.

Ilya Vinitsky, in Slavic languages and literatures, will join the faculty from

the University of Pennsylvania, effective summer 2016. Vinitsky has taught at Penn since 2003. He received his Ph.D. and diploma from Moscow State Pedagogical University. An expert in classical Russian literature, Vinitsky explores the history of emotions, and 19th-century intellectual and spiritual history. He recently published a book on the “emotional biography” of poet and translator Vasily Zhukovsky, the father of Russian Romanticism, who influenced several generations of Russian authors.

Associate professor

Cheng-hua Wang, in art and archaeology, comes from National Taiwan Normal University to join the Princeton faculty in fall 2016. A specialist in the history of early modern and modern Chinese art, Wang received her B.A. and M.A. from National Taiwan University and Ph.D. from Yale University. Wang first taught at National Taiwan Normal University as an assistant professor from 1999 to 2001, and later returned as adjunct associate professor from 2009 to 2016. From 2001 to 2007, she served as an assistant research fellow at Academia Sinica, and has continued as an associate research fellow there through 2016.

Assistant professors

Byron Ahn will be appointed assistant professor of linguistics in the Council of the Humanities this summer. Ahn, who has been a visiting assistant professor at Swarthmore College since 2015, earned his B.A. from Cornell University and his Ph.D. from the University of California-Los Angeles.

Elena Fratto, in Slavic languages and literatures, will join the faculty this summer from Harvard University, where she earned her Ph.D. this year. An expert in Russian formalism and the history of science, she also holds a Ph.D. from the University of Milan.

Adam Goldstein will join the Princeton faculty as an assistant professor of sociology and public affairs this summer. A postdoctoral fellow at Harvard since 2014, Goldstein earned his B.A. from Reed College and a Ph.D. from the University of California-Berkeley.

Andrew Alan Johnson, in anthropology, will join the faculty this summer from Yale-NUS College in Singapore, where he has been an assistant professor since 2013. He completed postdoctoral fellowships at the National University of Singapore and at Columbia University, and taught as an assistant professor at Sogang University in Korea. Johnson earned his B.A. from the College of William and Mary, M.A. from George Washington University, and Ph.D. from Cornell University.

Laura Kalin, in linguistics and the Council of the Humanities, will join the faculty this summer from the University of Connecticut, where she has been a postdoctoral fellow since 2014. Kalin received her B.A. from McGill University and her Ph.D. from the University of California-Los Angeles.

Gillat Kol, in computer science, will join the faculty this summer from the Institute for Advanced Study, where she has been a postdoctoral researcher since 2013. Kol completed her B.A. at Open University of Israel and earned her Ph.D. from the Weizmann Institute.

Nicole Legnani, in Spanish and Portuguese, will join the faculty this summer after having served as a postdoctoral fellow at Harvard. Legnani earned her bachelor’s and doctoral degrees from Harvard, in addition to a master’s from Yale.

Daniela Mairhofer, in classics, will join the faculty this summer. She comes to Princeton from the University of Vienna, where she has been an assistant professor since 2014. From 2007-14 she served first as a research assistant and then as a senior researcher at the University of Oxford. She received her B.A. and Ph.D. from the University of Innsbruck.

Ellis Monk Jr., in sociology, will join the faculty this summer from the University of Chicago, where he was a postdoctoral fellow and an assistant professor. Monk received his B.A. from the University of Michigan and his Ph.D. from the University of California-Berkeley.

Daniel Sheffield, in Near Eastern studies, will join the faculty this summer from the University of Washington, where he has been an assistant professor since 2015. Sheffield completed a postdoctoral fellowship at Princeton and earned his B.A. and Ph.D. from Harvard.

Gavin Steingo, in music, will join the faculty this summer. Since 2012, Steingo has been an assistant professor at the University of Pittsburgh. He received his B.A. from the New England Conservatory of Music and Ph.D. from the University of Pennsylvania.

Michael Zalatel, in physics, will join the faculty this summer from Microsoft Research, where he has been a postdoctoral researcher. Zalatel also did postdoctoral work at Stanford University. He earned his B.A. from Harvard and his Ph.D. from the University of California-Berkeley. ♥

McKay to retire as VP for Facilities after nearly 40 years at Princeton

EMILY ARONSON

Vice President for Facilities Michael McKay has announced plans to retire at the end of the calendar year, concluding a nearly 40-year career at Princeton University.

McKay has served in his current role since 2003 and has worked at the University since 1977.

As vice president for Facilities, McKay oversees the departments involved with the planning, operation and maintenance of the University’s physical space. This includes: Building Services; Grounds and Building Maintenance; Engineering and Campus Energy; Facilities Finance and Administrative Services; Facilities Operations and Maintenance; the Office of Design and Construction; the Office of Real Estate Development; the Office of Sustainability; and the Office of the University Architect.

“Mike McKay has been a superb leader for Princeton’s Facilities Organization and a devoted steward of this University’s campus,” President Christopher L. Eisgruber said. “Generations of Princetonians will benefit from the care, expertise and hard work that he and his dedicated team have invested in our buildings and grounds. I am grateful for his exceptional service to Princeton.”

Executive Vice President Treby Williams, to whom McKay reports,

observed that during McKay’s tenure as vice president for Facilities, the University has engaged in the most comprehensive campus planning processes in its history.

“The University built 1.5 million square feet, from the Frick Chemistry Laboratory and Whitman and Butler college projects, to the newly opened Andlinger Center for Energy and the Environment,” Williams said. “Princeton has served as an international model for our energy-saving co-generation facility and practices, and created and made extraordinary progress on the institution’s first Sustainability Plan. All the while, Mike has carefully stewarded our grounds and buildings. His leadership and deep knowledge were critical to these and countless other accomplishments that have enhanced the research, teaching and campus experience for the University community.”

McKay started at the University as assistant director of engineering in Facilities and later was promoted to director of engineering. He then served for 10 years as general manager of plant and services, where he was responsible for several departments within Facilities.

McKay said there were countless interesting projects and developments during his career at Princeton.

“If I was going to single out one thing that marks my time at Princeton, it is the pleasure of working with everyone in Facilities,” he said. “The dedication, hard work and fellowship of the staff make Facilities a special place.”

Before coming to Princeton, McKay was as a senior physicist with West-

inghouse and served as an officer in the Army Corps of Engineers. He is a member of the Association of Higher Education Facilities Officers, and has served as president of the International District Energy Association and on the boards of the New Jersey Independent

Energy Producers and the American Coalition of Competitive Energy Suppliers. He also was a member of a Congressional Blue Ribbon Panel that evaluated energy options for the U.S. Capitol.

McKay earned a bachelor of science in engineering degree from the U.S. Military Academy at West Point and a master’s degree in management from Boston University.

Williams will lead a national search for a new vice president for Facilities to succeed McKay. ♥



McKay



Members of Princeton University’s Class of 2016 recently partnered with the assisted living facility Brandywine Living at Princeton on an event dubbed the Centenarian Senior Prom. About 30 University students, 9 centenarians and 15 residents between 90 and 100 participated in the semiformal event. Above, senior Alan Hatfield and Vernie Van Dyke, age 101, enjoy the festivities.

Herrera bridges Latinx culture and popular performance

JAMIE SAXON

Brian Herrera began developing one of his primary research methods — watching and re-watching TV shows and films — even before he hit third grade.

“I was a TV hound. I would watch the same episode of ‘Gilligan’s Island’ over and over again,” said Herrera, an assistant professor of theater in the Lewis Center for the Arts at Princeton University.

Being a latchkey child also played a role. Both his parents worked and didn’t get home until late. Herrera grew up in the 1970s in a rural New Mexico town outside Albuquerque. Even with access to only two channels, NBC and PBS, he watched and re-

understood itself at that moment,” Herrera said.

Herrera came to Princeton in 2012 from the University of New Mexico, where he taught world theater history and performance theory. He earned a bachelor’s degree in American civilization from Brown University, a master’s degree in American studies from the University of New Mexico and a Ph.D. in American studies from Yale University.

“Brian possesses tremendous vision about the possibilities of theater and performance studies, as well as Latino and American studies, at Princeton,” said Stacy Wolf, professor of theater and acting chair of the Lewis Center for the Arts.

Herrera said. “I had lived through three or four other ‘Latin explosions’ where the same claim had been made, where Latinos were suddenly about to be important. The book looks at why these moments of Latin explosion happened.

“My hope is that the book is a referent point for whenever we have these ‘Latin’ explosions, one of which is happening right now,” he said. He noted three major television shows that launched between November 2015 and January 2016 helmed by major Latina stars: Eva Longoria in “Telenovela,” (telenovelas are Latino soap operas), America Ferrera in “Superstore” and Jennifer Lopez in “Shades of Blue” — all of which followed on the heels of 2014’s “Jane the Virgin,” which parodies telenovelas and features a majority Latino cast and characters who speak only Spanish.

Herrera is working on a new book, “Casting: A History,” which he said grew out of his research for “Latin Numbers.” “I kept going to the library and looking for a history of casting — with its controversies around race and gender and equity — and I couldn’t find one,” he said.

A theater-maker who nurtures ‘creative intellect’ in the classroom

The creative and the academic reside hand in hand in Herrera’s work as a theater-maker, scholar and teacher.

His autobiographical show “I Was the Voice of Democracy” — about an essay he wrote as a teenager that won a national contest — premiered in 2010 in Albuquerque and has been seen in venues from New York to Beirut and Abu Dhabi. In 2013, he launched two new story work shows, “Boys Like That” and “Touch Tones.”

“Professor Herrera’s work sits at the intersection of many different fields and illuminates their commonalities,” said Rosina Lozano, assistant professor of history.

The themes that inform his theatrical and scholarly endeavors are also reflected in the courses he teaches at Princeton. These include “Queer Boyhoods,” “Autobiographical Storytelling” and “Playing Against Type.” The courses often are cross-listed in theater, gender and sexuality studies, American studies, and Latino studies.

“We don’t have to talk about questions in terms of politics, then history, then literature; we talk about them all at the same time,” Herrera said. “That’s what we do as theater artists; it’s also what we do as interdisciplinary scholars. That’s one of the great luxuries and privileges I am allowed at Princeton.”

Every class he teaches includes a creative component and a critical component. “I love tuning into what I call the creative intellect — how you ask an intellectual question and use art as a way to explore that and then as an artist ask how those questions land in a scholarly mode. Creative intellect is the suturing between artistic and academic practices,” he said.

Freshman Justin Sansone took Herrera’s “Playing Against

Type” in fall 2015 and described the course as “an in-depth analysis of the current process of casting performance work ... where representation of persons of color and LGBT actors is finally becoming part of the conversations which determine who tells stories in film, theater and television.”

Sansone said: “I have never had an educator who uses creativity as a catalyst for negotiating ambiguity and discovering clarity so well. Professor Herrera combines intellectual discourse with very hands-on artistic projects, be it acting through scene work or experimenting with monologue, voice and movement. He encourages his students to be critical thinkers, but also creators and active, curious learners.”

Another facet of Herrera’s creative engagement with the scholarly process can be found in the “acadoodles” he draws at lectures he attends — a combination of key phrases and doodling, which he creates with colored markers in a standard composition book.

“They get at the heart of the speaker’s message and capture their own words along with the essence of their argument/message,” Lozano said.

An ‘open’ mentor and teacher

When Arlene Gamio decided to pursue an independent concentration in Latinx studies, the sophomore was unsure about what first step to take. After meeting Herrera at a Latinx and LGBTQQA panel in fall 2015, Gamio asked for help in drafting a proposal. “He was very open to my ideas and agreed very early on to support my project,” Gamio said.

Gamio took Herrera’s course “Movements for Diversity in American Theater” and said going to class is “an invitation to an honest dialogue concerning the issues at hand. ... While you are learning all these amazing new concepts, it is very enjoyable and excitable, which opens a more natural flow of discussion in the classroom.”

Herrera also serves as an academic adviser at Mathey College, one of Princeton’s six residential colleges.

Sansone, one of Herrera’s advisees, said: “He has been an essential role model and mentor for me. Additionally, if not more importantly, it was extremely comforting to have Professor Herrera, a proud gay man who devotes his life to theater, performance and literature, as someone to turn to for guidance when I first came to Princeton.”

Sansone looks forward to taking more courses with Herrera. “He has taught me to have faith in myself and my work, and for that I am grateful beyond measure. I hope to continue to learn from Professor Herrera and see what wonderful scholarship and artwork he creates in the future.” ♥



Brian Herrera, an assistant professor of theater in the Lewis Center for the Arts at Princeton, is a self-described “cultural historian” whose work, both academic and creative, examines the history of gender, sexuality and race within and through U.S. popular performance.

watched everything from “The Brady Bunch” to “Sesame Street” and “The Muppet Show.”

When his father’s work took the family to an expatriate community in Saudi Arabia, Herrera would spend hours immersing himself in the neighborhood’s ad hoc collection of VHS tapes of movies and TV shows.

Herrera said his curiosity about cultural stereotypes and references “became part of the gathering encyclopedia in my brain; I started being interested in filling in those gaps.” Thus began a lifelong fascination with TV, film and theater. Herrera’s work, both academic and creative, examines the history of gender, sexuality and race within and through U.S. popular performance. His recent scholarship focuses on Latinx intersections in this arena.

“Being an avid re-watcher serves me as a scholar and teacher, because when you see something again, you see different things,” he said. There are movies, such as “West Side Story,” Herrera has watched hundreds of times, “but every time I see it, I see a different movie.”

“Brian is the most important scholar today working at the intersection of American performance studies and Latino studies,” said Wendy Laura Belcher, associate professor of comparative literature and African American studies. “His work urges us not to look only at how stereotypes victimize Latinos, which they surely do, but at how Latinos participate in constructing American popular culture and in determining a new future.”

“I consider myself a cultural historian of U.S. popular performance and what it tells us about how that culture

One ‘Latin explosion’ after another

Herrera wrote “The Latina/o Theatre Commons 2013 National Convening: A Narrative Report,” an account of the first national gathering of Latina/o theater-makers since the 1980s. His 2015 book, “Latin Numbers: Playing Latino in Twentieth Century U.S. Popular Performance,” has received wide acclaim, including the George Jean Nathan Award for Dramatic Criticism.

The Nathan Committee took particular note of Herrera’s analysis of the success and impact of the 1957 musical “West Side Story,” which takes up a chapter in the book. Herrera examines every aspect of the groundbreaking musical — from the media controversy surrounding the depiction of Puerto Ricans to the decision to cast unknown Latino/a actors — weaving in issues of politics, economics and cultural identity, peppered with theater trivia.

“The book is an important contribution to the field of Latino/a popular culture studies,” said Wolf. “[Brian’s] work intertwines history and analysis of performance through a Latino lens. The chapter on ‘West Side Story’ completely changed how people think about that musical. The book is now required reading in the field.”

The book grew out of Herrera’s dissertation. “I decided to write the book in the context of the summer of 1999, the summer that everyone was ‘Livin’ La Vida Loca’ [the hit song by Latino star Ricky Martin, which won the Grammy for Song of the Year],” he said.

“The historian in me was frustrated by the lack of historical awareness that this ‘newness’ of Latinos in U.S. popular entertainment and performance was being celebrated as a new thing,”



One facet of Herrera’s creative engagement with the scholarly process can be found in the “acadoodles” he draws at lectures he attends — a combination of key phrases and doodling, which he creates with colored markers in a standard composition book.

Princeton alumni celebrate and reconnect at Reunions 2016



Approximately 25,000 Princeton alumni and friends attended Reunions 2016 Thursday, May 26, through Sunday, May 29. **LEFT:** Kevin Smith, who earned a Master in Public Affairs from the Woodrow Wilson School of Public and International Affairs in 2012, traveled from Kentucky with his wife, Tina, and their son, Theodore. **CENTER:** Class of 1996 graduate Sabrina Parsons (center) speaks at the Alumni-Faculty Forum “Entrepreneurs — Are They Wired Differently?” Parsons, CEO of Palo Alto Software, and other alumni shared their opinions on what it takes to be a successful entrepreneur. **RIGHT:** Nisha Cartee of the Class of 1998 (second from left in back row) says Princeton Reunions are also like a family reunion because her husband (second from right), father (far right) and brother (not pictured) are all alumni. Here, the family enjoys arts and crafts at the 20th Reunion headquarters.

Commencement

Continued from page 1

that enables a shared, respectful and engaged discourse through which we can negotiate differences and address the urgent issues confronting us,” he said. “Taking up that project will call upon all the resources that your liberal arts education has provided you.”

Eisgruber added, “Renewing our civic culture requires many things, not least among them a certain humanistic imagination.”

He gave two examples.

Eisgruber spoke of his friend Mickey Edwards, the former Republican congressman from Oklahoma, who previously taught at the Woodrow Wilson School of Public and International Affairs at Princeton.

“He had a reputation as an independent thinker and a maverick,” said Eisgruber. He described how Edwards decided to confront the polarization in politics by working with the Aspen Institute to create a program for state politicians centered around three-day philosophical seminars that would bring people together and help build bridges across party lines.

For his second example, Eisgruber lauded Lin-Manuel Miranda, the creator and star of the hit musical “Hamilton.”

“Unlike most musicals, ‘Hamilton’ is self-consciously and unabashedly political, and, unlike most things political, it appeals powerfully to both sides of the ideological spectrum,” Eisgruber said. “Lin-Manuel Miranda has thus done something that neither our politicians nor our current Supreme Court seem capable of doing, namely, he has produced an intelligent and inspirational account of the American founding that transcends political lines.”

Eisgruber said that Princeton’s own “struggles with history” — notably the “reckoning” this year with “Woodrow Wilson’s racism and, more broadly, with this University’s exclusionary past,” underscore the need to understand one another and to address the future collectively.

Said Eisgruber: “We need to be able to see other people’s points of view, and we must forge shared spaces for disagreement and deliberation. And understanding one another requires,

among other things, finding new ways to comprehend the history that has affected, and continues to affect, different groups and individuals in different ways.”

In closing, Eisgruber encouraged the graduates to return often to Nassau Hall with updates on their progress as they bring “leadership and engagement” to help address such challenges. With his congratulations and best wishes, he said, “We are proud of you, we will miss you, and we eagerly anticipate what you will achieve, because all of you are now, and forever shall be, part of Princeton’s Great Class of 2016!”

Milestones and memories

The ceremony’s two other speakers were valedictorian Cameron Platt, an English major from Santa Barbara, California, and salutatorian Esther Kim, an English major from Marietta, Georgia.

Platt said she initially was daunted to speak to her fellow students who represent such “exquisite variety” and whose time at Princeton has been “rich with difference.”

She described how as a Princeton student she became more aware of how important it is to have the right to speak — and how crucial it is to listen.

“As we fixate on the right to speak, we cannot forget its attendant imperative: to listen,” Platt said. “I hope that all of us might listen to others with compassion, with care, and with a keen awareness of the responsibility that we carry as speakers. Because the truth is that we never speak only for ourselves. The things that we say, and the things that we do not say, change the lives around us.”

Kim delivered the salutatory address in Latin. This Princeton tradition dates to the first Commencement in 1748, when the entire ceremony was conducted in Latin. The Latin Salutatory, Princeton’s oldest student honor, began as a formal address but today often contains humorous tributes and a warm farewell to Princeton campus life.

In her address, Kim honored her classmates and said [English translation]: “We have shared many experiences — suffering wounds caused by meningitis vaccines, surviving floods and blizzards, fighting (and often losing) battles with our schoolwork, etc. ... I leave you with this: Seize the day — and the years to come!”

The University awarded degrees to 1,291 undergraduates in the Class of 2016, five from former classes and 906 graduate students. It also conferred

honorary degrees upon six people for their contributions to the humanities, journalism, economics, law, medicine and public service: Ben Bernanke, former Federal Reserve chairman who previously served on the Princeton faculty; Eric Foner, the DeWitt Clinton Professor of History at Columbia University; Robert Rivers, retired surgeon and Princeton alumnus; Shuli Hu, journalist and founder of Caixin Media in China; Bryan Stevenson, public-interest lawyer and founder of the Equal Justice Initiative; and Froma Zeitlin, the Ewing Professor of Greek Language and Literature, Emeritus, at Princeton.

Princeton also honored excellence in teaching at the Commencement ceremony. Four Princeton faculty members received President’s Awards for Distinguished Teaching and four outstanding secondary school teachers from across New Jersey were recognized for their work.

On May 30, seniors were recognized at Class Day ceremonies in the University Chapel, rather than on Cannon Green, due to the threat of thunderstorms. The keynote speaker was best-selling novelist Jodi Picoult, a member of the Class of 1987.

Picoult urged students to stay true to their moral compass. “Thanks to years of lessons from your parents and your friends and your professors, the knowledge of what is right already burns inside you like a pilot light. ... In fact your only job, as an official grownup, is to not lose sight of that flame.”

In the afternoon, advanced-degree recipients participated in the Hooding

ceremony in Jadwin Gymnasium, where Dean of the Graduate School Sanjeev Kulkarni congratulated the students. More than 100 degree recipients elected to be hooded by their faculty advisers in recognition of the close mentoring relationship that often develops during graduate study.

“Our purpose today is to recognize the efforts, dedication and accomplishments of our graduates, to congratulate them on completing master’s and doctoral programs, and to celebrate their transitions into a broad range of careers in which they will achieve distinction over the coming years,” Kulkarni said.

Randall Kennedy, a 1977 Princeton alumnus, former trustee and the Michael R. Klein Professor of Law at Harvard Law School, spoke at the interfaith Baccalaureate service May 29 in the chapel. He called on the Class of 2016 to advocate for higher education.

Kennedy said: “Insistence upon academic freedom. Facilitation of respectful deliberation. Joy in academic discovery. Delight in artistic brilliance. A determination to do better tomorrow than we did today. These are the representative features of the Princeton that inspires us, the Princeton we admire, the Princeton we love, the Princeton in whose honor we ought to be ambassadors for higher education.”

Webcasts of Princeton graduation events are available on the University’s Media Central website at mediacentral.princeton.edu. Images are available at www.princeton.edu/pr/gradpics/2016. ♥

Commencement by the numbers

Princeton University awarded degrees to 1,291 undergraduates in the Class of 2016, five from former classes and 906 graduate students at its 269th Commencement.

Those students receiving degrees in the Class of 2016 included:

- 647 men, 644 women
- 974 bachelor of arts
- 317 bachelor of science in engineering
- A total of 602 undergraduates, or 47 percent of the class, received honors, including:
 - 140 highest honors
 - 211 high honors
 - 251 honors

Graduate students receiving degrees included:

- 373 Doctor of Philosophy
- 363 Master of Arts
- 60 Master in Public Affairs
- 31 Master of Architecture
- 28 Master in Finance
- 26 Master of Science in Engineering
- 18 Master in Public Policy
- 4 Master of Fine Arts
- 2 Master of Engineering; and
- 1 Master of Arts in Near Eastern Studies

Commencement Events 2016



Photo by Denise Applewite



Photo by Denise Applewite



Photo by Mark Czajkowski



Photo by Denise Applewite



Photo by Neel Valero



Photo by Denise Applewite



Photo by Denise Applewite



Photo by Denise Applewite



Photo by Denise Applewite



Photo by Denise Applewite



Photo by Denise Applewite



Photo by John Jameson

1) Randall Kennedy, a member of the Class of 1977, former Princeton trustee, and Harvard Law School professor, emphasizes the importance of supporting higher education in his Baccalaureate address. **2)** Class Day keynote speaker Jodi Picoult, a bestselling novelist and 1987 alumna, and President Christopher L. Eisgruber lead the informal processional at the beginning of the celebration. **3)** At the Graduate School Hooding ceremony, Justene Hill (left), who earned a Ph.D. in history, receives her hood from her adviser, Tera Hunter. **4)** Seniors smile for the camera while standing on front campus. **5)** Fidelina Martinez and Juan Leiva, natives of El Salvador who live in Trenton, New Jersey, help their son Gerson Leiva (center), the first in his family to go to college, get ready before the Commencement processional. **6)** Cameron Platt, an English major from Santa Barbara, California, delivers the valedictory oration. **7)** President Eisgruber (center) with honorary degree recipients (from left) Bryan Stevenson, Robert Rivers, Eric Foner, Ben Bernanke, Froma Zeitlin and Shuli Hu. **8)** Esther Kim delivers the salutatory address. **9)** Dan Zeltzer, who earned a Ph.D. in economics, celebrates with his wife, Efrat Kedem, and their 3-month-old daughter, Amalia. **10)** President Eisgruber (center) with the President's Awards for Distinguished Teaching recipients (from left) Robert George, Celeste Nelson, Brian Kernighan and Michael Cook. **11)** Director of the Program in Teacher Preparation Christopher Campisano (left) and President Eisgruber (third from right) with New Jersey secondary school teacher award winners (from left) Richard Wertz, Matthew Morone, Barbara Fasano and Ronald Duncan Jr. **12)** Having just stepped through FitzRandolph Gate, members of the Class of 2016 celebrate receiving their degrees from Princeton.

Faculty obituaries

Ronald C. Davidson, a pioneering plasma physicist for 50 years and former Princeton University professor of astrophysical sciences who directed the U.S. Department of Energy's Princeton Plasma Physics Laboratory (PPPL) during a crucial period of its history, died May 19 in Cranbury, New Jersey, from complications of pneumonia. He was 74.

"Ron was an anchor for the laboratory both through his science and through his wisdom," said Stewart Prager, director of PPPL and a Princeton professor of astrophysical sciences. "His prodigious contributions not just to PPPL's science but also to plasma physics writ large are clear and widely known. Within the laboratory, he was a mentor and a guide to people young and old. His impact within the laboratory was enormous."

Davidson led PPPL from 1991 to 1996, a challenging time when the lab was preparing the Tokamak Fusion Test Reactor (TFTR) for experiments with deuterium and tritium, recalled Dale Meade, who was deputy director then. The experiment was a 24-hour-a-day, seven-day-a-week enterprise and broke new ground in fusion energy research, Meade said. In November 1994, the TFTR achieved 10.7 million watts of fusion energy, a world record at the time and enough to power up to 3,000 homes. The machine set many world records before it was shut down in 1997 after Davidson stepped down as director.

Davidson kept notes on all the experiments in small green spiral notebooks, Meade said. Every Sunday morning, he would call Meade and department heads for a full report. "He was just amazing in terms of how organized he was and how thorough in terms of analyzing the situation and developing plans to move forward," Meade said. "What made it all even more pleasurable is he was so easy to work for and work with. He was extremely personable."

Davidson was an expert in fields including high-intensity charged particle beams, which studies the collective behavior of billions of charged particles that speed together through accelerators. These particles can fly apart and burst against an accelerator's walls, ruining experiments. His contributions to understanding the behavior of these huge collections of particles, which are denser than those in today's accelerators, could greatly increase the scientific contributions from future accelerators.

After serving as director of PPPL, Davidson was deputy director of the



Davidson

U.S. Heavy Ion Fusion Science Virtual National Laboratory, a collaboration with the Lawrence Livermore and Lawrence Berkeley national laboratories. He also worked on the Paul Trap Simulator Experiment at PPPL, which simulated a particle accelerator. Both projects ended in 2012.

Davidson was a prolific researcher, writer and academic. He wrote four graduate-level plasma physics textbooks, more than 500 articles and served as editor of the journal *Physics of Plasmas* from 1991 until last year.

Davidson was a professor in Princeton's Department of Astrophysical Sciences for 20 years until 2011, and at one point served as associate department chair. Adam Sefkow, a physicist at Sandia National Laboratory, one of many graduate students whom Davidson advised, recalled that Davidson was "an excellent mentor. He was very patient — a top-shelf scientist," Sefkow said. "He led by example with his wisdom and judgment, his intelligence and productivity."

Davidson was born in Canada in 1941 and grew up on a family dairy farm near Norwich, Ontario. He was driving a tractor by age 11 and attended elementary school in a one-room schoolhouse. He credited farm life with giving him a strong work ethic. He became interested in plasma physics while studying physics at McMaster University in Hamilton, Ontario. In 1963, he enrolled in the new Program in Plasma Physics at Princeton, then directed by the late Princeton physicist Thomas Stix, and received his Ph.D. in 1966.

During his career, Davidson worked at several prominent institutions. He became PPPL director after spending a decade at the Massachusetts Institute of Technology as a faculty member and founding director of the Plasma Fusion Center.

He did postdoctoral research for two years at the University of California-Berkeley. He went on to become a physics professor at the University of Maryland for a decade, with one year as a visiting researcher at Los Alamos National Laboratory. He spent two years as assistant director for Applied Plasma Physics in the Department of Energy in Washington, D.C., before going to MIT.

Davidson won numerous honors in his lifetime, including the prestigious James Clerk Maxwell Prize in Plasma Physics in 2008, the highest national honor in plasma physics. He was a fellow of the American Physical Society and the American Association for the Advancement of Science.

In a 2014 interview, Davidson said he was optimistic about fusion energy becoming a reality, noting that "sci-

entific progress in fusion has been enormous. What the field has accomplished with increasingly sophisticated diagnostic tools, major experimental facilities, and advanced numerical simulations is quite stunning," he said.

In reflecting on his long career, Davidson said he had spent a lifetime doing what he loved. "When you talk about physicists working," he said, "you should keep in mind that they are engaged in activities that they enjoy very much."

Davidson is survived by Jean Davidson, his wife of 53 years; his daughter, Cynthia Premru, of Groton, Massachusetts; his son, Ronald Crosby Davidson Jr., of Princeton; and four grandchildren, Will and Maddy Premru, and Crosby and Cayley Davidson.

Ralph Freedman, professor of comparative literature, emeritus, at Princeton University, died May 5 of natural causes at his home in Decatur, Georgia. He was 96.

Freedman joined the Princeton faculty in 1965 and retired in 1988. He taught for two post-retirement years at Emory University.

"Over the course of his long career, Professor Ralph Freedman published works of literary criticism about modern European and American literature, translations from German, prize-winning historical novels, and several



Freedman

influential scholarly biographies," said Eileen Reeves, professor of comparative literature and department chair. "The range of Professor Freedman's critical and creative interests, and his commitment to the study of foreign languages and literatures, made him a crucial force in the early days of this department."

Freedman came to Princeton as a senior fellow of the humanities and a visiting professor of comparative literature after teaching in the English department at the University of Iowa for eight years. At that time comparative literature was only a graduate program at Princeton; it expanded to include undergraduate courses in 1972. Freedman was named professor of comparative literature in 1966.

Along with Joseph Frank, the Class of 1926 Professor of Comparative Literature, Emeritus, and Robert Fagles, the Arthur Marks '19 Professor of Comparative Literature, Emeritus, Freedman helped organize the program into the Department of Comparative Literature in 1975.

"Ralph Freedman taught me why it is important to be a humanist and that

the true value of literature was that it allowed us to confront our best and worst moments with both critical distance and passion," said Kathy Komar, who earned her Ph.D. in 1977 and is a professor of comparative literature at the University of California-Los Angeles. "He was generous with both his time and his wisdom for students and colleagues alike. And he made sure that he did everything in his power to help us succeed in our careers. He was a genuine mentor who looked out for us over many years beyond graduate school," she said.

As a literary theorist, his research focused on the lyric and prose fiction from the late 18th century through the present, primarily in English, German and French literatures. He formed the governing board of senior fellows for a new national school of literary criticism at the University of California-Irvine in 1975.

Born Feb. 24, 1920, in Hamburg, Germany, Freedman emigrated at 19 to England and then to the United States. He became a naturalized citizen in 1942, and from 1943-45 served in the U.S. Army, in intelligence in the field during World War II in Tunisia and Italy and, at the end of the war, in a counterintelligence team in Austria.

Freedman graduated Phi Beta Kappa from the University of Washington in 1948. In 1950 he earned a master's in philosophy from Brown University, where he was a teaching assistant for two years, and in 1954 he received his Ph.D. in comparative literature from Yale University.

He is the author of two historical novels based on his war experiences: "Divided" (1948) and "Rue the Day" (2009). His published works in literary criticism include "The Lyrical Novel: Studies in Hermann Hesse, Andre Gide and Virginia Woolf" (1963, Princeton University Press). Freedman wrote the biographies "Hermann Hesse: Pilgrim of Crisis" (1978), which has been translated into German and Italian, and "Life of a Poet: Rainer Maria Rilke" (1996), which he began to research and write while at Princeton with a Guggenheim Fellowship in 1980 and was published after his retirement.

Freedman held fellowships from the American Council of Learned Societies, the Guggenheim Foundation and the National Endowment for the Humanities, and was active in professional societies such as the Modern Language Association and the American Comparative Literature Association.

He is survived by two sons, Jonathan, of Ann Arbor, Michigan, and Mark, of New York, and six grandchildren.

Employee retirements

The following is an updated list of University employee retirements.

Effective April 1: in the department of molecular biology, research specialist **June Fukayama**, after 25 years; in the plumbing shop, plumber **William Koch Sr.**, after 29 years.

Effective May 1: in the Office of Design and Construction, senior interior designer **Debra Barresse**, after 14 years; in Campus Dining, department office support staff fellow **Audrey Kilbride**, after 35 years; in support services in the Office of Information Technology, director, service management office **Leila Shahbender**, after 28 years; in academic technology services

in the Office of Information Technology, senior developer/analyst **William Thomas**, after 24 years.

Effective June 1: in administrative information services in the Office of Information Technology, senior developer/analyst II **Vytautas Abraitis**, after 33 years; in the Princeton Plasma Physics Laboratory, senior computational scientist **Robert Andre**, after 16 years; in the art museum, museum facilities manager **Craig Hoppock**, after 14 years; in building services, janitor **Brian Lanzi**, after 15 years; in the Princeton Plasma Physics Laboratory, engineering associate I **Edmond McBride**, after 46 years; in University Health

Services, coordinator, physical therapy **Russell Steves**, after 30 years.

Effective July 1: in operations and planning in the Office of Information Technology, senior manager for finance **Shane Farrell**, after 28 years; in public safety, shift assistant supervisor **James Glasson Sr.**, after 28 years; in the Woodrow Wilson School, executive assistant to the dean **Marianne Goldfarb**, after 17 years; in athletics, men's and women's diving head coach **Gregory Gunn**, after 29 years; in art and archaeology, research scholar **Adelaide Hagens**, after 50 years; in engineering and applied science, building manager **Robert Kennedy**, after 44 years; in the

deputy university librarian's office, coordinator, Stokes Library operations and special collections **Hattie Lively**, after 37 years; in the Princeton Institute for International and Regional Studies, department office support and project administrator **Patricia Zimmer**, after 36 years.

Effective September 1: in the Woodrow Wilson School, professional specialist **Sharon Brucker**, after 13 years; in athletics, women's track and field head coach **Peter Farrell**, after 39 years; in athletics, men's and women's fencing assistant coach **Hristo Hristov**, after 10 years.

More than 40 diversity task force initiatives completed or in progress

EMILY ARONSON

Princeton University has made significant progress during the past year to foster a more inclusive campus climate, and continues to implement new programs and practices related to issues of diversity, equity and inclusion.

In May 2015, a Special Task Force on Diversity, Equity and Inclusion endorsed more than 40 strategies to improve the campus environment. A progress report on the task force's recommendations notes that, a year later, all of the recommended actions have begun and many are complete.

"We have made important progress this year, but our work is ongoing," Vice Provost for Institutional Equity and Diversity Michele Minter said. "Ensuring an inclusive campus climate requires a sustained and long-term commitment. New activities and ideas will emerge, and we want to continue to engage students, faculty and staff in these efforts."

Highlights of the progress to date include:

- Appointing LaTanya Buck as dean for diversity and inclusion, a new position in the Office of the Vice President for Campus Life.
- Allocating additional funding for staff and student-initiated programs at the Carl A. Fields Center for Equality and Cultural Understanding, Women's Center, and Lesbian, Gay, Bisexual and Transgender (LGBT) Center.
- Adjusting programming and the use of space at the Fields Center to better serve the needs of students of color, as well as creating a diversity peer educators program at the center.
- Providing funding to hire faculty and develop courses to expand academic offerings related to issues of race, ethnicity, culture and difference. An initiative to diversify the faculty has been underway for a few years, while a number of courses focused on cultural identity and diversity were taught for the first time this year and more are scheduled for next year.
- Expanding communications to graduate students about identity-based resources for them.
- Developing new or expanded diversity-related programming for

undergraduate and graduate student orientations.

- Expanding training for administrators and student leaders about how to respond to bias concerns, as well as providing training opportunities on inclusive teaching practices for faculty and Assistants in Instruction (AIs).
- Establishing the Campus Conversations on Identities initiative to support campus-wide public programs about identity and difference.

Other task force recommendations should be fully implemented during the upcoming 2016-17 academic year, and resources are in place to ensure that new programs and practices requiring ongoing attention will receive continued support.

Among ongoing initiatives, the first phase of renovation at the Fields Center is scheduled for completion by fall 2016 and further work is expected in 2017. Students have helped identify renovation needs so the center may serve as a hub for cultural affinity groups and focus programming on issues related to diversity, inclusion and social justice.

Some of the continued efforts for the next academic year include:

- The offices of the dean of the college and vice president for campus life continuing to expand programs that address social and cultural needs of low-income and first-generation students. The Office of the Dean of the College has already launched the Scholars Institute Fellows Program, which builds on the Freshman Scholars Institute summer program, to offer comprehensive mentorship and support to low-income and first-generation students during their four years at Princeton.
- The Office of the Dean of the Faculty identifying more opportunities to offer diversity and inclusion training for faculty.
- The Office of the Vice President for Campus Life continuing to work with eating club leadership to offer diversity-related training, as well as working with the undergraduate and graduate student governments to include diversity, equity and inclusion as core values for student organizations.

Faculty, student, staff and trustee groups, including the new Board of Trustees Special Committee on Diversity and Inclusion, will continue to provide oversight and help review ongoing University initiatives.

"The themes of the task force's report will remain institutional priorities as this important work continues," Minter said. ♥

Faculty news

The Board of Trustees has approved the following faculty moves.

Promotions

Thirteen faculty members will be promoted effective July 1.

Professor — **Jeffrey Dolven**, English; **Devin Fore**, German; **Jenny Greene**, astrophysical sciences; **Elizabeth Harman**, philosophy and the University Center for Human Values; **Elad Hazan**, computer science; **Jakub Kastl**, economics; **Stacey Sinclair**, psychology and African American studies; **Nicholas Turk-Browne**, psychology.

Associate professor — **Lisa Boulanger**, Princeton Neuroscience Institute; **Sarah McGrath**, philosophy; **Mala Murthy**, molecular biology and the Princeton Neuroscience Institute; **Gerard Wysocki**, electrical engineering.

Assistant professor — **Javier Gómez Serrano**, mathematics.

Endowed professorships

Fourteen faculty members have been named to endowed professorships, effective July 1, except where noted.

- **Victor Kofi Agawu**, the Hughes-Rogers Professor of Music.
- **David Bellos**, the Meredith Howland Pyne Professor of French Literature.
- **Elizabeth Gavis**, the Damon B. Pfeiffer Professor in the Life Sciences.
- **Daniel Garber**, the A. Watson Armour, III University Professor of Philosophy.
- **Zemer Gitai**, the Edwin Grant Conklin Professor of Biology.
- **Hans Halvorson**, the Stuart Professor of Philosophy.

• **Lars Hedin**, the George M. Moffett Professor of Biology.

• **Wendy Heller**, the Scheide Professor of Music History, effective Sept. 1.

• **Mark Johnston**, the Henry Putnam University Professor of Philosophy.

• **Joshua Katz**, the Cotsen Professor in the Humanities.

• **Simon Levin**, the James S. McDonnell Distinguished University Professor in Ecology and Evolutionary Biology, effective Aug. 1.

• **Anne McClintock**, the A. Barton Hepburn Professor of Gender and Sexuality Studies.

• **Tracy K. Smith**, the Roger S. Berlind '52 Professor in the Humanities.

• **James Stone**, the Lyman Spitzer Jr., Professor of Theoretical Astrophysics.

Resignations

The following faculty members have submitted their resignations, effective July 1 except where noted:

• **Adam Beaver**, assistant professor of history, to accept a position at Harvard University.

• **Shamik Dasgupta**, associate professor of philosophy, to accept a position at the University of California-Berkeley, effective June 30.

• **Myrto Kalouptsi**, assistant professor of economics, to accept a position at Harvard University.

• **Zsolt Patakfalvi**, assistant professor of mathematics, to accept a position at École Polytechnique Fédérale de Lausanne.



Scientists, Princeton University administrators and policymakers visited the Princeton Plasma Physics Laboratory (PPPL) May 20 to dedicate the National Spherical Torus Experiment (NSTX-U), an upgraded spherical tokamak fusion reactor. U.S. Department of Energy Secretary Ernest Moniz (center) is pictured with (from left) Stefan Gerhardt, principal research physicist at PPPL; Princeton University President Christopher L. Eisgruber; David McComas, vice president for PPPL and professor of astrophysical sciences; U.S. Sen. Cory Booker; U.S. Rep. Bonnie Watson Coleman; and Stewart Prager, director of PPPL and professor of astrophysical sciences.

Eighteen faculty members transfer to emeritus status

USHMA PATEL

Eighteen Princeton University faculty members were transferred to emeritus status in recent action by the Board of Trustees. Transfers are effective July 1, 2016, except where noted.

They are:

- Scott Burnham, the Scheide Professor of Music History and professor of music, effective Sept. 1, 2016;
- Edward Champlin, the Cotsen Professor in the Humanities and professor of classics;
- Douglas Clark, professor of computer science, effective Feb. 1, 2016;
- Ronald Comer, lecturer with continuing appointment of psychology, effective Feb. 1, 2016;
- John Cooper, the Henry Putnam Professor of Philosophy;
- Angus Deaton, the Dwight D. Eisenhower Professor of International Affairs and professor of economics and international affairs;
- Paul DiMaggio, the A. Barton Hepburn Professor of Sociology and Public Affairs, effective Feb. 1, 2016;
- Robert Freidin, professor of linguistics in the Council of the Humanities;
- J. Richard Gott III, professor of astrophysical sciences;
- Abdellah Hammoudi, professor of anthropology;
- Nancy Weiss Malkiel, professor of history;
- Kirk McDonald, professor of physics;
- Ignacio Rodríguez-Iturbe, the James S. McDonnell Distinguished University Professor of Civil and Environmental Engineering and the Princeton Environmental Institute;
- Jerome Silbergeld, the P.Y. and Kinmay W. Tang Professor in Chinese Art and professor of art and archaeology;
- P. Adams Sitney, professor of visual arts in the Lewis Center for the Arts;
- Szymon Suckewer, professor of mechanical and aerospace engineering;
- Ronald Surtz, professor of Spanish and Portuguese languages and cultures;
- Robert Willig, professor of economics and public affairs.

Scott Burnham is a scholar of the history of music theory, analysis and criticism renowned for his interpretation of music from the 18th and 19th centuries. He has published nearly 50 articles, most focusing on the music of Mozart, Beethoven and Schubert. His 1995 book, "Beethoven Hero," won the Wallace Berry Award from the Society for Music Theory as the outstanding book in music theory, and his 2013 monograph, "Mozart's Grace," won the Otto Kinkeldey Award from the American Musicological Society for exceptional merit.



Burnham

On campus, Burnham has been a popular instructor, an active adviser and member of many University committees, and he has held numerous positions in the music department, including two terms as chair. He was honored with the 2013 Howard T. Behrman Award for Distinguished Achievement in the Humanities at Princeton.

Burnham earned his bachelor's degree at Baldwin-Wallace College, his master's at Yale School of Music and his Ph.D. at Brandeis University. He taught at the State University of New York at Stony Brook before joining the Princeton faculty in 1989. Upon his transfer to emeritus status, Burnham will join the Graduate Center of the City University of New York.

Edward Champlin studies the social and cultural history of ancient Rome.

His books include "Fronto and Antoinine Rome," on the society revealed by the letters of the tutor of Marcus Aurelius; "Final Judgments: Duty and Emotion in Roman Wills," an exercise in the social history of the law; and "Nero," an exploration of the motives of a very bad man but an extraordinarily creative artist.



Champlin

Champlin has been a Humboldt Fellow at Heidelberg University, a resident at the American Academy in Rome, a visiting fellow at Christ Church at the University of Oxford, and a National Endowment of the Humanities fellow. Next year, he will be a member at the Institute for Advanced Study to complete a book on the second emperor of Rome, Tiberius, as a master manipulator of myth.

Champlin holds a B.A. and M.A. at the University of Toronto, and D.Phil. from Oxford. Chair of the classics department for six years and head of Butler College for eight years, he retires after 41 years at Princeton.

Douglas Clark's research has focused on computer architecture and organization, particularly techniques for measuring and analyzing the performance of modern processors.

After earning an engineering degree from Yale University, Clark received his Ph.D. from Carnegie Mellon University. He worked at Xerox Palo Alto Research Center and Digital Equipment Corporation and taught at Harvard University before joining the Princeton faculty in 1993.



Clark

In the private sector, Clark worked on hardware design, implementation and performance analysis. At Princeton, he worked on the Scalable High-Performance Really Inexpensive Multi-Processor (SHRIMP) project, specializing in performance monitoring issues, automatic projector alignment for a multiscreen display wall, and low-power techniques for modern microprocessors. He also was a popular professor and mentor to undergraduates and graduate students, known for explaining abstract concepts in concrete ways. He received the Undergraduate Engineering Council's Excellence in Teaching award three years in a row.

Ronald Comer has studied, taught and advised on the topics of social and clinical psychology throughout his career. He received his bachelor's degree from the University of Pennsylvania and his Ph.D. from Clark University. He joined the Princeton faculty in 1975.

Comer has written several textbooks: "Abnormal Psychology," now in its ninth edition; "Fundamentals in Abnormal Psychology"; and "Psychology Around Us," with Princeton's Elizabeth Gould.

Comer, who received the President's Award for Distinguished Teaching in 1993, has taught a number of popular courses in abnormal psychology, developmental psychopathology and controversies in clinical psychology. He also developed a clinical psychology program for undergraduates, including giving students opportunities to engage in independent research with mental health facilities and advising students interested in health professions. He has served on many departmental and University commit-



Comer

tees, including serving as chair of the Institutional Review Board, which oversees human research participant studies.

John Cooper is a renowned scholar of ancient philosophy, with a focus on ancient ethics and politics and a broader interest in ancient epistemology, metaphysics and philosophy of mind. His first book, "Reason and Human Good in Aristotle," won the American Philosophical Association's 1977 Matchette Foundation Book Prize. Cooper has since published



Cooper

works on Plato, Seneca, ancient moral psychology and ethical theory, and ways of life depicted in ancient philosophy. He has brought these topics into the classroom in formats ranging from freshman seminars to the graduate-level classical philosophy program.

Cooper has been recognized at Princeton with the Graduate Mentoring Award and the Howard T. Behrman Award for Distinguished Achievement in the Humanities. He has held fellowships from the National Endowment for the Humanities, American Council of Learned Societies, and John Simon Guggenheim Memorial Foundation, and was elected to the American Academy of Arts and Sciences.

Cooper earned his bachelor's degree at Harvard, attended Corpus Christi College at the University of Oxford on a Marshall Scholarship, and returned to Harvard for his Ph.D. He taught at Harvard and the University of Pittsburgh before being appointed to the Princeton faculty in 1981.

Angus Deaton received the 2015 Nobel Memorial Prize in Economic Sciences for his body of research in consumption, poverty and welfare. Among the best known of his works are three books: "Economics and Consumer Behavior" with John Muellbauer, "Understanding Consumption," and "The Analysis of Household Surveys." Deaton is also widely known for research with Princeton's Anne Case on mortality of middle-aged white Americans, and for research with Princeton's Daniel Kahneman on the link between income and happiness. Some of Deaton's other key research topics are demand analysis, econometrics, saving behavior, measuring poverty in India, commodity pricing, and the relationship between health status and economic status.



Deaton

Deaton is a fellow of the Econometric Society, a corresponding fellow of the British Academy, a fellow of the American Academy of Arts and Sciences, an honorary fellow of the Royal Society of Edinburgh and an honorary fellow of Fitzwilliam College, Cambridge. He is a member of the American Philosophical Society and of the National Academy of Sciences.

Deaton earned his B.A. and Ph.D. from the University of Cambridge. He taught at the University of Bristol before joining the Princeton faculty in 1983.

Paul DiMaggio's research contributions span several areas in sociology. He has studied the production and consumption of art, including research on the classification of art and how cultural capital determines life success. DiMaggio's work on organizational analysis with Walter Powell on mechanisms leading organizations to



DiMaggio

herd-like behavior has been influential and widely cited. DiMaggio has also studied polarization in American public opinion, the role of network externalities in social stratification, and the relationship between culture and cognition.

In addition to being an intellectual leader in the field, DiMaggio has mentored numerous graduate students who now teach at leading departments across the country, and he has served on many University and national committees. He is a member of the American Academy of Political and Social Science, the American Academy of Arts and Sciences and the American Philosophical Society.

DiMaggio earned his bachelor's degree at Swarthmore College and his Ph.D. at Harvard. He taught at Yale before coming to Princeton in 1992. DiMaggio is now a professor of sociology at New York University.

Robert Freidin is a scholar of generative linguistics and grammar, a framework for understanding human language pioneered by his former colleague, Noam Chomsky, and others in the 1950s. Working with the premise that human beings have an innate faculty for understanding and constructing language, Freidin has focused on how humans construct



Freidin

sentences. He has written a number of key papers and essays in the field.

He has also studied the history of generative linguistics and edited a landmark six-volume collection, "Syntax: Critical Concepts," with Howard Lasnik. Freidin's courses in linguistics at Princeton have led him to publish two textbooks, "Foundations of Generative Syntax" and "Syntax: Basic Concepts and Applications."

Freidin received his B.A. from the University of California-Berkeley and then earned his Ph.D. at Indiana University Bloomington. After stints at Purdue University, the Massachusetts Institute of Technology, Brown University and McGill University, Freidin joined the Princeton faculty in 1985.

J. Richard Gott III is noted for his contributions to cosmology and general relativity. One seminal 1972 paper, with Princeton's James Gunn, studied the Coma Cluster of galaxies. In 1986, he proposed that the clustering pattern of the galaxies in the universe should be sponge-like, and that widely cited paper has now been confirmed by surveys of the sky. In 2004, he and doctoral student Mario Jurić produced a diagram known as the "Map of the Universe," looking from Earth back to the Big Bang. Gott has also written about the possibility of time travel, based on his discovery of exact solutions to Einstein's

field equations for the gravitational field around cosmic strings.

Gott has received the Robert J. Trumpler Award of the Astronomical Society of the Pacific, an Alfred P. Sloan



Gott

Fellowship, the Astronomical League Award and Princeton's President's Award for Distinguished Teaching.

Gott earned his bachelor's degree from Harvard and his Ph.D. at Princeton. After fellowships at the California Institute of Technology and the University of Cambridge, he joined the Princeton faculty in 1976.

Emeritus

Continued from page 10

Abdellah Hammoudi is an anthropologist who has conducted fieldwork in his native Morocco as well as in Libya, Saudi Arabia and India, as a way of examining issues including development, political economy, civil society, authority, legitimacy, democracy and religious experience. He has written books on Moroccan ritual tradition and Moroccan authoritarianism, and he authored an acclaimed personal and ethnographic account of his own journey of the hajj, "A Season in Mecca."

For more than a decade, Hammoudi served as director of Princeton's Institute for the Transregional Study of the Contemporary Middle East, North Africa and Central Asia. He has also taught, lectured and edited a collection of essays on fieldwork with Princeton's John Borneman.

Hammoudi earned licenses in sociology and philosophy from the Mohammed V University in Rabat, Morocco, and a doctorate from the Sorbonne. He taught at Mohammed V University, New York University, the University of California-Los Angeles and the École des hautes études en sciences sociales, and he consulted on development issues across North Africa. He joined the Princeton faculty in 1991.

Nancy Weiss Malkiel is a scholar of 20th-century American history. Her principal publications are "The National Urban League, 1910-1940," "Farewell to the Party of Lincoln: Black Politics in the Age of FDR" and "Whitney M. Young Jr. and the Struggle for Civil Rights." Her latest book, "Keep the Damned Women Out: The Struggle for Coeducation," will be published in September.

For 24 years, from 1987 to 2011, Malkiel served as Princeton's dean of the college, overseeing all aspects of undergraduate education. Some of her signature accomplishments during this period were implementing the University's groundbreaking no-loan financial aid policy, increasing opportunities for study and work abroad, enhancing academic programs for freshmen, expanding the residential college system and the founding of the McGraw Center for Teaching and Learning.

After receiving her B.A. at Smith College, Malkiel earned her Ph.D. at Harvard. She joined the Princeton faculty in 1969.

Kirk McDonald has been at the forefront of experimental high-energy particle physics research throughout his career. In the 1970s, he studied the quark structure of hadrons at Fermilab, the world's highest-energy accelerator laboratory at the time. In the next decade, McDonald conducted research and designed a detector at the Superconducting Super Collider in Texas. Next, he was a founding member of the BaBar experiment at the Stanford Linear Accelerator Center, serving on the executive board and playing a lead role in the design and construction of one of the chambers. Results from BaBar in 2001 confirmed a theory of matter known as the Standard Model, whose theorists were awarded the 2008 Nobel Prize.

Most recently, McDonald has been involved in the Daya Bay Reactor Neutrino Experiment near Hong Kong, and the team's research was awarded a Breakthrough Prize in Fundamental Physics in 2016. He has published

extensively, and his teaching has been highly rated by students.

McDonald earned his bachelor's degree at the University of Arizona and his Ph.D. at Caltech. He then took a fellowship at CERN, the European particle physics laboratory, and a fellowship at the University of Chicago before joining the Princeton faculty in 1976.

Ignacio Rodríguez-Iturbe is a pioneer in the field of hydrology. He is known for developing rigorous mathematical theories for hydrologic processes and for geophysical and biological processes for which the water cycle plays a central role. His work has provided methods for examining fundamental problems in hydrology, for solving engineering problems linked to drought and flood, and for studying rainfall, vegetation's interplay with the water cycle, and river networks.

Rodríguez-Iturbe is the author of several influential textbooks on hydrology, river basins and ecohydrology. He is a member or fellow of many academic societies, and he has won numerous awards, most notably the Bowie Medal of the American Geophysical Union and the Stockholm Water Prize of the Stockholm International Water Institute.

Rodríguez-Iturbe attended the University of Zulia in Venezuela for his undergraduate education. He received a master's degree from Caltech and a Ph.D. from Colorado State University. He then taught at the University of Zulia, MIT, Simón Bolívar University, the International Institute of Advanced

Studies in Caracas, the University of Iowa and Texas A&M University. Rodríguez-Iturbe joined the Princeton faculty in 1999.

Jerome Silbergeld is an esteemed scholar of Chinese art history. He served as the founding director of Princeton's Tang Center for East Asian Art, and he nurtured it into a leading center for Asian art in the United States through its symposia, lectures and scholarly books.

Silbergeld has continued to publish, lecture and curate museum exhibitions during his tenure. Some of the topics on which he has written are the aesthetics of old age in Chinese painting, body image in Chinese films, landscape painting and the family model in Chinese art and culture. His courses have spanned traditional and contemporary Chinese painting, architecture and gardens, and Chinese cinema and photographs.

Silbergeld taught at the University of Washington for 25 years before coming to Princeton in 2001. He earned his bachelor's and doctoral degrees at Stanford University, and he

earned a master's degree at the University of Oregon.

P. Adams Sitney is a leading historian of avant-garde cinema. He is the author of "Visionary Film: The American Avant Garde," which was published in 1974. In 1970, Sitney co-founded the Anthology Film Archives, an international center for the preservation, study and exhibition of film and video, with a particular focus on independent, experimental and avant-garde cinema.

Sitney is the author of four other books about film, editor of many journals and anthologies, and recipient of numerous honors, including the American Academy in Berlin's Anna-Maria Kellen Berlin Prize.

He is a member of the American Academy of Arts and Sciences.

Sitney joined the Princeton faculty in 1980, and he has taught courses on film history, major filmmakers, the language of cinema and avant-garde cinema.

He also has taught courses outside of film studies, participating in humanities sequence courses on great books in Western European and American civilization. His efforts earned him the University's President's Award for Distinguished Teaching in 2010. Sitney earned his bachelor's degree and his Ph.D. from Yale.

Szymon Suckewer is a premier scientist in the field of X-ray lasers and plasma spectroscopy.

Among his many honors, Suckewer won the American Physical Society's Award for Excellence in Plasma Physics Research in 1990 and its Arthur L. Schawlow Prize in Laser Science in 2007.

Suckewer is a fellow of the American Physical Society and American Optical Society. He has published more than 200 papers and has more than two dozen patents and patent applications.

After earning his M.S. at Moscow University and his Ph.D. and D.Sc. at Warsaw University, Suckewer was a researcher and professor at Warsaw's Institute of Nuclear Research. He joined the Princeton Plasma Physics Laboratory in 1975 and became the principal research physicist in charge of the X-Ray Laser Project in 1980. Suckewer's group developed several types of soft X-ray lasers and inexpensive diagnostic methods for fusion devices.

Suckewer was appointed to the Princeton faculty in 1987, after which he headed a new X-ray lab on campus and became director of the Program in Plasma Science and Technology. In recent years, he has added research interests in bioengineering and medical application of lasers, and plasma spark plugs for internal combustion engines that decrease their negative effects on the environment.

Ronald Surtz's scholarship has focused on religious texts, particularly religious writings by women in the pre-modern period. His books have covered the influence of medieval liturgy and courtly festivities on early modern Spanish drama; themes of gender, power and authority in the sermons of the Franciscan nun Mother Juana de la Cruz; and 15th- and 16th-century texts of religious women in Spain who inspired St. Teresa of Avila. Surtz has also edited two collections of essays, an anthology of edited plays, and a translation of de la Cruz's sermons.

At Princeton, where he has taught since 1973, his courses have spanned the departments of Spanish and Portuguese languages and cultures, history, religion, music, art, architecture and comparative literature.

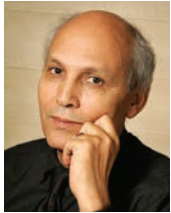
Surtz earned his B.A. at Yale and received a Ph.D. from Harvard.

Robert Willig studies industrial organization, regulation and antitrust. His paper "Consumer's Surplus Without Apology" rejuvenated quantitative applications of welfare economics to policy analysis. One of his lasting contributions to research on industry structure is his co-authored 1982 book "Contestable Markets and the Theory of Industry Structure," which analyzes the determinants of prices and structure in economic markets without entry barriers.

Willig's body of published research has contributed to understanding of theory and policy of predatory practices, nonlinear pricing, network access pricing, impacts of mergers, privatization, intellectual property disputes, and various forms of legal and administrative regulation in a wide variety of industry settings.

Willig's interest in antitrust and regulation extended beyond academia. He was the deputy assistant attorney general for economic analysis in the Antitrust Division of the U.S. Department of Justice from 1989 to 1991, and he has advised state, federal and international agencies on welfare-enhancing economic regulation. Willig was a co-founder of the international economic consultancy Compass Lexecon.

After earning his bachelor's degree at Harvard, Willig received his Ph.D. from Stanford. He worked in the economics group at Bell Labs before joining Princeton in 1978. Willig served for many years as the faculty chair of the Master in Public Affairs program and of the economics field in the Woodrow Wilson School. ♥



Hammoudi



Rodríguez-Iturbe



Sitney



Willig



Malkiel



Photo by Denise Applewhite

United Way of Greater Mercer County Vice President for Resource Development Sandra Toussaint-Burgher (second from left) joined University staff members Jessica Talarick (left), Erin Metro (center left), and Kristin Appelget (second from right) from the Office of Community and Regional Affairs; Daniel Sherman (center right) from the Office of Finance and Treasury; and Jaclyn Immordino (right) from the Office of Human Resources, in recognizing the University's total contribution of \$142,890 to the United Way campaign.

Princeton Research Day highlights work from opera to plasma

MICHAEL HOTCHKISS

Frist Campus Center was the center of Princeton University's research universe May 5 as more than 150 undergraduates, graduate students and postdoctoral researchers presented their work at the first Princeton Research Day.

The event highlighted research from the natural sciences, engineering, social sciences, humanities and the arts in a wide range of formats — all designed with the general public in mind.

"It's a wonderful cross-section of the research enterprise at Princeton," said Pablo Debenedetti, dean for research, the Class of 1950 Professor in Engineering and Applied Science and professor of chemical and biological engineering.

A taste of the day's diversity of research:

- Senior Heather O'Donovan sang a piece from her English translation of the 19th-century comic opera "Les Noces de Jeannette."

- Postdoctoral researcher Luca Comisso highlighted the characteristics of plasma, such as how milk spreads through hot coffee and the stuff of the universe itself.

- Graduate student DJ Rasmussen explained his efforts to make climate change projections accessible to people making long-term financial decisions.

On the first level of Frist, students, faculty, staff and community members circulated around poster presentations, admired art installations and watched digital presentations. The second and third floors were the site of 90-second

and 10-minute presentations, poster displays and performances. Impromptu presentations and question-and-answer sessions could be heard around every corner.

Julia Peiperl, a junior in the Department of English who is pursuing certificates in theater and music theater, shared sketches and costume designs she created for a February performance of Sophocles' tragedy "Elektra," which was set in the 1950s.

"There are lots of people in the arts and humanities here, which is really cool, because I don't think people realize how much research goes into costume design," Peiperl said. "I really like being able to show off all of the research and thought that went into the costumes."

Regardless of the type of research being conducted, postdoctoral researcher Grant Murphy said it is crucial to be able to convey it to the general public.

"All scientists are ambassadors to the general public," said Murphy, who presented his work on creating proteins with senior Matthew Volpe. "Science can be truly transformative and the more scientists are able to explain what they do, the better society will be able to understand and adopt new technologies and techniques."

To help presenters be prepared to share their work with a broad audience, a wide range of workshops and one-on-one assistance were available in the weeks leading up to the event.

"The workshops were designed to help undergraduates, graduate students and postdocs communicate their stories more effectively, to share their research in a way that others not



Photo by Denise Applewhite

Anthropology major Kujegi Camara performs narratives inspired by her senior thesis, an ethnography of the Soninke people in Western Africa.

only grasp it but appreciate it. That is harder to do than it might seem," said John Weeren, director of the Princeton Writes program, who led a session on designing and delivering a captivating presentation.

In all, Princeton Research Day presented an important opportunity for undergraduates, said Jill Dolan, dean of the college, the Annan Professor in English and professor of theater in the Lewis Center for the Arts.

"Princeton is one of the very few universities, really, in the world where undergraduate students are encouraged to do the kind of original research that every single undergraduate on this campus does," she said. "So taking the opportunity at the end of the year to do a major public event in which students can present that work is groundbreaking." ♥

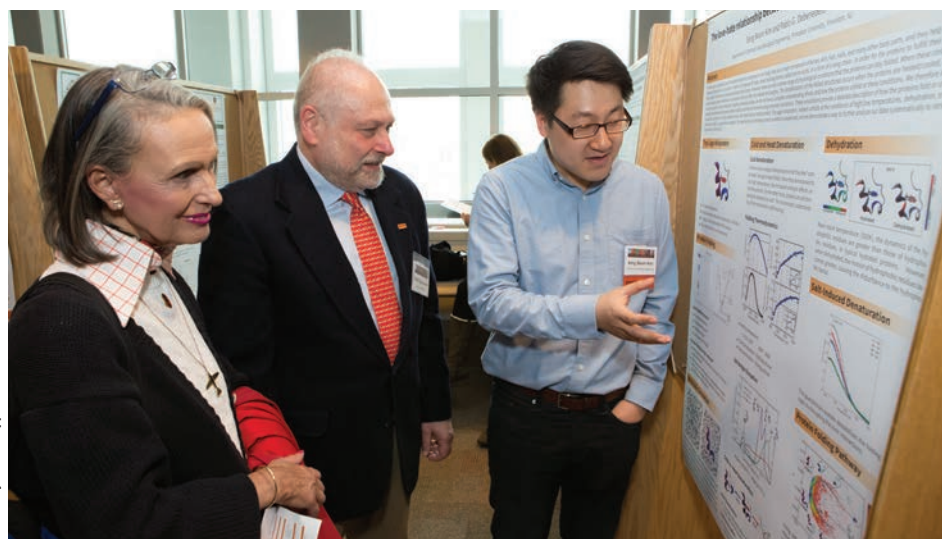


Photo by Denise Applewhite

Princeton resident B.F. Graham (left) and Dean for Research Pablo Debenedetti (center) listen to graduate student Sang Beom Kim explain his research on the relationships between proteins and their environments.

Alumni celebrate 100 years of Jewish life at Princeton

MICHAEL HOTCHKISS AND JAMIE SAXON

A century after small Friday night dinners marked the earliest expressions of Jewish life on campus, Princeton University alumni spanning eight decades returned to campus for a three-day conference, "L'Chaim! To Life: Celebrating 100 Years of Jewish Life at Princeton."

Nearly 900 Princeton alumni and guests participated in the conference April 14-16, representing classes from 1949 to 2015 and hailing from more than 25 states and from nations including Canada and Israel.

Highlights included a conversation with President Christopher L. Eisgruber; a discussion with Presidents Emeriti William G. Bowen, professor of economics and public affairs emeritus, and Harold T. Shapiro, professor of economics and public affairs; and a closing reception and dinner with remarks by Mark Wilf, a member of the Class of 1984 and owner and president of the Minnesota Vikings football team.

History and change

Eisgruber spoke to hundreds of participants — clad in orange and black from yarmulkes to shoes — Friday morning at Richardson Auditorium, highlighting themes of history and change running through the conference.

"We've had now a number of these conferences on this campus where we bring back alumni from groups the University has not always embraced in the way it should," he said, referencing past conferences for black, Asian

American, and LGBT and ally alumni. "One of the things that is so powerful about those conferences is not just the story of what Princeton is today, but the story of change that has taken place over time at this University."

Eisgruber also answered questions from the audience, sharing his response to learning of his own Jewish heritage and addressing the challenges faced by Jewish students on campus, the recent controversy over the legacy of Woodrow Wilson, concerns about anti-Semitism on campus, and whether students are insulating themselves from open discussion of difficult topics.

Princeton today

At the Friday panel discussion "The Student Experience," facilitator Jill Dolan, dean of the college, asked four undergraduates and a graduate student to describe the many aspects of Jewish life at Princeton.

The conversation ranged from the positive impact of pluralism on the Jewish community at Princeton to the welcoming environment and activities at the Center for Jewish Life to the larger intellectual and academic offerings through the Program in Judaic Studies.

When Dolan asked the panel, "How well do you feel you're integrated into the mainstream of Princeton life outside of the diversity of the Jewish community?" senior Samuel Major shared an anecdote from his Outdoor Action (OA) trip during freshman orientation.

"I was nervous because I keep not only a strictly kosher diet but also I'm

gluten-free. I'm a disaster," said Major, eliciting empathetic laughter from the audience. "Little did I know that my entire OA trip was not only kosher but gluten-free — because of me. That speaks to the extent to which Princeton bent over backwards to accommodate me and my Jewish identity and make sure I was comfortable, not only on campus but in the middle of the woods on the Appalachian Trail."

Twin anniversaries

A lecture by astrophysicist David Spergel, a member of the Class of 1982, celebrated twin anniversaries: the 100th anniversary of organized Jewish life at Princeton and the 100th anniversary of Albert Einstein submitting his paper on general relativity.

"Looking at Jews and general relativity, you end up touching on many

aspects of not just the Jewish experience at Princeton but the development of key ideas in physics and many key world events, the First World War, the Second World War, nuclear weapons and various changes in our society," said Spergel, the Charles A. Young Professor of Astronomy on the Class of 1897 Foundation, professor of astrophysical sciences and chair of the Department of Astrophysical Sciences.

Spergel highlighted the work of a range of Jewish astronomers and physicists associated with the University from the 1930s to today — including Einstein, who was never on the faculty but had an office on campus, faculty members Martin Schwarzschild and John Wheeler, and Jacob Bekenstein, who received his Ph.D. from Princeton. ♥



Photo by Denise Applewhite

Dean of the College Jill Dolan (left), discusses current-day Jewish life at Princeton with junior Hillel Friedman, senior Shira Cohen, sophomore Jillian Silbert, senior Samuel Major and graduate student Avi Wolf.