

MANY MINDS, MANY STRIPES

A PRINCETON UNIVERSITY CONFERENCE FOR GRADUATE ALUMNI

Speaker Bios

Friday, October 18th

Opening Remarks by Provost David S. Lee *99

Alexander Hall, Richardson Auditorium

David S. Lee, who became provost of Princeton University on July 1, 2013, has a bachelor's degree in economics from Harvard University and a master's and Ph.D. in economics from Princeton. Lee joined the University in 2007 as professor of economics and public affairs. In 2009, he became director of the Industrial Relations Section, an academic unit that promotes research and training in labor economics. Before he joined the Princeton faculty as a member of the Department of Economics and the Woodrow Wilson School of Public Affairs, Lee was a professor of economics at Columbia University from 2006-07, an associate professor at the University of California-Berkeley in 2006, an assistant professor at UC-Berkeley from 2000-06, and an assistant professor at Harvard from 1999-2000. He was a faculty research fellow for the National Bureau of Economic Research from 1999 to 2008, and has been a research associate for the bureau since 2009.

A Conversation with President Christopher L. Eisgruber '83

Alexander Hall, Richardson Auditorium

A renowned constitutional scholar, Christopher L. Eisgruber was named Princeton's 20th president in 2013. Eisgruber, who grew up in Indiana and Oregon, received his A.B. in physics from Princeton in 1983, M.Litt in politics from the University of Oxford as a Rhodes Scholar, and J.D. from the University of Chicago Law School. After clerking for U.S. Court of Appeals Judge Patrick Higginbotham and U.S. Supreme Court Justice John Paul Stevens, he taught at New York University's School of Law for 11 years. In 2001, Eisgruber joined the Princeton faculty as the director of the Program in Law and Public Affairs and the Laurance S. Rockefeller Professor of Public Affairs in the Woodrow Wilson School of Public and International Affairs and the University Center for Human Values. He was named Princeton's 11th provost in 2004, and in that capacity was the University's second-ranking official and its chief academic and budgetary officer. During his tenure, he played a central role in many key University initiatives, including broadening Princeton's international initiatives for students and faculty; increasing the diversity of the campus; guiding Princeton's entry into the online learning movement; and leading the University's efforts to cut costs during the recession in 2008 and 2009. He is also a gifted teacher; among the courses he taught as provost was a freshman seminar titled "The Supreme Court and Constitutional Democracy." Before his appointment as provost, he served as a faculty representative on the Alumni Council Executive Committee and taught in the Alumni Studies program.

Graduate School Update by Dean William B. Russel h*04

William B. Russel, the A.W. Marks '19 Professor in the Department of Chemical Engineering, has been dean of the Graduate School at Princeton University since 2002. After receiving his B.A. and M.Ch.E. from Rice University, where he also played baseball, he received a Ph.D. from Stanford in chemical engineering. After a year as a NATO Postdoctoral Fellow in the Department of Applied Mathematics and Theoretical Physics at Cambridge University, he joined the Princeton faculty in 1974. His research has contributed to the education of 39 Ph.D.s and has been recognized with the William H. Walker and Alpha Chi Sigma Awards from the American Institute of Chemical Engineers, the Bingham Medal of the Society of Rheology, and the Award for Surface and Colloid Science of the American Chemical Society. His research has addressed the crystallization of colloidal dispersions on earth and in space (akin to the formation of opals), fabrication of micron scale patterns in thin polymer films, the flow, drying, and cracking of paint films, and the puzzling collapse of colloidal gels. He is the author or co-author of two books, *The Dynamics of Colloidal Systems* and *Colloidal Dispersions*, and notes from the 2000-01 Debye Lectures, *The Phase Behavior and Dynamics of Colloidal Dispersions*. At Princeton he has served as chairman of Department of Chemical Engineering and director of the Princeton Materials Institute. Dean Russel is a member of the National Academy of Engineering and the American Academy of Arts and Sciences and a Fellow of the American Association for the Advancement of Science, has served as president of the Society of Rheology, the chair of the Council of Graduate Schools, on the board of directors of the AAU Association of Graduate Schools and the Bermuda Institute of Ocean Science.

The Graduate Student Experience Today: A Panel Discussion

Alexander Hall, Richardson Auditorium

Moderator:

Lisa M. Schreyer

Associate Dean for Student Life, The Graduate School

Lisa Schreyer is the Associate Dean for Student Life in the Graduate School at Princeton University. Lisa joined the Princeton staff and the Graduate School in 2001, when she served as the Residence Life Coordinator. In 2004, she became the Assistant Dean of Residence Life and Student Affairs. She assumed her current position in July of 2013. Lisa holds a B.S. from Rutgers University and an M.S.Ed. from the University of Pennsylvania.

Panelists:

Nimisha Barton

Graduate Student, History

Nimisha Barton is a doctoral candidate in the History Department at Princeton University who will defend her dissertation in April 2014. Her project, entitled "Foreign Affairs, Family Matters: Gender and Acculturation in Paris, 1914-1940," examines how modern states and societies integrate minority men and women on different terms. Nimisha earned a certificate from the Program in Gender and Sexuality Studies and a teaching certificate from the McGraw Teaching Credential Program at Princeton. An active participant in the Program in Gender and Sexuality Studies, Nimisha has served as coordinator for the Graduate Colloquium Series since January 2012. She has also participated in university programming aimed at providing undergraduate support, such as the Freshman Scholar's Institute and the Residential Graduate Student program. She is currently a Fellow at Princeton's Rockefeller College and an instructor teaching World History at Mercer County Community College.

Friederike Funk gs

Graduate Student, Psychology

Friederike is currently a 4th year graduate student in the psychology department. Prior to coming to Princeton, she received her master's equivalent in psychology at the University of Koblenz-Landau, Germany. Her dissertation project focuses on the intersection of social psychology and law. In particular, she is interested in people's motivation to punish transgressors and how it can be affected by factors like social perception, culture, and emotions. Friederike is the current president of the Graduate Student Government. She is also a Chapel Deacon at the Princeton University Chapel.

Josh Heyne gs

Graduate Student, Mechanical and Aerospace Engineering

Joshua Heyne is a fifth year graduate student in the Mechanical and Aerospace Engineering department, coming to Princeton in 2009 after finishing an M.S. degree at Penn State University researching diesel and jet fuels. At Princeton, Josh has continued to pursue his interest in combustion but at a more fundamental level. Outside of academics he has been involved in numerous extracurricular activities. Currently, Josh is a Community Associate for the Grad School, member of the Cycling Team, and a returning member of the 2014 APGA Reunions Committee. As a Community Associate, Josh makes service one of the central themes of his events, and has organized volunteering opportunities at the Trenton Area Soup Kitchen. As a triathlete and member of the Cycling Team, Josh has competed in dozens of races from local 5Ks to some of the most grueling endurance races on the East Coast. In his final year of graduate studies, Josh looks to continue existing collaborations and build additional connections with the Office of Sustainability at Princeton University.

Cory Hunter gs

Graduate Student, Music

Cory Hunter is currently a fifth year graduate student pursuing a Ph.D. in musicology. Cory graduated from the Eastman School of Music in Rochester, New York in 2006 with a Bachelor of Music in Vocal Performance with Distinction. While at Eastman, Cory studied opera music and participated in multiple operas while pursuing his undergraduate education. Upon graduating from Eastman, Cory pursued ministerial studies and enrolled at Yale Divinity School and the Yale Institute of Sacred Music. While at Yale, Cory developed an interest in music scholarship, particularly gospel music scholarship, and decided to pursue a Ph.D. to further develop his research interests. Cory graduated from Yale University with a Master of Divinity in 2009. In the fall of 2009, Cory enrolled at Princeton University as a Ph.D. student in the department of music. He is currently writing his dissertation entitled "The Politics of Authenticity and its Embodiment in Gospel Music Discourse and Performance."

Meghan O'Toole gs

Graduate Student, Woodrow Wilson School

Meghan O'Toole, a proud native of Princeton, attended Duke University where she majored in public policy and French. After graduation, she spent two years as a research assistant at Mathematica Policy Research in Washington, D.C., where she worked primarily on evaluations of employment and education programs for people with disabilities. She then moved to Boston for the Residency in Social Enterprise AmeriCorps program at the New Sector Alliance. During her AmeriCorps service and for an additional year, she worked as a Strategy Analyst at City Year, a national nonprofit with the goal of keeping students in school and on track to graduation. She focused on helping City Year's 24 sites scale in size and impact. At Princeton, Meghan is a second year Master in Public Affairs student in the domestic policy field at the Woodrow Wilson School and is the co-chair of the Woodrow Wilson Action Committee. This summer, Meghan was a Fellow in the Chicago Mayor's Office.

Teaching Graduate Students at Princeton: A Panel Discussion featuring Current Faculty

Alexander Hall, Richardson Auditorium

Moderator:

Claire Gmachl

Vice Dean, School of Engineering and Applied Science, and Eugene Higgins Professor of Electrical Engineering

Claire Gmachl received the Ph.D. degree (sub auspiciis praesidentis) in electrical engineering from the Technical University of Vienna, Austria, in 1995. In 1996, she joined Bell Laboratories, Lucent Technologies, Murray Hill, NJ, to work on Quantum Cascade lasers and microcavity devices. In 2003, Gmachl joined Princeton University; since July 2007 she is Full Professor at Princeton University, and a Eugene Higgins Professor of Electrical Engineering since 2011. Her group's research is focused on mid-infrared photonics, especially Quantum Cascade lasers and applications. Gmachl is the Director of MIRTHE, the NSF Engineering Research Center on Mid-InfraRed Technologies for Health and the Environment, established in 2006. She assumed the role of vice dean for Princeton's School of Engineering and Applied Science on July 1st, 2013. She has won an E-council/GEC Excellence in Teaching Award in 2012, and a Princeton University graduate mentoring award in 2009.

Panelists:

João Biehl

Susan Dod Brown Professor of Anthropology

João Biehl is Susan Dod Brown Professor of Anthropology. He is the Co-Director of the Program in Global Health and Health Policy and a Woodrow Wilson School Faculty Associate. Biehl is the author of the award-winning books "Vita: Life in a Zone of Social Abandonment" and "Will to Live: AIDS Therapies and the Politics of Survival." He is also the co-author of "When People Come First: Critical Studies in Global Health" and "Subjectivity: Ethnographic Investigations." Biehl is currently investigating the social impact of large-scale treatment programs in resource-poor settings and the role of the judiciary in administering public health. He coordinates a research and teaching partnership between Princeton and the University of São Paulo around global health and medical anthropology and a network on race and citizenship in the Americas. Biehl received Princeton's Presidential Distinguished Teaching Award in 2005 and Princeton's Graduate Mentoring Award in 2012.

Janet Currie *88

Henry Putnam Professor of Economics and Public Affairs, Woodrow Wilson School, and Director, Center for Health and Wellbeing

Janet Currie is the Henry Putnam Professor of Economics and Public Affairs at Princeton University and the Director of Princeton's Center for Health and Well Being. She has also taught at UCLA, MIT, and Columbia University where she chaired the department of economics. Her research focuses on child health, and she directs the Program on Families and Children at the National Bureau of Economic Research. She has served on several National Academy of Sciences panels including the Committee on Population, and was elected Vice President of the American Economics Association in 2010. She has also served on the advisory board of the National Children's Study. She has served as Editor of the Journal of Economic Literature and on the editorial board of the Quarterly Journal of Economics is currently on the Board of Reviewing Editors of Science magazine.

Maria Garlock

Associate Professor of Civil and Environmental Engineering

Maria Garlock is an Associate Professor at Princeton University in the Department of Civil and Environmental Engineering and the Director of the Architecture and Engineering Program. She is the recipient of the President's Award for Distinguished Teaching (2011). Dr. Garlock's scholarship is in resilient building design for large earthquakes and fires, as isolated and as combined multi-hazard events. She serves as President of the Consortium of Universities for Research in Earthquake Engineering and Chair of the Fire Protection Committee of the American Society of Civil Engineering. In addition to multi-hazard resistant building design, Dr. Garlock studies the best examples of structural designs of the present and past, which encompass the ideals of efficiency, economy, and elegance. She has co-authored a book on the subject and co-curated three exhibitions with scale models and instructional displays that teach about exemplary structural engineering designs.

Michael Jennings

Class of 1900 Professor of Modern Languages and Professor of German

Michael Jennings focuses his teaching and research on European culture in the twentieth century. In addition to literature, he teaches on topics in cultural theory and the visual arts, with special emphasis on photography. Jennings is an Associated Faculty Member of the Department of Art and Archaeology and the School of Architecture and a Faculty Associate of the Center for the Study of Religion. He sits on the Executive Committee of the Program in European Cultural Studies and the Ph.D. Program in Humanistic Studies. He is the author of two books on Walter Benjamin: *Dialectical Images: Walter Benjamin's Theory of Literary Criticism* (Cornell University Press) and, with Howard Eiland, *Walter Benjamin: A Critical Life* (Harvard University Press); he serves as the general editor of the standard English-language edition of Benjamin's works.

Jeffrey Schwartz

Professor of Chemistry

Jeffrey Schwartz received a Ph. D. in 1970 and started as an assistant professor at Princeton soon thereafter. His first research interests were in developing organometallic reagents (which are hybrids of organic and inorganic systems) for use in organic synthesis, but then several years later changed his focus to the study of surface interactions between inorganic materials and organics. One topic of current interest involves using surface chemistry to control the behavior of both adult and stem cells on a variety of materials that are of current or potential use as medical implants, for example, for ligament regeneration: He may be the only chemist in the history of the National Football League to receive funding from them for an academic research project! He has mentored, and stays in touch with, several dozen postdocs, graduate students and undergraduates, and was honored to receive Princeton's President's Award for Distinguished Teaching in 2012.

Luncheon: A Conversation on Higher Education Leadership

Tent - Alexander Beach

Moderator:

Janet L. Holmgren *74

Senior Vice President, UniversityNow, and President Emerita, Mills College

Janet L. Holmgren serves as the Senior Vice President for Strategic Advancement for a socially responsible higher educational technology company, UniversityNow (UNOW) based in San Francisco. She is President Emerita of Mills College, having stepped down in 2011 after a successful twenty year presidency. Prior to moving to California to lead Mills, she served as Vice Provost of Princeton and as a Senior Administrator at UMCP. A faculty member and administrator in higher education since completing her Ph.D., she is a nationally recognized advocate for access to higher education and for the education and advancement of women. Her board memberships have included the American Council on Education, the Carnegie Foundation for the Advancement of Teaching, and Princeton University. She is currently on the Boards of Patten University, the Roslyn Franklin Society, the International Museum of Women, and the Children's Hospital and Research Center in Oakland.

Panelists:

Alice P. Gast *84

President, Lehigh University

Alice P. Gast was appointed the 13th president of Lehigh University in 2006. She is co-author of *Physical Chemistry of Surfaces*, a classic textbook on colloid and surface phenomena, and has presented named lectures at several of the nation's leading research institutions. Before coming to Lehigh, Dr. Gast served as the vice president for research and associate provost at the Massachusetts Institute of Technology and held the Robert T. Haslam chair in chemical engineering. She previously spent 16 years as a professor of chemical engineering at Stanford University and the Stanford Synchrotron Radiation Laboratory. In 2010, she was named a Science Envoy by the U.S. State Department. Dr. Gast is a fellow of the American Academy of Arts and Sciences and a member of the National Academy of Engineering. She earned her bachelor's degree in Chemical Engineering from University of Southern California in 1980 and her master's and Ph.D. in Chemical Engineering from Princeton in 1981 and 1984.

Carol Quillen *91

President, Davidson College

Carol Quillen is the 18th president of Davidson College. A respected scholar and an accomplished administrator, Quillen came to Davidson from Rice University. Since taking office in 2011, Quillen has sought to reimagine the liberal arts within the changing higher education landscape. Her emphasis on "Transition to Impact" initiatives - a budding entrepreneurship program, community-based learning, and student/faculty collaborative research among others - empowers students to develop compassion, analytic rigor, creativity, resilience, and moral courage, and enables graduates to lead in the service of something larger than themselves. Ensuring educational excellence and access for all talented students regardless of their financial circumstances is a top priority for the Davidson community, and Quillen is a passionate advocate for this commitment. Quillen has published two books as well as scholarly articles, reviews, and papers.

Janet Morgan Riggs *82

President, Gettysburg College

Janet Morgan Riggs was appointed the 14th president of Gettysburg College in 2009. She graduated from Gettysburg College with a B.A. in psychology and mathematics and received her M.A. and Ph.D. in social psychology from Princeton University. Janet returned to Gettysburg College in 1981 as a faculty member in the Psychology Department, later serving as department chairperson. She worked in a variety of administrative roles, including executive assistant to the president and provost, prior to her appointment as president. Janet is the recipient of the Student Senate Faculty Appreciation Award, the Thompson Award for Distinguished Teaching, and the Woman of Distinction Award presented by the women students of Gettysburg. Janet is currently a member of several boards, including the Gettysburg Foundation, Gilder Lehrman Lincoln Prize, PA Campus Compact, Association of Independent Colleges and Universities of PA, and the National Association of Independent Colleges and Universities.

A Search, in Literature and Life, for a Meaningful Life

McCormick Hall, Room 101

Ellen B. Chances *72

Professor of Slavic Languages and Literatures

Ellen Chances is a professor of Russian literature at Princeton. She is the author of the books, *Conformity's Children: An Approach to the Superfluous Man in Russian Literature*, and *Andrei Bitov: The Ecology of Inspiration* (Cambridge Univ. Press), the first book in the world on this important contemporary writer. Her publications are wide-ranging, from studies on individual authors such as Bitov, Dostoevsky, Chekhov, and the absurdist Kharms, to interdisciplinary investigations of the psychology of culture, and the interplay between literature and the other arts. Her special interests are the 19th, 20th, and 21st-century Russian novel; contemporary Russian literature and culture; the study of literature in its historical context; literature and ideas; literature and cinema; literature and values; journalism, from the 19th century to the present. She is also a poet, essayist, film reviewer, cultural commentator; writer of fiction and of memoir. ...She ponders and wonders about the meaning of life...

What a Well-Informed Person Should Know about Computing and Communications

Computer Science Building, Room 104

Brian Kernighan *69

Professor of Computer Science

Brian Kernighan received his B.A.Sc from the University of Toronto in 1964 and a Ph.D. in electrical engineering from Princeton in 1969. He was in the Computing Science Research center at Bell Labs until 2000, and is now in the Computer Science Department at Princeton. He is the author of 10 books and some technical papers, and holds four patents. He was elected to the National Academy of Engineering in 2002. His research areas include programming languages, tools and interfaces that make computers easier to use, often for non-specialist users. He is also interested in technology education for non-technical audiences.

A Conversation with Paul Krugman

McCosh Hall, Room 50

Nobel Laureate Paul Krugman

Professor of Economics and International Affairs, Woodrow Wilson School

The author or editor of dozens of books and several hundred articles, primarily about international trade and international finance, Krugman is also nationally known for his twice-weekly columns in *The New York Times* and his monthly columns in *Fortune Magazine* and *Slate*. He was the Ford International Professor of International Economics at the Massachusetts Institute of Technology and has served on the U.S. Council of Economic Advisers. He was the recipient of the 1991 John Bates Clark Medal, an award given every two years by the American Economic Association to an economist under 40. Krugman received his Ph.D. from the Massachusetts Institute of Technology.

America's Immigration Policy Fiasco

Robertson Hall, Dodds Auditorium

Douglas S. Massey *78

Henry G. Bryant Professor of Sociology and Public Affairs, Woodrow Wilson School

Douglas S. Massey is the Henry G. Bryant Professor of Sociology and Public Affairs at Princeton, where he also serves as Director of the Office of Population Research. He has also served on the faculties of the University of Chicago and the University of Pennsylvania. He is past-President of the Population Association of America and the American Sociological Association and current President of the American Academy of Political and Social Science.

From Gene Expression to Tissue Mechanics during Drosophila Embryonic Development

Carl Icahn Laboratory, Room 101

Nobel Laureate Eric F. Wieschaus

Squibb Professor in Molecular Biology

In the late 1970s and 1980s, Eric Wieschaus carried out large-scale mutagenesis screens to identify genes controlling embryonic development in *Drosophila*. In contrast to previous genetic analyses, these screens were designed for genomic saturation, i. e., identifying key components in ALL pathways that govern morphology, patterning and differentiation. These experiments were recognized with the Nobel Prize in Medicine/Physiology in 1995. Wieschaus's work established a basic "tool box" of genes and signaling pathways that operate during embryonic development in all multicellular organisms. Mutations in the associated genes account for a significant fraction of inherited birth defects in humans and play a major role in cancer. Wieschaus joined the faculty at Princeton University in 1981 and teaches at the graduate and undergraduate level. His current research focuses on the biophysics of cell shape change and movement during early development.

Reception and Dinner with Remarks by Journalist George F. Will *68

Tent - Alexander Beach

George F. Will's newspaper column has been syndicated by *The Washington Post* since 1974. For 35 years he was a regular contributing editor of *Newsweek* magazine. In 1977 he won a Pulitzer Prize for commentary in his newspaper columns. Eight collections of Mr. Will's *Newsweek* and *Washington Post* columns have been published. Mr. Will has also published three books on political theory. In 1990, Mr. Will published *Men At Work: The Craft of Baseball*, which topped *The New York Times* bestseller list for two months. For 32 years, beginning as a founding member in 1981, he was a panelist on ABC television's "This Week with George Stephanopoulos." In 2013 he became a contributor to FOX News. Mr. Will was educated at Trinity College in Hartford, Connecticut, Oxford University and Princeton University, where he earned his Ph.D and served as a trustee. He has taught political philosophy at Michigan State University, the University of Toronto and Harvard University.