

New Faculty **2017-18**



UNIVERSITY
of VIRGINIA

COLLEGE *and* GRADUATE SCHOOL
of ARTS & SCIENCES

Letter from the Dean



Dear Colleagues,

For the 2017-18 academic year, we welcome a talented new group of faculty to the Arts & Sciences community. We continue to reap the rewards from the efforts of faculty search committees, department chairs, program directors, associate deans and other faculty who collaborate on recruiting and retaining the best and brightest scholars, researchers and educators to join us in our important work.

As you may know, we are in a generational turnover of distinguished faculty, and the faculty joining us this academic year represent an ambitious campaign that will bring more than 200 new faculty members to the College in a relatively short number of years. By 2020, nearly half of the Arts & Sciences faculty are projected to have begun their UVA appointments within the last 10 years. We aim to continue recruiting at the highest level of excellence as we seek a diverse faculty supporting a spectrum of emerging cross-disciplinary initiatives.

The University of Virginia's longstanding reputation for excellence in undergraduate education and graduate study is based on exceptional teaching and research, and this time of transition within the College only serves to strengthen this world-class institution. Arts & Sciences welcomes 50 new faculty members this year, and the biographies included in this booklet provide a snapshot of the varied gifts and talents each of them brings to the College. They all represent a key step forward in the College's efforts to expand our vibrant and flourishing community.

To our new colleagues: on behalf of the College and Graduate School of Arts & Sciences, I celebrate your arrival and look forward to the collective and singular impacts you will have, on the University of Virginia and beyond. Please do not hesitate to call on me, your chair, director or other Arts & Sciences colleagues to help you in your transition to UVA. We are here to support you.

Sincerely,

Ian Baucom

Ian Baucom
Buckner W. Clay Dean
College and Graduate School of Arts & Sciences
University of Virginia

SYLVIA TIDEY

Assistant Professor

Department of Anthropology/Global Studies



A cultural anthropologist with an interest in the ethics of care in family intimacies amidst particular socio-political notions of the good life, Sylvia Tidey has conducted a pair of research projects in Indonesia addressing corruption and gender nonconformity. For her dissertation project, Tidey focused on the effects of anticorruption initiatives on civil service corruption in eastern Indonesia. Her second, ongoing project is examining the intersection of global and local circulations of HIV care and LGBT activism in Indonesia, through the prisms of happiness and gender nonconformity.

Tidey is working on two book manuscripts based on these research projects. Articles on her research have appeared, or are forthcoming, in *American Anthropologist*, *American Ethnologist*, and *Current Anthropology*. She received her Ph.D. at the University of Amsterdam and completed a postdoctoral position at the same university.

Tidey will draw on her eclectic range of interests in the spring 2018 semester to teach the Department of Anthropology's "Medical Anthropology" course, as well as a Global Studies course titled "Global Perspectives on Corruption."

JARRETT ZIGON

William & Linda Porterfield Chair in Biomedical Ethics

and Professor of Anthropology



Jarrett Zigon's research interests include the anthropology of moralities and ethics, conceptions of humanness, political activity and theory, and the relationship between anthropology and philosophy, all of which is taken up through a critical hermeneutic approach. His research in Russia has included work on Russian Orthodox Church drug rehabilitation programs as spaces for moral training, and research on moral experience in times of post-Soviet social and political change. For the last decade, Zigon has been conducting research with the globally networked anti-drug war movement.

Zigon is the author of three books: *Morality: An Anthropological Perspective* (2008), *Making the New Post-Soviet Person: Narratives of Moral Experience in Contemporary Moscow* (2010), and *HIV is God's Blessing: Rehabilitating Morality in Neoliberal Russia* (2011). He is the editor of a volume titled, *Multiple Moralities and Religion in Contemporary Russia* (2011). His latest book, *Disappointment: Toward a Critical Hermeneutics of Worldbuilding* (2018), addresses the ethical, political and ontological grounds of the disappointment many feel today, offering an alternative vision of what a future could be and how to achieve it.

Zigon received his Ph.D. in anthropology from the City University of New York, Graduate Center (2006) and his M.A. in liberal arts, with a focus on moral and political philosophy, from St. John's College (1998). He has been a member of the Institute for Advanced Study, a visiting scholar at Columbia University, and a postdoctoral research fellow at the Max Planck Institute for Social Anthropology. Before coming to UVA, Zigon was an assistant and associate professor at the University of Amsterdam (2009-17). This academic year, Zigon will teach two graduate courses, one on relational ethics and the other on the relationship between anthropology and philosophy.

FEDERICO CUATLACUATL

Assistant Professor
McIntire Department of Art



Striving to spark awareness, change, advances, and cultural sustainability, Federico Cuatlacuatl's work reflects on current realities of Hispanic immigrant diasporas in the United States. His research, using animation and media in Studio Art, is primarily concerned with social, political, and cultural issues that Hispanic immigrants face in this country.

Cuatlacuatl has participated in numerous exhibitions and film festivals throughout the United States, and abroad. His independent productions have been screened in various national and international film festivals in Mexico, the United States, Canada,

Finland, Greece, England, India, France and the Azores Islands off the coast of Portugal. In 2016, Federico launched an annual international artist residency in Puebla, Mexico, acting as the director and inviting global emerging and established artists.

Cuatlacuatl received his bachelor's degree in computer animation at Ball State University (2013). He earned his M.F.A. at Bowling Green State University, specializing in Digital Arts (2015). During his one-year appointment at Ohio State University as a visiting assistant professor, Cuatlacuatl focused on the methods of teaching socially engaged animation productions. Subsequently, he was an assistant professor at the University of Arkansas at Little Rock.

At the University of Virginia, Cuatlacuatl plans to extend his socially engaged work in his teaching and research. This includes studying community needs and responding with advances through course work and personal artistic productions.

JONATHAN C. TAN

Research Professor
Department of Astronomy



A theoretical astrophysicist, Jonathan C. Tan researches the origin of planets, stars, galaxies and black holes forming from the diffuse gas and dust of interplanetary, interstellar and intergalactic space. To understand these processes, he develops analytic models for testing in large-scale computer simulations. Tan also leads numerous observational programs with telescopes utilizing the full range of the electromagnetic spectrum to test these theoretical models.

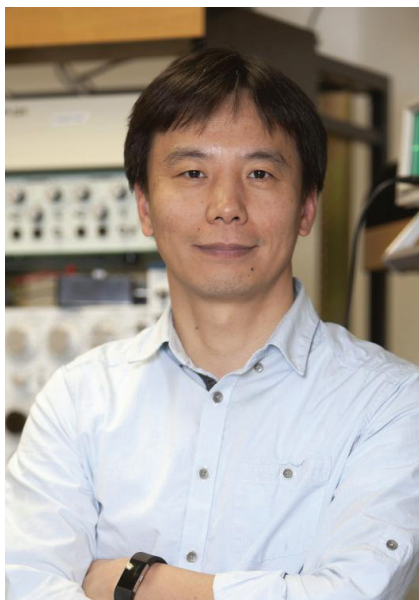
Tan received a National Science Foundation CAREER award in 2007 and has since held numerous other grants from the NSF and NASA.

He has authored more than 100 refereed publications. Tan received his undergraduate degree in physics from Trinity College, Cambridge University (1995) and his Ph.D. in astrophysics from the University of California, Berkeley (2001). He held postdoctoral fellowships at Princeton and ETH Zurich, followed by assistant and associate professorships at the University of Florida.

While serving as a part-time research professor at the University of Virginia, Tan is also starting a professorship at Chalmers University of Technology in Gothenburg, Sweden. At UVA, he plans to develop new research and educational collaborations linking these two institutions.

JIANHUA CANG

Paul T. Jones Jefferson Scholars Foundation Professor
Departments of Biology, Psychology



An internationally renowned neurobiologist whose laboratory made a ground-breaking discovery related to how visual functions in the cortex are shaped by sensory experience, Jianhua “JC” Cang has been selected to hold the Jefferson Scholars Foundation’s first endowed professorship. Cang comes to the University of Virginia from Northwestern University and will help lead the University’s wide-ranging research efforts in brain science.

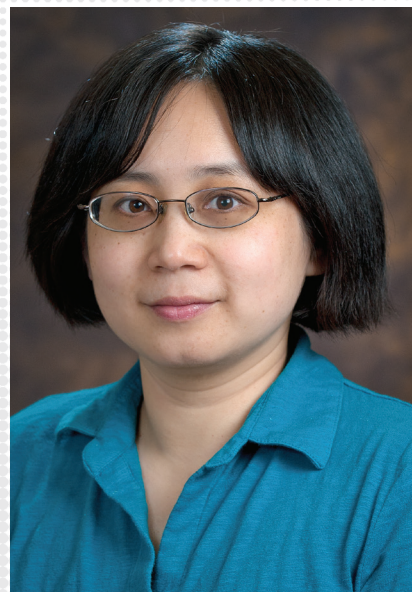
Cang’s research focuses primarily on the neural basis of vision, examining how neurons in the brain respond to visual stimuli,

what neural circuits give rise to such response properties, and how these circuits are established during development. His work combines physiology, functional imaging, genetics, molecular, behavioral, and computational methods. In addition to its discovery that sensory experiences shape visual functions during a critical period in early life, Cang’s laboratory has carried out a series of functional studies of the mouse superior colliculus. This research has helped to establish this paired structure of the mammalian midbrain as a new model for studying visual information processing and sensorimotor transformation.

Cang’s work has earned him an Alfred P. Sloan Foundation Research Fellowship, the Klingenstein Fellowship Award in the Neurosciences, and numerous research grants, including several from the National Institutes of Health. His research findings have been published in *The Journal of Neuroscience*, *Neuron*, *Nature Neuroscience* and other scholarly publications.

XIAORONG LIU

Assistant Professor
Departments of Biology, Psychology



Interested in deepening our understanding of the eye’s retinal structures during normal development and in diseased conditions, Xiaorong Liu started her own laboratory in 2008 at Northwestern University as a research assistant professor in neurobiology and physiology. Liu’s research combines molecular biology, mouse genetics, imaging and physiology techniques, to study the structure and function of development and degeneration of retinal ganglion cells.

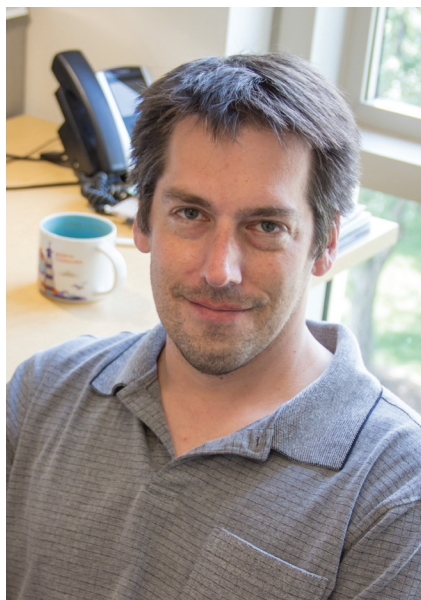
Glaucoma is a major cause of blindness, characterized by progressive retinal ganglion cell

(RGC) death and vision loss, and much remains to be investigated about how these cells degenerate and die with glaucoma’s progression. Liu’s laboratory, which is moving from Northwestern to the University of Virginia in the fall of 2017, has established mouse models of experimental glaucoma to study RGC death and its underlying mechanisms. Through her research, Liu aims to develop novel neuroprotection strategies to preserve vision in glaucoma.

Her arrival marks a return for Liu, who received her Ph.D. at UVA (2002).

DAVID M. PARICHY

Pratt-Ivy Foundation Distinguished Professor of Morphogenesis
Department of Biology



Focused on the developmental genetic bases of organismal form and its evolution, David M. Parichy and his research group seek to answer fundamental questions about how and why organisms look the way they do, how particular morphologies have evolved, and how tissues are constructed and regenerated. For many of their studies, Parichy uses pigmentation of zebrafish and its relatives as a model for studying the salient genes and cell behaviors.

Parichy has been continuously funded by the National Institutes of Health for nearly two decades; most recently, he was awarded a prestigious NIH R35 MIRA grant

through the National Institutes of General Medical Sciences. He and his lab also have been supported by the National Science Foundation.

Parichy received a B.A. in biology from Reed College and earned his Ph.D. in population biology from University of California, Davis. He was a postdoctoral fellow at Washington University Medical School. His first faculty position was at the University of Texas at Austin, where he was promoted to associate professor with tenure after three years. His lab then moved to the University of Washington, where he was promoted to professor and where his lab resided for 12 years.

During the 2017-18 academic year, Parichy will be moving his current personnel and research resources and establishing his program at UVA while seeking opportunities for collaborations across disciplines and departments. He looks forward to resuming his teaching activities with courses in the fields of development or evolutionary developmental biology.

ROBERT J. GILLIARD, JR.

Assistant Professor
Department of Chemistry



Building a new research program in synthetic inorganic chemistry at the University of Virginia, Robert J. Gilliard, Jr. will focus his efforts on the development of new methods to access reactive main group entities that serve as cost-effective catalysts for the activation of relatively inert chemical bonds – a critical process for energy applications. He also seeks to synthesize new inorganic-organic hybrid materials that may provide a platform for advances in display technologies and molecular electronics.

Gilliard was selected as a United States Delegate to the 2013 Nobel Laureate Meeting and has received a UNCF-Merck Science Research Fellowship (2014) and a Ford Foundation Fellowship (2015). Last year, Forbes Magazine named Gilliard one of its top “30 under 30 in Science.” The co-author of 15 publications, he is the lead author of an upcoming book chapter titled “Synthons for the Development of New Organophosphorus Functional Materials,” published by Wiley.

Gilliard earned his doctorate in chemistry from the University of Georgia after completing a bachelor’s degree in chemistry from Clemson University. He completed joint postdoctoral studies at the Swiss Federal Institute of Technology (ETH Zürich) and Case Western Reserve University, where he synthesized highly reactive phosphorus materials and heterocycles.

Gilliard will teach a new course on Main Group Chemistry covering the principles, reactions, and new applications of *s*- and *p*-block elements, Groups 1-2 and Groups 13-18 of the periodic table. He aims to provide the students and research associates involved in his research with valuable experience in air-sensitive techniques and a wide range of characterization methods, including single crystal X-ray diffraction.

ADRIENNE GHALY

Postdoctoral Fellow

College and Graduate School of Arts & Sciences



Working at the intersection of literature, philosophy and critical theory, Adrienne Ghaly spans the late 19th century to the contemporary era in her scholarship. Her core interests are the modern novel in British, Anglophone and European contexts, and its philosophical and cultural tasks in 20th-century thought; the interplay of ethics and literature; and aesthetic and conceptual responses to species extinction and the nonhuman world.

Ghaly's scholarship addresses what 'the novel' is and the migration of novelistic modes into other media,

particularly contemporary art. She also examines how literature, visual art and other aesthetic forms explore "our age of extinction." These interests reflect her interdisciplinary training at the University of Chicago (B.A.) and New York University, where she received her Ph.D. in English (2014).

Ghaly's current book project is titled *On Closeness: Thinking Relationally in the Modern Novel*. She is presently engaged in research on contemporary artist Tracey Emin.

The 2015 Special Issue of *L'Esprit Créateur: The International Quarterly of French and Francophone Studies* included her article, "Cultural Theory on the Micro-scale: Roland Barthes's Lectures at the Collège de France," on Barthes's final lectures and the ethics of novelistic writing.

This academic year, Ghaly will teach "Extinction in Art and Literature" on aesthetic responses to anthropogenic extinction. Her other course – "Does Reading Literature Make Us More Ethical? Really?" – will explore claims that literature has ethical effects upon readers in the context of animal rights, violence, abolition, and reading literature as a public good.

JOSH MOUND

Postdoctoral Fellow

College and Graduate School of Arts & Sciences



An interdisciplinary scholar of modern U.S. politics and policy, Josh Mound has secured a book contract with the University of Pennsylvania Press to publish his dissertation. In his research, Mound reinterprets the "tax revolt" of the late-1970s as the culmination of a decades-long pocketbook squeeze on poor and working-class Americans and explains how tax policy during the early post-WWII decades exposed rifts between the Democratic Party and the grassroots left.

Mound received a self-created joint-Ph.D. in history and sociology from the University of Michigan (2015).

He also holds a bachelor's degree

and a master's degree in journalism from Ohio University. His writing has appeared in the *New Republic*, *Salon*, *Jacobin*, and *The Chronicle Review*.

Collaborating with the College Fellows in the introduction of the New College Curriculum being piloted this year, Mound will teach an "Empirical Engagement" course for first-year students in the fall exploring conceptions and measurement of poverty. In the spring, he will teach an "Engaging Difference" course that explores inequality, with an intersectional perspective, throughout American history.

TRAVIS PICKELL

Postdoctoral Fellow

College and Graduate School of Arts & Sciences



A scholar of religious ethics, Travis Pickell specializes in the intersection of religion and biomedical ethics. His research interests include Christian theological ethics, political theology (ancient and modern), religion and pluralism in modernity, environmental ethics and bioethics. His dissertation explores how the conditions of late-modernity and modern medical technology shape the experience of dying in contemporary Western societies, offering a theological framework for reevaluating our posture toward mortality and our practices of care for the dying.

He holds a Ph.D. in religious studies from the University of Virginia (2017), a master's degree from Princeton Theological Seminary (2011), and a bachelor's degree in public policy from The College of William & Mary (2006). As a doctoral student at UVA, Pickell was a research assistant for the Institute for Advanced Studies in Culture's Vocation and the Common Good project.

As a postdoctoral fellow and lecturer with the College of Arts & Sciences, Pickell will assist the College Fellows in guiding the Engagements portion of the New College Curriculum being piloted this year. He will teach an "Ethical Engagement" course for first-year students titled "Mortality & Morality."

JENNY WALES

Assoc. Professor of Practice

Department of Drama



A theater artist, administrator and educator, Jenny Wales will serve as the artistic director of the Heritage Theatre Festival and as Associate Professor of Practice, a University of Virginia appointment reserved for distinguished professionals who have been recognized for contributions to their field.

Wales most recently served as the associate producer and director of education and outreach at PlayMakers Repertory Company, the University of North Carolina at Chapel Hill's professional theater in residence. Wales' wide range of roles included producing six mainstage and three second-stage productions

each year, acting as the company's casting director while also leading successful major grant applications, participating in creative marketing efforts and continuing to develop and expand PlayMakers' award-winning education programs. Wales taught undergraduate and graduate workshops and seminars in UNC's Department of Drama, in addition to guest lecturing in the Department of African, African American and Diaspora Studies, and the Departments of Political Science, Communication Studies, Geology, Psychology and Neuroscience.

Wales has performed as an actor in New York City and across the country. She is the recipient of the Lincoln City Fellowship from the Speranza Foundation and has served on the Public Arts Commission for the Town of Chapel Hill.

Wales received her M.F.A. in acting from the Alabama Shakespeare Festival and her B.A. in drama from the University of Virginia. While planning the Heritage Theatre Festival's 2018 season, Wales will work with undergraduate and graduate students in the Department of Drama.

LELAND E. FARMER

Assistant Professor
Department of Economics



Using a blend of cutting-edge empirical methods and economic theory to study linkages between the macroeconomy and the financial sector, Leland E. Farmer has developed new methods for quantitatively assessing the impact of nonlinearities in economic models. Prominent examples include the zero lower bound on interest rates and the role of stock market volatility in propagating financial crises. Estimates derived using Farmer's approach have informed the debate on financial regulation and on the monetary policy pursued by the Federal Reserve System. His research on learning demonstrates how

changing economic conditions can lead to short-run predictability of stock market returns.

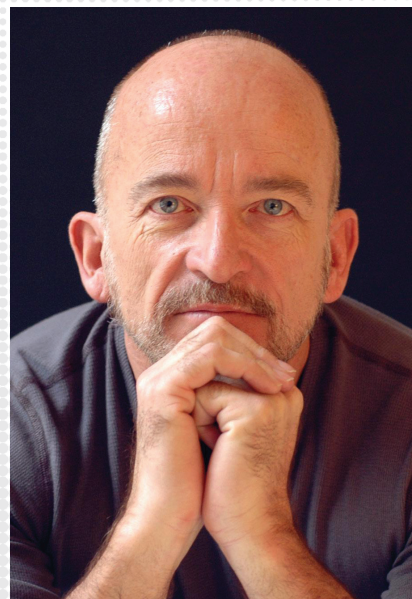
In 2015, Farmer was awarded the Clive Granger Fellowship at the University of California, San Diego for the most promising graduate student research. He has presented his work at the 2017 National Bureau of Economic Research Summer Institute, the Federal Reserve Banks of Chicago and Atlanta, the Stanford Graduate School of Business, and at a macro-financial modeling session organized by the prestigious Becker Friedman Institute. He was co-author of the paper, "Discretizing nonlinear, non-Gaussian Markov processes with exact conditional moments," which appears in the July 2017 edition of *Quantitative Economics*.

Farmer completed his B.S., with honors, in mathematical and computational science, with a minor in economics, at Stanford University (2011). In 2017, he received his Ph.D. in economics from UCSD.

This fall, Farmer will be teaching "Introduction to Econometrics" and looks forward to teaching macroeconomics and econometrics at the undergraduate and graduate levels.

MARK DOTY

Kapnick Distinguished Writer-in-Residence
Department of English



An award-winning writer who has been hailed for crafting some of the most original and arresting work in contemporary poetry while drawing equal praise for his artistry as a nonfiction writer, Mark Doty will spend the fall semester at the University of Virginia as the Creative Writing Program's fifth Kapnick Distinguished Writer-in-Residence. Inspired by William Faulkner's legendary residencies at the University in 1957 and '58, the Kapnick Foundation Distinguished Writer-in-Residence Program aims to bring writers of international stature to the Grounds to teach and engage with UVA students and the literary community.

American Poetry Review celebrated Doty's 1987 debut collection of poems, *Turtle, Swan*, as "a stunning arrival." Since then, he has gone on to publish 11 award-winning collections of poetry and five works of nonfiction, including the powerful 1999 memoir *Firebird*, in which he reflects on growing up gay in baby-boom America. His writing has earned a number of literary awards, including the Whiting Writer's Award, the T.S. Eliot Prize, the National Poetry Series, the Los Angeles Times Book Award, the National Book Critics' Circle Award, the PEN/Martha Albrand Award for first nonfiction and the 2008 National Book Award for *Fire to Fire: New and Selected Poems*.

Doty's schedule of free, public events will include a reading, three lectures and a colloquium or public conversation with other faculty poets. Doty also will offer manuscript consultations to M.F.A. students in the Creative Writing Program, visit and participate in classes and present two master classes, one on poetry and one on memoir-writing.

CHARITY FOWLER

Assistant Professor
Department of English



Examining digital remixes – textual, visual and audiovisual – of mass media texts that include derivative texts created by fans, Charity Fowler explores the tensions between source text and fan fiction, as well as interpretive and narrative strategies used to resist or subvert normative sexuality in fan fiction. Her other research interests include feminist and queer media studies, transmedia storytelling, and media and law.

Fowler contributed a chapter to the book, *The Functions of Evil across Disciplinary Context*, examining the redemptive relationships of seasonal villains in television shows. She has a chapter forthcoming in *Sex,*

Subversion and Bodily Boundaries: The Darker Side of Slash Fan Fiction, which analyzes the reading and writing pleasures to be found in fan fiction surrounding toxic male relationships

Fowler obtained her M.A. and Ph.D. from Virginia Commonwealth University, in English and media, art and text, respectively. She also has a law degree from the University of San Diego School of Law and practiced law for six years before returning to academia. Before joining the Department of English, Fowler served as the writing instructor at UVA's Frank Batten School of Leadership and Public Policy (2014-2017). Currently, she is transforming her dissertation into a book and researching the linguistic policing within fan communities of critical texts disseminated via social media sites such as Tumblr.

Fowler will be teaching two “Writing and Critical Inquiry” seminars on science fiction TV this fall and another two in the spring semester.

MARCUS MEADE

Assistant Professor
Department of English



Marcus Meade's research focuses generally on composition theory and pedagogy and specifically on writing-related transfer, the taking of something learned in one writing context and applying it in another. His scholarship attempts to understand the boundaries that separate writing and learning contexts while devising ways to make those boundaries more visible and permeable. As part of this, Meade considers how athletics can serve as a model for fostering transferability, as athletics often instill traits applied to many walks of life (persistence, discipline, leadership, etc.).

Meade's work has appeared in *College Composition and Communication*, the *Michigan Journal of Community Service Learning*, *Contemporary Perspectives: On Writing and Cognition* and *Stymie: A Journal of Sports Literature*. He also is a co-founder and former director of the Writing Lincoln Initiative, a community literacy nonprofit that fosters literacy learning in Lincoln, Nebraska.

Meade earned his Ph.D. in English from the University of Nebraska, as well as a bachelor's degree in journalism and a master's degree in English from Northwest Missouri State University. This academic year, Meade will begin research for a book project tentatively titled *Blood, Sweat, and Tears: How We Talk about Sports and Violence in America*. He also will teach two “Writing and Critical Inquiry” seminars focused on sports writing.

SARAH O'BRIEN

Assistant Professor
Department of English



Sarah O'Brien researches and teaches courses centered on the connections between humans, animals, and technology in film and media. Students in her courses develop composition and analytical skills by writing about—and often with—a range of screen-based media. She is completing a book, *Slaughter Cinema*, that examines documentary images of animal death across film histories and theories. She has a related article forthcoming in *Screen* (58.4) and has published in *Framework: The Journal of Film and Media* (57.1), *Cinema Journal* (54.3), and in the edited volume, *Animal Life and the Moving Image* (Palgrave/BFI, 2016).

She completed her Ph.D. in comparative literature at the University of Toronto (2012) and was a Marion L. Brittain Postdoctoral Fellow at the Georgia Institute of Technology (2014-17).

O'Brien is currently collaborating with the SSHRC-funded research group, Digital Animalities. The project examines how new visual and digital technologies are multiplying the production, circulation and acquisition of animal images within the context of a global visual culture that relies on images of animals to signify, promote, destabilize and secure its political, cultural, and natural landscapes. O'Brien also is working on a suite of audio-visual essays, scholarly articles, and teaching projects related to contemporary media temporalities and affects.

REBECCA RUSH

Assistant Professor
Department of English



Specializing in English Renaissance literature, Milton and the history of poetry, Rebecca Rush is particularly interested in the political implications of poetic form. She is currently working on a book manuscript that reveals the surprising political associations Renaissance readers attached to forms such as couplets, sonnets, and stanzas.

Rush has published articles on a wide range of topics in English literature. Her forthcoming piece in *English Literary History* recovers the radical Elizabethan pre-history of an apparently staid poetic form, the iambic pentameter couplet. Her work has also appeared in *Modern Philology*, *Renaissance and Reformation*, *The Journal of English and Germanic Philology*, and *Milton Studies*.

Rush received her B.A. in English from the University of North Carolina at Chapel Hill (2010) and her Ph.D. in English and Renaissance studies from Yale University (2017).

She will begin her teaching career at the University of Virginia with an upper-level English course on writing to, by, and about women in Renaissance England and a graduate course on Milton's poetry and prose.

LAWRENCE E. BAND

Ernest H. Ern Professor of Environmental Sciences
Department of Environmental Sciences



Known for his groundbreaking research on natural and urban watersheds, Lawrence E. Band studies the role of forests and tree canopy on flooding and drought, the provision of high-quality freshwater, and the impact of climate change. He holds a joint appointment as a professor of civil and environmental engineering in the University of Virginia's School of Engineering and Applied Science. Band spent nearly two decades at the University of North Carolina at Chapel Hill, as the Voit Gilmore Distinguished Professor of Geography and Director of the UNC Institute for the Environment.

Band's research includes projects in diverse watersheds in the United States and around the world. His current urban environmental research has an emphasis on the design, analysis and simulation of green infrastructure. Band has published more than 150 papers, book chapters and technical reports and has consulted with federal, state and municipal agencies in the United States and Canada on watershed protection, forest health, stormwater and ecosystem restoration. Band also is a visiting professor at the Chinese Academy of Science and a Fellow of both the Geological Society of America and the American Geophysical Union.

In 2010, he was board chair for the Consortium of Universities for the Advancement of Hydrologic Sciences. In 2014, Band was the Geological Science of America Birdsall-Dreiss Distinguished Lecturer, presenting 50 talks in the United States, Europe, Australia and China. Band has been a visiting scientist at the Australian Cooperative Research Center for Catchment Hydrology (1992-1993) and at the Australian Government Bureau of Meteorology (2008), working on responses to the Australian drought.

MAX CASTORANI

Assistant Professor
Department of Environmental Sciences



An ecologist specializing in coastal ecosystems, Max Castorani studies the distribution and dynamics of marine habitats such as kelp forests and seagrass meadows, as well as the fish and invertebrate species that these habitats support. Through a combination of underwater experiments and large-scale observations from drones and satellites, Castorani's research has brought new understanding to how spatial processes, such as animal movement and seed dispersal, influence population dynamics and biodiversity. His work is highly interdisciplinary, involving collaborations in remote sensing, oceanography, biogeochemistry, genetics, and metabolomics. Castorani's research has resulted in several publications in high impact journals and earned competitive funding from the National Science Foundation and National Park Service.

Before arriving at the University of Virginia, Castorani was a postdoctoral scholar at the Marine Science Institute at the University of California, Santa Barbara. He received his Ph.D. in ecology jointly from the University of California, Davis, and San Diego State University (2014) after obtaining his B.S. in evolution and ecology from Ohio State University (2008).

Castorani's research at the University of Virginia will involve new studies of the vast coastal lagoons on Virginia's Eastern Shore as part of the NSF-funded Virginia Coast Reserve Long Term Ecological Research Program. His continuing work aims to advance fundamental understanding in spatial ecology through the study of rapidly changing coastal ecosystems. Castorani will teach new courses on landscape ecology, community ecology and ecological statistics.

SCOTT DONEY

Joe D. and Helen J. Kington Professor in Environmental Change
Department of Environmental Sciences



One of the world's foremost experts in climate science, Scott Doney has an expertise that spans oceanography, climate science and biogeochemistry. His work applies numerical models and data analysis to global-scale questions, and his research focuses on how the global carbon cycle and ocean ecology respond to natural and human-driven climate change. Currently, he is studying the acidification of oceans related to the invasion of carbon dioxide and other chemicals from the burning of fossil fuels.

Awarded the James B. Macelwane Medal from the American Geophysical Union (2000) and the Huntsman Award for Excellence in Marine Science from the Royal Society of Canada (2013), Doney also has been named an Aldo Leopold Leadership Fellow (2004) and an American Association for the Advancement of Science Fellow (2010). The author of numerous peer-reviewed research publications and co-author of a textbook on data analysis and modeling methods for the marine sciences, Doney is UVA's first Joe D. and Helen J. Kington Professor in Environmental Change, an endowed chair.

Doney graduated with a B.A. in chemistry from the University of California, San Diego (1986) and earned his Ph.D. in chemical oceanography from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program in Oceanography (1991). He served as a postdoctoral fellow and scientist at the National Center for Atmospheric Research (1991-2002) and then as a scientist at the Woods Hole Oceanographic Institution (2002-2017).

Doney plans to continue his research on coastal and open-ocean change at the University, taking advantage of resources such as the Virginia Coastal Reserve LTER Program led by UVA. He also plans to participate in the recently announced UVA Environmental Resilience Institute.

CHRIS GRATIEN

Assistant Professor
Corcoran Department of History



Studying the social and environmental history of the Middle East with a focus on the late Ottoman period, Chris Gratien is working on a manuscript provisionally titled, *The Mountains Are Ours: An Environmental History of the Late Ottoman Frontier*. It explores a century of ecological change in the Cilicia region of the Eastern Mediterranean between the 1850s and 1950s. In addition, he is working on a project concerning the experience of migrants from the

former Ottoman Empire in the U.S. Gratien also is the producer and co-creator of "Ottoman History Podcast," which has featured the contributions of more than 200 scholars and researchers since 2011.

Gratien held postdoctoral positions in Yale University's Agrarian Studies program as well as in the Harvard Academy for International and Area Studies. He earned his M.A. in Arab Studies and his Ph.D. in history from Georgetown University, where he received the SSRC-International Dissertation Research Fellowship and the ACLS-Mellon Dissertation Completion Fellowship. In addition to completing a year of study at Damascus University through the Center for Arabic Study Abroad, Gratien has undertaken language instruction at the University of Wisconsin-Madison, American University in Cairo, Boğaziçi University (through the American Research Institute in Turkey), Yıldız Teknik University, and Arya University in Armenia. Chris completed his bachelor's degree at Le Moyne College.

During the 2017-18 year, Chris will offer two history survey courses titled "Global Environmental History" and "The Modern Middle East," as well as a seminar titled "Water, Energy, and Politics in the Middle East."

ELENA MCGRATH

Assistant Professor
Corcoran Department of History



A historian of revolutionary movements, racial identity and gender in Latin America, Elena McGrath is working on a book manuscript titled *Devil's Bargains: The Limits of Worker Citizenship and Resource Nationalism in Bolivia*. The book highlights the struggles of mine workers, poor families and the state to reconcile nationalist development in a precarious landscape with the racial, cultural, and economic legacies of colonialism in the Andes during the 20th century.

McGrath received her Ph.D. in Latin American history and gender and women's history at the University of Wisconsin-Madison (2016).

During the 2016-2017 academic year, she was a visiting research fellow in the University of London's Institute of Latin American Studies. Her article, "Pre-Histories of Revolutionary Nationalism and the Welfare State: Corocoro, Bolivia 1918-1930" has been published in the journal *Zapruder World* (2016).

At the University of Virginia this fall, Elena will be teaching a seminar on migrations in Latin American history, as well as a lecture course on revolutions and environmental history in Latin America. In the spring, she will teach a course on race, sex, and the Cold War, as well as a seminar on writing histories in a global world. She will continue work on her book while revising an article on gender and solidarity in mining camps during times of political violence in Bolivia.

DAVID SINGERMAN

Assistant Professor
Corcoran Department of History/American Studies Program



A historian who studies capitalism, the environment, and science and technology, David Singerman is currently researching the American sugar empire of the late 19th century. His work shows how local conflicts over knowledge and labor, from Cuba to Hawai'i, shaped transnational questions of monopoly and corruption.

Singerman's research has been supported by the National Science Foundation, the Social Science Research Council, and the Chemical Heritage Foundation, among others. In 2015, his dissertation was awarded prizes for best dissertation in business history by the Business

History Conference and the Association of Business Historians (UK). He has published articles in *Radical History Review*, the *Journal of British Studies*, and *The Journal of the Gilded Age and Progressive Era*.

Singerman received his Ph.D. from MIT's Program in Science, Technology, and Society (2014), an M.Phil. in history and philosophy of science from the University of Cambridge (2007), and a B.A. in history from Columbia University (2006). Before coming to UVA, Singerman was a postdoctoral associate at Rutgers University and a research associate at Harvard Business School.

This fall, Singerman will teach an introductory history seminar titled "Corruption and Fraud." In the spring, he will teach "Science and Democracy in America," as well as a required theories and methods course for American Studies.

TYSON REEDER

Research Assistant Professor and Assistant Editor
Papers of James Madison



A historian of early America and the Atlantic world, Tyson Reeder researches transimperial commercial networks, race and revolution in the Atlantic, and early U.S. state building. His book, *Commerce and Liberation: North America, Brazil, and Trade in the Age of Revolution*, is under contract with the University of Pennsylvania Press. His articles have appeared in the *Journal of American History* and the *Journal of the Early Republic*. Reeder is the recipient of the Henry Belin du Pont Research Grant, the Lord Baltimore Fellowship, and the Program in Early American Economy and Society Fellowship. He also won the Emile G. Scholz award at the University of California, Davis.

Reeder received his Ph.D. from the University of California, Davis. Before joining the Papers of James Madison, the nonprofit documentary editing project established to procure, edit, annotate, and publish the lifetime correspondence of the fourth U.S. president, Reeder worked as a historian for the Joseph Smith Papers at the Church History Library in Salt Lake City. His next book project will explore early American discourse about violent slave resistance by analyzing the evolving collective memory about the Jamaican Maroon Wars.

PRASIT BHATTACHARYA

Whyburn Instructor
Department of Mathematics



Working in the area of algebraic topology, Prasit Bhattacharya researches computational aspects of stable homotopy theory. Specifically, he explores stable homotopy groups of spheres, using chromatic homotopy theory. He studies v_n -self-maps that result in infinite families of elements in stable homotopy groups of spheres, and his current research involves C_2 -equivariant computations, with a focus on the telescope conjecture.

Bhattacharya completed his bachelor's degree (2007) and his master's degree in mathematics (2009) at the Indian Statistical Institute in Bangalore, India. He

completed his Ph.D. at Indiana University (2015). Bhattacharya comes to the University of Virginia from the University of Notre Dame, where he served as a visiting assistant professor (2015-2017).

Bhattacharya has taught mathematics courses at all college levels, including pre-calculus, calculus (at various levels), linear algebra and finite mathematics. He enjoys mentoring undergraduate students as well as high-school students. Bhattacharya hopes to continue mentoring students at UVA and to teach courses at various levels while organizing graduate-level seminars, as he has at previous institutions.

BENJAMIN HAYES

Assistant Professor
Department of Mathematics



Working with colleagues in the Department of Mathematics' operator theory group, Benjamin Hayes researches topics involving the measurement of how many finitary approximations there are of a given infinitary object, including: entropy for actions of nonamenable groups, free probability with connections to von Neumann algebras and random matrices, and sofic groups.

Hayes arrives at the University of Virginia with a grant from the National Science Foundation's Division of Mathematical Sciences for his continuing research. He has published nine papers, including articles in *Geometric and Functional*

Analysis, *International Mathematics Research Notices* and *Journal of the Institute of Mathematics Jussieu*. As a graduate student at UCLA, Hayes earned a Dissertation Year Fellowship and the Heaviside Wealth Management Award, which recognizes the graduate student who does the best job explaining their research to someone outside of their field.

Hayes received his B.S. in mathematics from the University of Washington (2009) and earned his Ph.D. in mathematics from UCLA (2014).

Hayes will be teaching an Introductory Real Analysis course in the fall and Calculus on Manifolds in the spring. Excited to work with the department's operator theory group, Hayes also plans to explore possible collaborations and connections with the department's algebra and probability groups.

VIVEK MUKUNDAN

Postdoctoral Fellow and Lecturer
Department of Mathematics



Working in the areas of commutative algebra and algebraic geometry, Vivek Mukundan's research spans methods for computing the defining ideal of the Rees algebra, studying the invariants of powers of edge ideals, multiplicity theory, Koszul algebras and other topics.

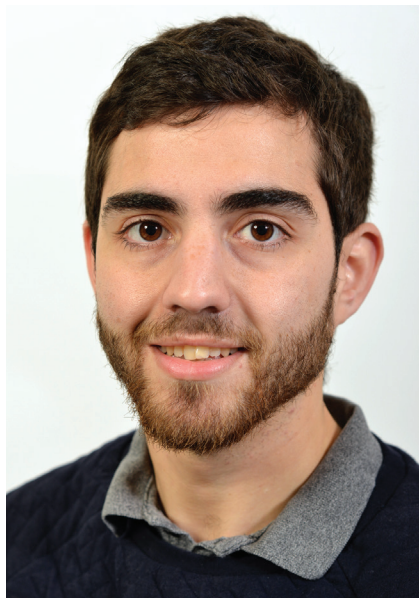
Vivek received his master's degree in mathematics from the Indian Institute of Technology in Madras, India, and a Ph.D. in mathematics from Purdue University. Before coming to the University of Virginia, he was a visiting fellow at the Tata Institute of Fundamental Research in Mumbai, India.

Mukundan's research grants and fellowships include a National Science Foundation grant, multiple summer research grants from Purdue University, a National Board for Higher Mathematics postdoctoral fellowship from India's Department of Atomic Energy, an INSPIRE Faculty Award from India's Ministry of Science & Technology, a Jawaharlal Nehru Centre for Advanced Scientific Research Fellowship, and travel grants from the American Mathematical Society and the Mathematical Research Communities program.

At UVA, he plans on furthering his research in the fields of commutative algebra and algebraic geometry while expanding his teaching repertoire.

LIRON SPEYER

Whyburn Instructor
Department of Mathematics



A postdoctoral researcher specializing in representation theory, Liron Speyer focuses his work on the study of a fundamental object known as the symmetric group, as well as several families of related mathematical objects. These include the quiver Hecke algebras introduced in the last decade, which have brought about a surge of interest in the area.

Liron will be joining the University of Virginia directly from Osaka University, Japan, where he held a postdoctoral fellowship funded by the Japan Society for the Promotion of Science. After receiving his Ph.D. in mathematical sciences from Queen Mary University of London, and his

master's degree in mathematics from the University of Warwick, he held a visiting postdoctoral position at the University of East Anglia, funded by the London Mathematical Society.

Liron's work has been published in *Transactions of The American Mathematical Society*, *Proceedings of The American Mathematical Society*, *International Mathematics Research Notices*, as well as three top algebra journals.

This academic year, Liron will teach algebra courses for science majors, while his research will largely focus on constructing a vast generalization of the famous Littlewood–Richardson Rule in the context of quiver Hecke algebras.

MEREDITH CLARK

Assistant Professor
Department of Media Studies



A former newspaper journalist whose research focuses on the intersections of race, media and power, Meredith Clark (@meredithclark) is a regular contributor to The Poynter Institute's Poynter.org diversity column. She has worked as a copy editor, reporter, editorial board editor and columnist at newspapers including the *Austin American-Statesman*, the *Tallahassee Democrat*, and *The News & Observer*.

Her research has been published in *Electronic News*, *Journalism & Mass Communication Educator*, the *Journal of Social Media in Society*, and *New Media & Society*.

In 2015, her award-winning dissertation on Black Twitter earned Clark a spot on "The Root 100," *The Root* news website's list of the most influential African Americans in the country.

Clark earned her bachelor's degree in political science and her master's degree in journalism from Florida A&M University. She earned her Ph.D. in mass communication from the University of North Carolina at Chapel Hill. She comes to UVA from the University of North Texas, where she spent three years as a tenure-track assistant professor of digital and print news.

ELIZABETH ELLCESSOR

Assistant Professor
Department of Media Studies



Conducting research on access to digital media technologies and cultures, particularly with respect to disability and bodily difference, Elizabeth Ellcessor has addressed various forms of closed captioning, American Sign Language translation, video games and disability, and celebrities' usage of social media to draw attention to disability access. Her work blends interview and ethnographic methods with the analysis of policy and legal documents, cultural artifacts, and digital media infrastructures and devices.

She is the author of *Restricted Access: Media, Disability, and the Politics of Participation* (NYU Press, 2016) and co-editor of *Disability Media Studies* (NYU, 2017). Her work has also appeared in journals such as *Cinema Journal*, *First Monday*, *Television & New Media* and *New Media & Society*.

Ellcessor received her M.A. and Ph.D. from the University of Wisconsin, Madison, and she was previously an assistant professor at Indiana University, where she taught classes on media industries, social media celebrity and media convergence.

Ellcessor will be teaching courses on digital media culture, while using her upcoming book to teach disability media studies. Her current research explores how digital technologies are changing the conditions of access and civic engagement for emergency media services such as 911.

ABDUL NASIR

Lecture of Hindi-Urdu
Department of Middle Eastern and South Asian Languages & Cultures



Developing an instructional method that emphasizes a systematic, yet natural and holistic approach to teaching language skills, Abdul Nasir spent nine years teaching various levels of courses to students from all over the world at the Landour Language School in Mussoorie, one of India's oldest institutions dedicated to the teaching of Hindi-Urdu. Nasir's research is rooted in the linguistic structures of Hindi-Urdu, and his unique pedagogical approach serves at the core of a textbook he is currently writing for beginner students of the language.

Nasir was a visiting lecturer of Hindi-Urdu at the University of North Carolina at Chapel Hill last academic year and a senior instructor at the Landour Language School before that (2007-2016).

Nasir received his B.A. in Urdu Literature from Jamia Urdu Aligarh, and his M.A. in Hindi Literature from Hemvati Nandan Bahuguna Garhwal University, both in India. He also has a B.S. from Chaudhary Charan Singh University in Meerut, Uttar Pradesh, India.

Passionate about sharing his knowledge with students to make learning Hindi-Urdu easier and more enjoyable, Nasir will be teaching three sections of beginning Hindi-Urdu this academic year.

A.D. CARSON

Assistant Professor of Hip-Hop and the Global South
McIntire Department of Music



An award-winning artist and educator at the forefront of contemporary hip-hop scholarship, A.D. Carson has had his essays, music and poetry published in a variety of diverse outlets, including *The Guardian*, *Quiddity International Literary Journal* and *Public-Radio Program*, and the *Journal for Cultural and Religious Theory*. As a graduate student, he received Clemson University's 2016 Martin Luther King, Jr. Award for Excellence in Service

for his work with students, staff, faculty, and community members to raise awareness of the university's historic, entrenched racism through his "See the Stripes" campaign, which takes its name from his 2014 poem.

Carson's scholarship focuses on race, literature, history, and rhetorical performances. He completed his Ph.D. in rhetorics, communication, and information design at Clemson, where his unique dissertation generated worldwide media attention. Titled "Owning My Masters: The Rhetorics of Rhymes & Revolutions," Carson's dissertation was a digital archive that featured a 34-track hip-hop album that he wrote, performed and produced. Featuring rhymes weaving through history, literature, art and current events, Carson's digital archive and album were recognized by Clemson's Graduate Student Government as the 2017 Outstanding Dissertation.

Carson's essay "Trimalchio from Chicago: Flashing Lights and the Great Kanye in West Egg" appears in *The Cultural Impact of Kanye West* (Palgrave Macmillan, 2014), and "Oedipus—Not So Complex: A Blueprint for Literary Education" is in *Jay-Z: Essays on Hip Hop's Philosopher King* (McFarland & Co., 2011). Carson also has written a novel, *COLD*, which hybridizes poetry, rap lyrics, and prose, and *The City: [un]poems, thoughts, rhymes & miscellany*, a collection of poems, short stories, and essays.

This academic year, Carson will teach two writing and composition classes and a third class, "The Black Voice," exploring topics related to and extending from the definition of the terms in the course's title as well as the expression and repression of "black" voices in America.

KELLY PETERSON PERAL

Lecturer, Oboe
McIntire Department of Music



Having just completed a one-year position with the Charlottesville Symphony at the University of Virginia, Kelly Peral is officially joining the Arts & Sciences faculty as a lecturer in Oboe and as principal oboe with the Charlottesville Symphony. She also is joining UVA's faculty woodwind quintet, the Albemarle Ensemble.

Peral's performance work includes engagements with the Metropolitan Opera, the Orpheus Chamber Orchestra, the New York City Ballet, the New Jersey Symphony Orchestra, numerous Broadway shows, the Palm Beach Opera, the Palm Beach Chamber Music Festival,

The Florida Orchestra, the New World Symphony, the Chamber Orchestra of Philadelphia, the National Symphony Orchestra, the Richmond Symphony, the Roanoke Symphony, and the Williamsburg Symphony, among others. She has served on the faculties of The Juilliard School's Pre-College Division, Miami's New World School of the Arts and Florida International University, as well as the Cleveland Music School Settlement. She is a recipient of the New World School of the Arts' Most Outstanding Teacher Award.

With a bachelor's degree in music performance from the Cleveland Institute of Music and a master's degree from The Juilliard School, Peral counts David Goza, Daniel Stolper, Jan Eberle, John Mack, and Elaine Douvas among her major teachers. She also is a graduate of Interlochen Arts Academy in Michigan and a 1987 NFAA Presidential Scholar in the Arts.

LEAH REID

Assistant Professor
McIntire Department of Music



A composer of acoustic and electroacoustic music, Leah Reid will be teaching music composition and technology courses at the University of Virginia. Her primary research interests involve the perception, modeling and compositional applications of timbre, which she utilizes as a catalyst for exploring new soundscapes, time, space, perception, and color in her works.

Reid's music has been described in recent reviews as "immersive," "haunting," and "shimmering." She has won numerous awards for her works, including the International Alliance for Women in Music's Pauline Oliveros Prize for her piece

Pressure and the Film Score Award for her piece *Ring, Resonate, Resound* in Frame Dance Productions' Music Composition Competition. Her works are frequently performed throughout Europe and North America, with notable premieres by Accordant Commons, the Jack Quartet, McGill's Contemporary Music Ensemble, Sound Gear, Talea, and Yarn/Wire. Her compositions have been presented at festivals, conferences, and in major venues throughout the world, including BEAST FEaST (England), EviMus (Germany), Forgotten Spaces: EuroMicrofest (Germany), the International Computer Music Conference (USA), IRCAM's ManiFeste (France), the San Francisco Tape Music Festival, the Sound and Music Computing Conference (Germany), the Tilde New Music Festival (Australia) and the Toronto International Electroacoustic Symposium, among many others.

Reid received her Doctor of Musical Arts and her Master of Arts degrees in music composition from Stanford University. She earned her Bachelor of Music degree from McGill University. Reid has taught at Stanford University, University of the Pacific, and Cogswell Polytechnical College. Additional information about Reid's music and her career may be found online at www.leahreidmusic.com.

BENJAMIN ROUS

Associate Professor
McIntire Department of Music



As a conductor, composer, arranger, and multi-instrumentalist, Benjamin Rous is dedicated to orchestral music from the baroque to the present. He is interested in historically informed performances of early music, in exploring the work of current composers, and in the ways that works from different centuries can inform each other.

Rous was a featured conductor in the 2013 Bruno Walter National Conductor Preview and has recently appeared as a guest conductor with the National Symphony Orchestra, the Buffalo Philharmonic, the Long Beach Symphony Orchestra, and many others. His compositions

and arrangements have been performed by a diverse range of ensembles, including the Virginia Symphony Orchestra, the Long Beach Symphony Orchestra, the Roanoke Symphony Orchestra and the Fromm Players.

Benjamin Rous earned a B.A. in music, with an emphasis on composition, at Harvard University, and an M.M. and D.M.A. in orchestral conducting from the University of Michigan. At the University of Virginia, he intends to expand on his involvement with the art of orchestration, especially its continually developing contemporary techniques. He also plans to build the performance culture of the Charlottesville Symphony and to explore other interdisciplinary opportunities for orchestral music at UVA.

ZACHARY IRVING

Assistant Professor
Department of Philosophy



Although mind-wandering occupies up to half our waking thoughts, traditionally it has been neglected by philosophers and cognitive scientists. Zachary Irving's research develops a theory of mind-wandering, defined as unguided attention that is philosophically precise, empirically measurable and grounded in the brain.

Roughly speaking, attention is guided when you would feel pulled back from distractions. Because mind-wandering is unguided,

your attention drifts from topic to topic unchecked. Irving's empirical collaborations hypothesize that guidance arises due to the interactions of large-scale brain networks, and therefore that the mind wanders when these interactions subside. This research has been published in leading journals, including *Philosophical Studies* and *Nature Reviews Neuroscience*.

Irving completed his Ph.D. in philosophy at the University of Toronto. As a postdoctoral scholar at the University of California, Berkeley, he collaborated with developmental psychologist and philosopher Alison Gopnik and neuroscientist Kalina Christoff.

Irving is scheduled to join the Arts & Sciences faculty in January 2018. He plans to teach an undergraduate course in philosophy of mind and a graduate seminar titled "Mind Wandering and the Rationality of Imagination." His philosophical research next year will explore the significance of mind-wandering for action theory, and his empirical collaborations will examine how ordinary people understand mind-wandering and explore its relationship to creativity and mental illness.

ARUN PARAMEKANTI

Professor
Department of Physics



A theoretical condensed matter physicist, Arun Paramekanti is broadly interested in collective quantum phenomena of electrons in solid state materials and of atoms in Bose-Einstein condensates. His work has shed light on high-temperature superconductivity, on the unusual organization and dynamics of frustrated spins in solid state crystals, and on two-dimensional electronic fluids in materials such as graphene and oxide interfaces. Paramekanti uses analytical tools and computer-simulation methods to study these systems, which hold the potential for technological applications.

Paramekanti received his Ph.D. in physics from the Tata Institute for Fundamental Research (2002). He was a postdoctoral fellow at the University of California, Santa Barbara (2002-2004) and the University of California, Berkeley (2004-2005). He joined the faculty of the University of Toronto in 2005, where he was an assistant professor (2005-2010), an associate professor (2011-2017), and a full professor (2017) before coming to the University of Virginia. Paramekanti has received numerous awards and honors, including the Alfred P. Sloan Fellowship (2006-2009) and the Government of Ontario's Early Researcher Award (2007-2011). He is a Fellow of the Quantum Materials Programme of the Canadian Institute of Advanced Research and also has served as vice-chair (2011-2012) and chair (2012-2013) of the Canadian Association of Physicists' Division of Condensed Matter and Materials Physics.

KENT YAGI

Assistant Professor
Department of Physics



Kent Yagi's research probes fundamental physics, such as gravitational and nuclear physics, with studies of gravitational waves from binary black holes and neutron stars. Through his work, Yagi has discovered unexpected and useful relations among some observable neutron stars.

He has co-authored papers published in the American Physical Society's *Physical Review D* ("Theoretical Physics Implications of the Binary Black-Hole Mergers," Oct. 4, 2016) and *Science* ("I-Love-Q: Unexpected Universal Relations for Neutron

Stars and Quark Stars," July 26, 2013). Yagi received a postdoctoral fellowship for research abroad from the Japan Society for the Promotion of Science (2015-17) and was awarded the 2014 Outstanding Technical Staff Award by Montana State University's Physics Department.

Yagi acquired his Ph.D. in physics at Kyoto University. He was a postdoctoral scholar at Montana State University and Princeton University. At the University of Virginia, he plans to collaborate with colleagues within the Department of Physics as well as with faculty members in the Department of Astronomy and at the National Radio Astronomy Observatory.

HUDSON GOLINO

Assistant Professor
Department of Psychology



Hudson Golino's research focuses on quantitative methods, psychometrics and machine learning applied in the fields of psychology, health and education. His work explores new ways to assess the number of dimensions (i.e. latent variables) underlying multivariate data, as well as the development and validation of tests, questionnaires and other assessment instruments.

Golino has proposed a new approach, called Exploratory

Graph Analysis that presents several advantages to verify the number of latent variables. He will continue his Exploratory Graph Analysis project at UVA, extending it to deal with intensive longitudinal data that may contribute, for example, to the understanding of human development, the dynamics of symptoms in psychopathology and the performance of students in educational tests over time.

The lead author of the first book written in Portuguese about the Rasch model and its use in analyzing questionnaire responses and other categorical data (published by Pearson in Brazil in 2015), Golino was awarded the International Test Commission Young Scholar Scholarship (2012). He also received the Sanofi Innovation in Medical Services award (2015) for developing a system to improve the prediction accuracy of outcomes in intensive care units.

Golino completed his Ph.D. (2015) at Universidade Federal de Minas Gerais (UFMG) in Brazil, where he studied applications of machine learning in psychology, education and health. Golino also holds an M.A. in developmental psychology (2012) and a B.S. in psychology (2011), also from UFMG.

At UVA, Golino will teach undergraduate and graduate courses on quantitative methods. He also plans to offer courses on applied machine learning for psychologists and on the construction and validation of assessment instruments.

PER SEDERBERG

Associate Professor
Department of Psychology



Investigating the successes and failures of human memory, Per Sederberg aims to develop a comprehensive theory of memory formation and retrieval that links behavior to underlying neural mechanisms. His work combines a number of approaches to uncover the neural correlates and to develop computational models of the complex dynamics of human memory processes, including multivariate analysis of neural data collected via functional magnetic resonance imaging and EEG tests of the brain, large-scale behavioral experiments and computational modeling.

Sederberg is coming to the University of Virginia from Ohio State University, where he served as an associate professor of psychology, director of the Computational Memory Lab and chief scientist of the Stanley D. and Joan H. Ross Center for Brain Health and Performance. His scholarship has been published in *Proceedings of the National Academy of Science*, *Journal of Neuroscience*, *Neuroinformatics*, *Psychological Review*, *Psychological Science* and other academic journals. His research is funded by the Air Force Research Laboratory, the National Science Foundation, the Rudi Schulte Research Institute and the Ohio State Center for Cognitive and Brain Sciences. He received his Ph.D. in neuroscience from the University of Pennsylvania and served as a postdoctoral fellow at Princeton University.

Sederberg is a member of the Society of Neuroscience, the Cognitive Neuroscience Society and the Society for Mathematical Psychology, and an associate of the Psychonomic Society.

ASHON T. CRAWLEY

Assistant Professor
Department of Religious Studies/Carter G. Woodson Institute
for African-American and African Studies



Joining the University of Virginia from the University of California, Riverside, where he served on the Department of Ethnic Studies faculty, Ashon Crawley will hold joint appointments in the Department of Religious Studies and in the Carter G. Woodson Institute for African-American and African Studies. He is the author of *Blackpentecostal Breath: The Aesthetics of Possibility* (Fordham, 2016). His other published works include “That There Might Be Black Thought: Nothing Music and the Hammond B-3” in the Fall 2016 issue of *CR: The New Centennial Review* (Michigan State

University Press) and “Harriet Jacobs Gets a Hearing” in *Current Musicology* (2012) amongst others. Crawley’s work also has appeared in *The Root*, *Arts Everywhere*, *The Normal School* and *Interfictions*.

Currently, Crawley is working on three projects: an “autobiofiction” exploring the relationship between love, desire and blackness tentatively titled “The Lonely Letters”; a manuscript about the Hammond B-3 organ and its role in black sacred music; and a manuscript exploring what he calls the “Black Radical Mystical Tradition.” The third project aims for an engagement with and a critique of the way mysticism in Western thought has been unmarked but racialized, unmarked but with privileged European epistemologies.

ANNA BOROVSKAYA-ELLIS

Assistant Professor

Department of Slavic Languages and Literatures



A language teacher with international experience instructing a wide range of students of various ages, economic backgrounds and diverse cultural backgrounds, Anna Borovskaya-Ellis researches Russian and Polish poetry and prose, both contemporary and 20th-century.

Borovskaya-Ellis gained extensive experience teaching language, literature, history and culture courses during her years of graduate study in Russia and in the United States. Borovskaya-Ellis received her bachelor's and Master of Arts degrees in philology at Herzen State Pedagogical University in St. Petersburg, Russia. After moving

to the United States, she completed an M.A. in Slavic Studies at the University of Missouri and her Ph.D. in the same field at the University of Wisconsin-Madison.

Borovskaya-Ellis honed her language teaching skills at the UW-Madison Russian Flagship Program, which prepares U.S. students to develop a professional level of competence in Russian language and culture. She is certified by the American Council on the Teaching of Foreign Languages (ACTFL) as an Oral Proficiency Interview tester. Borovskaya-Ellis's long-standing interest in the scholarship of methodology and educational psychology continues to guide her teaching and scholarship.

Borovskaya-Ellis will be teaching Russian language courses and a linguistic theory course examining methods of teaching Slavic Languages.

FIONA GREENLAND

Assistant Professor

Department of Sociology



Studying the interplay of political ideology, state formation, and national traditions in the production of cultural heritage, Fiona Greenland is interested in why artifacts and ruins are so effective in conveying messages of political change and social exclusion.

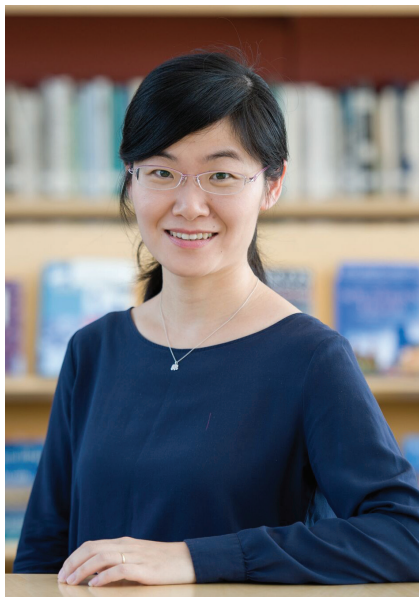
Her work has been supported by the Social Science Research Council (SSRC) and the Institute for Science, Innovation, and Society (Oxford). Recent publications include "Color Perception in Sociology" (*Sociological Theory*, 2016), "Universalism, Nationalism, and the Italian Model of Repatriation" (*Brown Journal*

of World Affairs, 2017), and "In, On, and Of the Inviolable Soil: Potsherds and Matters of Nationhood in Modern Italy" (in *National Matters*, ed. Geneviève Zubrzycki, Stanford University Press, 2017). Her forthcoming book, *Ruling Culture: Art police, tomb robbers, and the rise of cultural power in Italy* (University of Chicago Press, 2018), traces the emergence of "cultural power," a particular form of state power developed in modern Italy.

Greenland earned her Ph.D. in sociology from the University of Michigan and her D.Phil. in classical archaeology from Oxford University. Before coming to UVA, she was a postdoctoral research fellow at the Neubauer Collegium for Culture and Society at the University of Chicago. This academic year, she will teach courses on criminology and culture while continuing to develop her individual and collaborative research on cultural violence.

YINGYAO WANG

Assistant Professor
Department of Sociology



Yingyao Wang's research interests include economic and political sociology, comparative and historical sociology, formal and complex organizations, the sociology of development, and China. Her work has examined how state elites' career trajectories, intellectual networks and political cliques shape bureaucratic structures and state regulations in China.

Wang has published in the *British Journal of Sociology*, *Socio-Economic Review* and *Politics & Policy*. Her paper "The Rise of the Shareholding State: Financialization of Economic Management in China" received the Best Paper Award on Asian

Capitalism at the 2014 Annual Meeting of the Society for the Advancement of Socio-Economics.

Before joining the Arts & Sciences faculty, Wang was a postdoctoral fellow of international studies at the Watson Institute for International and Public Affairs at Brown University. This academic year, she will be teaching graduate-level courses in political sociology. She will continue her work transforming her dissertation into a book manuscript while completing side projects on corruption, taxation and foreign direct investments.

KATE NEFF

Lecturer
Department of Spanish, Italian & Portuguese



Kate Neff is a lecturer in the Department of Spanish, Italian and Portuguese. She teaches elementary, intermediate, and advanced intermediate Spanish, and her areas of interest include second language acquisition, student motivation, accessibility in the language classroom, and instructional technology. She recently participated in the University's Course Design Institute and is involved in the Department of Spanish, Italian & Portuguese's implementation of a web-based platform for students to create and share electronic portfolios of their course work.

Neff holds a B.A. in English and Spanish from Grove City College and an M.A. in Spanish from the University of Virginia. She has taught at the University of Virginia and Longwood University, where she contributed to Project LINC (Learning In iNclusive Classrooms), a multi-year project devoted to supporting language instructors in inclusive classroom techniques. She has also taught middle school Spanish, coordinated an exchange program, and led various student trips.

In the upcoming academic year, Neff will be teaching and serving as preceptor for the Department's elementary Spanish classes and further exploring and developing the role of the e-portfolio in those courses.

JORDAN RODU

Assistant Professor
Department of Statistics



Jordan Rodu studies high-dimensional time series with applications to neuroscience, natural language processing and finance. His work has explored two primary topics: extending method-of-moments estimation techniques to several latent state models in service of prediction and classification tasks, and the development of approaches to recover temporally dynamic cross correlation structure between multidimensional time series. Rodu's collaborations with scientists at the University of Pittsburgh and Carnegie Mellon University have included projects investigating the microcircuitry of neurons in mouse brains exhibiting obsessive

compulsive disorder and the presence of excess synchrony in mouse brains exhibiting symptoms of Parkinson's disease.

Rodu received his Ph.D. from the University of Pennsylvania and was a postdoctoral scholar at Carnegie Mellon University before coming to the University of Virginia. He plans to continue his work on high-dimensional time series while teaching a fall course on data visualization.

XIWEI TANG

Assistant Professor
Department of Statistics



With research experience that spans dependent and longitudinal data analysis, dimension reduction, mixture modeling, machine learning, individualized modeling and personalized medicine, and imaging analysis, Xiwei Tang has collaborated with investigators and analysts exploring bioengineering, economics, medicine and other fields. He has served as a statistical consultant with the Mills Breast Cancer Institute in Urbana, Illinois to build a prognosis model assessing the risk of relapse for breast cancer patients. He also worked with a Chicago suburban bus service, analyzing a year of passenger and bus route data to predict route demands for the next year, among other consulting projects.

Tang received a travel award from the American Statistical Association to present a paper at the 2017 Joint Statistical Meetings in Baltimore. Tang is co-author of a 2016 paper published in the *Journal of Computational and Graphical Statistics* and is collaborating on papers to be submitted to the *Annals of Statistics*, the *Journal of the American Association for Laboratory Animal Science* and the *Journal of the Royal Statistical Society: Series C*.

Tang's appointment marks his return to the University of Virginia, where he completed his master's degree in statistics (2012) after earning a bachelor's degree in computational mathematics at Fudan University in Shanghai. He comes to UVA from the University of Illinois at Urbana-Champaign (UIUC), where he completed his Ph.D. in statistics in May 2017. His dissertation was a finalist for UIUC's Horace W. Norton Prize for Outstanding Thesis Research.

LANICE AVERY

Assistant Professor

Departments of Women, Gender & Sexuality, Psychology



Researching the intersections of race, gender, sexuality, and mainstream media, Lanice Avery is interested in the intersectional identity of black women and how the negotiation of dominant gender ideologies and cultural stereotypes are associated with adverse psychological and sexual health outcomes. Her current research focuses on understanding how gender-based psychological and sociocultural factors inform the sexual beliefs, experiences, and health practices of black women in college.

Through her rigorous, interdisciplinary scholarship, Avery aims to promote healthy gender and sexual development among socially marginalized and stigmatized groups. One of her ongoing projects explores how social pressure to live up to competing expectations to be stereotypically feminine (e.g., nurturing, submissive, communal) and stoic (e.g., the stereotype of the strong black woman) adversely affects black women's health. In another project, Avery is examining the role of mainstream and digital media in the socialization of disempowering gender, sexual and cultural beliefs. She also is studying, in a third line of research, how the idealization of a narrow set of standards for feminine beauty and body shape contribute to women's poor body esteem, reduced sexual agency, and negative psychological experiences during sexual intimacy.

Avery earned her Ph.D. in psychology and women's studies from the University of Michigan (2016). She completed her M.S. in psychology also at the University of Michigan (2012) and her B.A. in psychology and Africana studies from San Francisco State University (2009).

This academic year, Avery will be teaching a WGS course titled "Black Feminist Theory" and a Psychology course titled "Psychology of Women and Gender."

DOUG MEYER

Assistant Professor

Department of Women, Gender & Sexuality



Doug Meyer's research focuses on the race, class, and gender dynamics of violence against lesbian, gay, bisexual, transgender and queer (LGBTQ) people. His book, *Violence against Queer People: Race, Class, Gender, and the Persistence of Anti-LGBT Discrimination*, (Rutgers University Press, 2015), offers the first investigation of anti-queer violence that focuses on the role played by race, class and gender.

His book was awarded the 2016 Stonewall Honor Book Award from the American Library Association; the Association of University Presses also named it one of the "Best of the

Best from University Presses" in 2016. He received an Emerging Diversity Scholar citation from the National Center for Institutional Diversity at the University of Michigan, and his work has been published in *Gender & Society*, *Sociology*, *Critical Criminology*, *Journal of Homosexuality*, *Sexuality Research and Social Policy* and other journals.

Meyer graduated from the Graduate Center of the City University of New York (CUNY), with a Ph.D. in sociology and interdisciplinary studies certificates in women's studies and LGBTQ studies. He has been with UVA since 2014 as a visiting instructor; before that, he taught at several CUNY schools in New York City, including Hunter College and Queens College, and served as a visiting assistant professor of sociology at the College of Wooster in Ohio.

Meyer will be teaching LGBTQ studies courses, including courses titled "Queer American History," "Queer Theory," "Issues in LGBTQ Studies," and "Violence Against Sexual Minorities." His future research plans include a second book project on gay, bisexual, and queer men's experiences of sexual assault and a content analysis project on media representations of the 2016 Pulse nightclub shooting in Orlando, Florida.

A student wearing a blue cap and jeans is sitting on the grass under a large tree with yellowing autumn leaves. The background shows a campus with other trees and buildings. A semi-transparent white circle with a dot pattern is positioned behind the text on the right.

ABOUT THE COLLEGE

Comprised of about **12,000 students** and more than **700 faculty**, the College and Graduate School of Arts & Sciences is focused on providing a world-class liberal arts education—providing students with an extensive base of intellectual content and critical thinking skills that enable them to explore ideas, evaluate evidence, draw reasoned conclusions, and communicate one's thoughts in a clear, coherent manner.

Such abilities are particularly important in a world in which knowledge and professions are changing rapidly, and the United States is increasingly part of a global social and economic network. A liberal arts education demands not only rigor and depth, but also sufficient breadth to expose students to a wide range of subjects and methods of studying them.



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