

Approved by the Board of Trustees  
March 15, 2017

8

Board Meeting  
March 15, 2017

### SABBATICAL LEAVES OF ABSENCE, 2017-2018

Action: Approve Sabbatical Leave Requests

Funding: No New Funding Required

The Chancellors at the Urbana-Champaign, Chicago, and Springfield campuses have recommended that the following members of the faculty be given sabbatical leaves of absence in accordance with the provisions of the University of Illinois *Statutes* and on the terms and for the periods indicated.

The programs of research and study for which leaves are requested have been examined on all campuses.

The Executive Vice President and Vice President for Academic Affairs concurs in these recommendations.

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes*, *The General Rules Concerning University Organization and Procedures*, and Board of Trustees policies and directives.

The President of the University recommends approval.

## URBANA-CHAMPAIGN

COLLEGE OF AGRICULTURAL,  
CONSUMER AND ENVIRONMENTAL SCIENCESDepartment of Agricultural and Consumer Economics

PETER D. GOLDSMITH, Associate Professor

Academic year 2017-18, two-thirds pay

To conduct research and to publish a book on the economic history of Mato Grosso Brazil, one of the largest agro-industrial states in the world, focusing on how its unique development model might apply to other regions in the tropics.

HAYRI ONAL, Professor

First semester 2017-18, full pay

To develop economic simulation models and to conduct research on two projects: the impacts on the Turkish economy of hosting three million Syrian refugees and the use of trans-boundary water resources.

Department of Animal Sciences

ISAAC CANN, Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To research how fiber digestion by microbes in the human large intestine impacts human health and nutrition; and to incorporate research outcomes into teaching materials.

Department of Crop Sciences

GUSTAVO CAETANO-ANOLLES, Professor

Second semester 2017-18, full pay

To complete and to synthesize research in the origin and evolution of proteins and viruses, link theory, and experimentation in molecular evolution; and to produce a manuscript reporting these findings.

DEAN EDWARD RIECHERS, Professor

First semester 2017-18, full pay

To conduct research on the herbicide safener mechanism of action in grain sorghum and learn new metabolite profiling methods in plants; and to complete an educational *Teaching Tool in Plant Biology* on herbicides and weed resistance.

Department of Human Development and Family Studies

KELLY K. FREEMAN BOST, Professor

Second semester 2017-18, full pay

To conduct research on the health and significance of family mealtimes, family interactions, and biological factors that increase obesity risk from a cross-cultural perspective; and to complete publications relating to pediatric obesity.

ROBERT HUGHES, JR., Professor

First semester 2017-18, full pay

To conduct research on exemplary online educational programs in Human Development and Family Studies in order to develop a guide for best practices in administering and teaching effective online undergraduate and graduate programs.

Department of Natural Resources and Environmental Sciences

RICHARD J. BRAZEE, Associate Professor

Academic year 2017-18, one-half pay

To conduct research on the economic management of continuous cover forests, which will potentially impact the productivity, health, and sustainability of many forested ecosystems; and to publish results in peer-reviewed journals.

ROBERT J. M. HUDSON, Associate Professor

First semester 2017-18, full pay

To develop simulation models of pollutant discharges in rivers, streams, and lakes for assessing pesticide risk, new regulations, and environmental restoration; and to measure the rates at which mercury pollution is transformed into its most easily bio-accumulated chemical form.

**COLLEGE OF APPLIED HEALTH SCIENCES**Department of Kinesiology and Community Health

FLAVIA CRISTINA DRUMOND ANDRADE, Associate Professor

Second semester 2017-18, full pay

To conduct research on how socioeconomic disparities influence incidence and prevalence of chronic conditions, disability, and mortality in Brazil and Mexico; and to write papers on the findings.

## COLLEGE OF BUSINESS

Department of Business Administration

MICHAEL KIM LIM, Associate Professor

Second semester 2017-18, full pay

To examine government's role in nurturing emerging green-technology industries and products, and to provide managerial insights relevant to decision makers such as government policy makers.

B. JOSEPH WHITE, Professor

First semester 2017-18, full pay

To conduct research on profit sharing practices in American companies, both private and public, which affect employees' earnings and retirement savings; and to write one or more articles on the subject, possibly developing the research into a book.

Department of Finance

HEITOR ALMEIDA, Professor

Second semester 2017-18, full pay

To conduct research and to write papers on the dynamics of corporate financial and investment policies resulting from temporary shocks to cash flow due to movements in oil prices and exchange rates.

NEIL D. PEARSON, Professor

First semester 2017-18, full pay

To examine account records from a large Chinese stock brokerage firm to research the development of the Chinese market and the dynamics of investor behavior, focusing on changes in market efficiency; possibly leading to publications.

## COLLEGE OF EDUCATION

Department of Curriculum and Instruction

EURYDICE BAUER, Associate Professor

Academic year 2017-18, two-thirds pay

To analyze a bilingual program including five years of extensive data on students' language and literacy development as they matriculated through grades K-5; and to write a monograph of the findings for publishing.

STAFFORD HOOD, Professor

Second semester 2017-18, full pay

To research student assessment methods used by Irish teachers for instruction in schools with high enrollments of racial/language minority and migrant students, exploring the inclusion of culturally responsive strategies to increase assessment effectiveness; and to develop an online course and produce two books.

SARAH THEULE LUBIENSKI, Professor

First semester 2017-18, two-thirds pay

To conduct a new line of research on gender differences in mathematical problem solving, including analyzing data collected from middle/high school students; and to write at least two articles on the results.

Department of Education Policy, Organization and Leadership

K. PETER KUCHINKE, Professor

First semester 2017-18, full pay

To investigate the transfer of university-based leadership education to early career and employment with the aim of improving the relevance of current leadership development; and to develop journal manuscripts for leading empirical journals and disseminate research results.

JIE LI, Associate Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To investigate organizational factors that impact employee turnover intentions over time, which can be used to improve the design of human resource policies and practices; and to disseminate findings through peer-reviewed and practitioner journal publications.

ANJALE DEVAWN WELTON, Associate Professor

Second semester 2017-18, full pay

To examine neoliberal, colorblind racism as the “new normal” in educational policymaking and subsequent leadership practice in the United States and globally; and to provide direction for educational policy makers and leaders to make race conscious/anti-racist policy decisions.

Department of Special Education

LISA ELLEN MONDA-AMAYA, Professor

First semester 2017-18, full pay

To conduct research on educational practices that impact how universities provide services to students with disabilities and how they collaborate with K-12 schools; and to complete five publications.

## COLLEGE OF ENGINEERING

Department of Civil and Environmental Engineering

CARLOS ARMANDO DUARTE, Professor

First semester 2017-18, two-thirds pay

To conduct research on novel computational methods applicable to large fracture networks; and to write a book on enriched finite element methods, especially oil and gas industry hydraulic fracturing and mechanical fracture problems in aircraft panels.

Department of Computer Science

DAVID A. PADUA, Professor

Academic year 2017-18, one-half pay

To conduct research and to advance auto-vectorization technology and its application to the programming of multicore embedded systems in modern supercomputers.

Department of Electrical and Computer Engineering

MATTHEW GILBERT, Associate Professor

Academic year 2017-18, two-thirds pay

To research the use of emergent materials for next-generation information processing platforms and their composite devices, which holds the promise of providing improvements in efficiency at greatly reduced power consumption; and to produce papers on results.

DOUGLAS L. JONES, Professor

Academic year 2017-18, two-thirds pay

To develop new stimulation patterns for brain-machine interfaces, such as cochlear implants, based on optimal neuronal source-coding theory, which may allow significant life improvement for those with sensory or neural disabilities.

FARZAD KAMALABADI, Professor

Academic year 2017-18, two-thirds pay

To conduct research on predictive data analysis techniques and the associated statistical learning algorithms in financial markets and trade, with the ultimate goal of quantifying the limits of prediction.

VENUGOPAL VARADACHARI VEERAVALLI, Professor

Academic year 2017-18, two-thirds pay

To conduct collaborative research on statistical signal processing methods for healthcare applications of wearable sensor technology, with the aim of delivering low-cost, non-intrusive and continuous data collection for patient care.

Department of Industrial and Enterprise Systems Engineering

DUSAN M. STIPANOVIC, Associate Professor

Academic year 2017-18, one-half pay

To work on novel problems in complex multi-objective control and multi-player differential games, which will impact medical robotics, large infrastructure systems, coordination of multi-vehicle systems, and power electronics; and to write articles and research proposals on the outcomes.

DEBORAH L. THURSTON, Professor

First semester 2017-18, full pay

To research human-computer decision systems, with a special focus on the use of data analytics by healthcare providers, in order to learn more specifically how human expertise can be enhanced through the use of data analytics.

Department of Materials Science and Engineering

MOONSUB SHIM, Associate Professor

First semester 2017-18, full pay

To research and to collaborate on new designs and studies on light-emitting and detecting devices, incorporating emerging nanoscale materials; and to enable practical applications of that emerging class of materials and the underlying physics of the resulting devices.

Department of Mechanical Science and Engineering

JOSEPH BENTSMAN, Professor

First semester 2017-18, full pay

To work on control theory of spatially distributed systems with moving boundaries at the solid/liquid interfaces, which impacts steel casting and electrosurgery; and to revise an undergraduate textbook in preparation for a second printing.

SASCHA HILGENFELDT, Professor

Academic year 2017-18, two-thirds pay

To expand and to diversify research efforts in micro-scale fluid dynamics and soft matter self-assembly systems, which impact lab-on-a-chip and bioscience technologies; and to establish collaborations and to complete high-profile publications with leaders in these and related fields.

CHIA-FON LEE, Professor

Second semester 2017-18, full pay

To research the effects of blending bio-crude fuels derived from wet wastes with diesel fuel on fuel properties and low-temperature combustion performance and emissions of

engines, providing insight needed to optimize bio-crude fuel usage for minimum emissions.

Department of Nuclear, Plasma and Radiological Engineering

JAMES F. STUBBINS, Professor

Academic year 2017-18, two-thirds pay; or second semester 2017-18 and first semester 2018-19, two-thirds pay

To conduct research on the development of materials for advanced nuclear and energy application; and to work on general issues of energy analysis and policy such as how energy policy interacts with technology development to provide more efficient and less polluting energy systems.

Department of Physics

PETER MICHAEL ABBAMONTE, Professor

First semester 2017-18, full pay

To complete the development of a new electron-scattering technique for researching collective phenomena in materials; and to advertise the first results and capabilities of this approach to the community through lectures, conferences, and lab visits.

BRIAN LEEDS DEMARCO, Professor

Academic year 2017-18, one-half pay; or first semester 2018-19, full pay

To conduct research on compressive sensing of quantum gases, which impacts our understanding of quantum matter, including physics, optical and laser science, and high-frequency electromagnetics; and to complete a peer-reviewed journal article on this topic.

COLLEGE OF FINE AND APPLIED ARTS

School of Architecture

KEVIN J. HINDERS, Associate Professor

Second semester 2017-18, full pay

To complete a manuscript that uses the campus of the University of Illinois at Urbana-Champaign and its environment to illustrate the principles of the built environment, which explores politics, meaning, structure, mechanical systems, history, phenomenology, and precedents.

MARK TAYLOR, Associate Professor

Academic year 2017-18, two-thirds pay

To investigate the properties and potential of Laminated Veneered Bamboo (LVB) as a rapidly renewable building material with a low carbon footprint; and to discover new

ways of building and acquire new skills to share in the laboratory and classroom.

### School of Art and Design

DEANA C. MCDONAGH, Professor

Second semester 2017-18, full pay

To conduct research and to gather material for a book that lays out design principles impacting our user experience (e.g., products, services, and environments) throughout our life stages (child to senior), especially as we age and potentially develop disabilities.

JOEL ROSS, Associate Professor

First semester 2017-18, full pay

To complete a major body of new sculptural work on the topic of roadside signage; and to further develop provocative sculptural works and their documentation in a gallery or museum environment.

ERNEST D. SCOTT, Associate Professor

First semester 2017-18, full pay

To complete the photography work for the publication and traveling exhibition of the book, *A Life of Birds*, which is an observation and mediation on the habits, tribulations, and wonderments of avian life as staged in Wyoming throughout the four seasons.

JOSEPH C. SQUIER, Professor

Second semester 2017-18, full pay

To conduct research on the impact of social media and digital tools on contemporary creative practices, particularly photography; and to publish findings in a book.

### Department of Dance

JOHN M. TOENJES, Associate Professor

Second semester 2017-18, full pay

To learn to program in C#, which will enhance software used to create a new type of interactive art form: audience interaction through mobile phone technology.

### Department of Landscape Architecture

DAVID LYLE HAYS, Associate Professor

Academic year 2017-18, two-thirds pay

To conduct archive, site, and studio-based research for a new scholarly and creative investigation into “nature close at hand” as an aesthetic paradigm for landscape architecture.

School of Music

BARRINGTON L. COLEMAN, Associate Professor

Academic year 2017-18, two-thirds pay

To conduct research for writing a pedagogic handbook and audio anthology of vocal techniques and performance practice as it relates to the educational and professional experience of male choral ensembles and solo vocal artists.

JONATHAN KEEBLE, Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To publish a book with a target audience of aspirant and professional flutists using research on how language intersects with sound production on the flute; and to apply existing research on flute repertoire.

JEFFREY S. MAGEE, Professor

Academic year 2017-18, two-thirds pay

To complete a book which places the 1959 musical *Gypsy* in the context of American musical theater, drama, and history by exploring its critical perspective on historically situated notions of the American Dream.

TIMOTHY S. MCGOVERN, Associate Professor

Second semester 2017-18, full pay

To conduct research on the study of orchestral bassoon excerpts, which impacts all those who study the bassoon; and to complete a book on *Strategies for the Study of Standard Orchestral Bassoon Excerpts*.

CHARLOTTE MATTAX MOERSCH, Professor

Second semester 2017-18, full pay

To complete a compact disc recording of select sonatas of Johann Christoph Friedrich Bach for solo harpsichord, which will contribute to a transitional period in keyboard literature; and to continue exploration of lesser known composers of solo keyboard repertoire.

WILLIAM MOERSCH, Professor

Second semester 2017-18, full pay

To conduct research and to create an online course on marimba history and literature, which will impact students both on and off campus and aid in recruitment for the percussion program at the university.

Department of Urban and Regional Planning

STACY ANNE HARWOOD, Associate Professor

Second semester 2017-18, full pay; or first semester 2018-19, full pay

To conduct research on the welcoming immigrant movement in shrinking rust-belt cities, which impacts policy makers looking to identify new challenges and opportunities for urban revitalization; and to complete several peer review journal articles on this topic.

## SCHOOL OF INFORMATION SCIENCE

WILLIAM E. UNDERWOOD, Professor

Academic year 2017-18, one-half pay

To write a book entitled *The Horizon of Literary History*, which is about the application of machine learning to English literature, enriching our understanding of the past while showing students how to combine the humanities and quantitative analysis.

## COLLEGE OF LAW

PAUL JUSTIN HEALD, Professor

Second semester 2017-18, full pay

To conduct research on the economics of copyright and the public domain in relation to book and music publishing; and to finish ongoing research on music copyright and gather findings in a new book.

JACQUELINE E. ROSS, Professor

Academic year 2017-18, two-thirds pay

To conduct research and to complete the writing of a book entitled *Undercover Under Scrutiny: A Comparative Look at Covert Policing in the United States, Italy, Germany and France*.

RICHARD J. ROSS, Professor

Second semester 2017-18, one-half pay

To conduct research for a book on political controversies in Seventeenth and Eighteenth Century America that illuminate how people understood and used the rule of law, in order to understand the origins of the law ideology in early America.

JAMELLE C. SHARPE, Professor

Second semester 2017-18, full pay

To conduct research on how the political leadership of federal immigration agencies ensures policy compliance by its civil service employees, which impacts immigration enforcement and illustrates Presidential control of the federal bureaucracy; and to publish

the findings in an article.

NICOLA FAITH SHARPE, Professor

First semester 2017-18, full pay

To conduct research on the structure of ethics and compliance reporting in large publicly traded corporations; and to complete a text book on ethics and compliance.

LESLEY M. WEXLER, Professor

First semester 2017-18, full pay

To conduct research on amends and other forms of apologies for lawful wrongdoing, which is important as states interact with harmed persons such as victims of armed conflict and policing; to aid scholarly work and teaching.

## COLLEGE OF LIBERAL ARTS AND SCIENCES

### Department of Anthropology

KATHRYN B. H. CLANCY, Associate Professor

Academic year 2017-18, two-thirds pay

To contribute to public and scholarly knowledge about the menstrual cycle and its medical misconceptions through writing a book targeted at both the lay reader and scholar, creating an important new contribution to biocultural anthropology, evolutionary medicine, and feminist theory.

BRENDA M. FARNELL, Professor

First semester 2017-18, full pay

To conduct research on the recovery of Native American forms of knowledge and the creative process in indigenous contemporary theatre works and performances; and to write a narrative and develop web-based or DVD documentation about this process.

RIPAN S. MALHI, Associate Professor

Academic year 2017-18, two-thirds pay

To research the latest computational analyses in paleo genomics, the study of ancient genetic information, to apply to existing data; and to complete high-impact peer-review publications and apply these new techniques in future coursework.

MAHIR SAUL, Professor

First semester 2017-18, full pay

To conduct fieldwork-based research on African migration, producing contributions to the scholarly literature and possible policy relevant insights into international migration.

Department of Astronomy

BRIAN DAVID FIELDS, Professor

Academic year 2017-18, two-thirds pay

Conduct research in theoretical astrophysics, focusing on the interpretation and implications of recent data showing that a supernova explosion occurred near the Earth three million years ago; and to prepare publications.

School of Chemical SciencesDepartment of Chemical and Biomolecular Engineering

BRENDAN A. HARLEY, Associate Professor

Academic year 2017-18, two-thirds pay

To demonstrate new strategies for creating biomaterials for tissue engineering applications that are inspired by reproductive and structurally complex tissues in the body, for publications in peer-reviewed journals, and new collaboration interactions.

HYUN JOON KONG, Professor

First semester 2017-18, full pay

To research fundamentals of soft robotics, a subfield of robotics dealing with non-rigid robots constructed with soft and deformable materials; and to launch new research projects that integrate our unique material systems with a robotic design.

DEBORAH E. LECKBAND, Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To develop expertise in tissue engineering and vascular biology, especially characterization of how cells interact with surfaces on each other, which will impact and enhance current approaches; and to publish articles on this topic and transfer this expertise into a course.

Department of Chemistry

PAUL HERGENROTHER, Professor

First semester 2017-18, full pay

To research novel methods of designing and developing anticancer drugs and antibacterial drugs to augment expertise in cancer drug translation, and develop new expertise in computational and experimental target identification; and to publish these research findings.

SO HIRATA, Professor

First semester 2017-18, full pay

To develop mathematical theories and computational algorithms for solid-state electronic

structures with impacts on materials science and geochemistry, including pencil-and-paper mathematical derivations of new theories integrating quantum many-body theory and statistical mechanics; and to develop high-quality software implementing computational methods.

YI LU, Professor

First semester 2017-18, full pay

To research theoretical basis for rational design, the use of computational methods to understand and predict the structure, spectroscopic properties, and chemical reactivities of biosynthetic models of metalloenzymes that play key roles in sustainable energies; and to contribute to high-impact publications.

RALPH G. NUZZO, Professor

First semester 2017-18, full pay

To explore new frontiers in energy-relevant science for which advances in materials and coupled modes of manufacturing can bring translational impacts in technology, building the requisite science for a sustainable energy future.

CHAD RIENSTRA, Professor

First semester 2017-18, full pay

To research the molecular basis of Parkinson's disease, blood coagulation, and antifungal drug action by advanced spectroscopic analysis, to develop new research goals for finding cures for such ailments as Parkinson's disease, heart disease, stroke, deep vein thrombosis, and fungal infections; and to complete publications on findings.

#### Department of Communication

SALLY A. JACKSON, Professor

Second semester 2017-18, full pay

To learn innovative computational methods for research on the new media that can be applied to work on argumentation in large public controversies; and to develop new course components that introduce these innovative methods to graduate students in communication and related fields.

CURTIS SCOTT JACOBS, Professor

Second semester 2017-18, full pay

To complete a book manuscript on 'normative pragmatics' of argumentation, which will explain and demonstrate the methodological logic of the analysis and show how a pragmatic approach to communication and procedural activity is relevant to argumentation studies.

MICHELE E. J. KOVEN, Associate Professor

Academic year 2017-18, two-thirds pay

To research how language is a critical resource in transnational migration and how it functions as a critical medium through which people understand and experience transnational mobility and social status; and to initiate a new research project on language and emigration in Portugal.

School of Earth, Society, and Environment

Department of Atmospheric Sciences

ZHUO WANG, Associate Professor

Second semester 2017-18, full pay

To research the prediction and predictability of extreme weather on the sub-seasonal to inter-annual time scales and research tropical to extra-tropical transitions, which have strong socio-economic impacts; and to further develop and test related hypotheses.

Department of Geography and Geographic Information Science

DAVID WILSON, Professor

First semester 2017-18, full pay

To explore the evolution of a new kind of ghetto that has emerged in cities of the global west; and to prepare journal articles and a possible book manuscript on this topic.

Department of Economics

ANIL K. BERA, Professor

Second semester 2017-18, full pay

To conduct research on econometric model selection and testing when our starting models are misspecified; and to write a research monograph and to design a campus-wide special topic course on this subject.

FIROUZ GAHVARI, Professor

Second semester 2017-18, full pay

To research how the individual should prepare for dependence on long-term care (LTC); whether it should be provided through private insurance, publicly or a mix; and the role of government in financing LTC; and to write several papers for publication.

Department of English

ROBERT W. BARRETT, Associate Professor

Second semester 2017-18, full pay

To complete a monograph on the interrelation, sometimes metaphorical and sometimes

literal, of human and vegetable bodies in plays and pageants staged across the British Isles of the late Middle Ages.

RAMONA CURRY, Associate Professor

First semester 2017-18, full pay

To identify and to secure high-quality photographs for a historical film manuscript, *Trading in Cultural Spaces: How Chinese Film Came to America*; and to draft an essay about early film exhibition/distribution in Hawaii, and write an essay “mining” the riches of cinema historiographic materials.

LAUREN M. E. GOODLAD, Professor

First semester 2017-18, full pay

To continue research on social media to advance work on the Global Seriality Network; and to publish a special issue, an edited collection, and chapters in a monograph related to this topic.

PETER LESLIE MORTENSEN, Associate Professor

Academic year 2017-18, two-thirds pay

To revise a book manuscript, *Manufacturing Illiteracy in the United States*, that analyzes how illiteracy has been characterized over time in American literary, journalistic, and bureaucratic prose, and how such characterizations have been put to cultural and political use.

LORI HUMPHREY NEWCOMB, Associate Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To draft the first two chapters of a book using archival discoveries to document an apparently ordinary Seventeenth-Century English gentlewoman’s rich life as a reader; and to provide a better understanding of Seventeenth-Century women readers, revising the current image of such readers.

#### Department of History

TAMARA EILEEN CHAPLIN

Academic year 2017-18, one-half pay

To complete a book exploring how lesbians in France used the media to liberalize French attitudes towards homosexuality between 1960 and the legalization of gay marriage in France in 2013; and to begin research on a book on media and human rights.

DIANE P. KOENKER, Professor

First semester 2017-18, full pay

To complete research and to write a monograph on the 1960’s Soviet Union as a consumer society in comparison with and emulation of the West, extending our understanding of modern consumerism in the Soviet Union.

School of Integrative BiologyDepartment of Animal Biology

ALISON MARIE BELL, Associate Professor

First semester 2017-18, full pay

To learn transgenic techniques to be utilized in making causal links between changes in gene expression and its resulting effects on behavior; and to complete manuscripts related to behavioral genomics.

BECKY CLAIRE FULLER, Associate Professor

Second semester 2017-18, full pay

To collaborate in the area of visual detection, creating novel computer models that simulate fish vision so that scientists and anglers can understand how fish perceive the world; and, to expand university expertise through this integrative project combining math, physics, and biology

Department of Plant Biology

STEPHEN P. LONG, Professor

Second semester 2017-18, full pay

To develop a computer simulation which will predict crop growth and yield from the underlying gene and biochemical function, which will identify practical strategies for increasing crop yield and sustainability; and to publish manuscripts on this topic.

SURANGI W. PUNYASENA, Associate Professor

Second semester 2017-18, full pay

To receive training in the development and adaptation of deep machine learning methods in order to create and expand applications of these methods to plant microfossil analyses and independently develop projects that test hypotheses of plant evolution and extinction.

School of Literatures, Cultures and LinguisticsDepartment of the Classics

ANTONIOS AUGOUSTAKIS, Professor

Second semester 2017-18, full pay

To conduct research and to complete a book, *Fortunes of a Forgery: Pseudo-Seneca's Hercules Oetaeus*, offering the first edition of *Hercules Oetaeus*, an influential play composed in the 70's Common Era by an anonymous author forging his identify as Seneca.

ARIANA TRAILL, Associate Professor

First semester 2017-18, full pay

To complete research on the Latin play *Cistellaria* by Plautus, which impacts scholarly and advanced-student understanding of early Latin literature; and to finish writing a monograph-length commentary on the research findings.

Program in Comparative and World Literature

NANCY BLAKE, Professor

Second semester 2017-18, full pay

To research the intersection and overlap between the fields of psychoanalysis and neuroscience related to memory, which impacts studies of cultural production; and to complete a volume of analyses of case studies.

Department of French and Italian

MARCUS KELLER, Associate Professor

Second semester 2017-18, full pay; or first semester 2017-18, full pay

To complete research and to draft a current monograph project, *Thinking Through the Turk: Islam and the Ottoman Empire as Paradigms in Renaissance France*, which details the impact of the Turk as an imaginary figure on French modern thought and letters.

Department of Spanish and Portuguese

DARA ELLEN GOLDMAN, Associate Professor

Academic year 2017-18, two-thirds pay

To conduct research on contemporary Cuban literature, film, and culture, each in relation to “fachadismo,” the tendency to produce misleading facades that seek to preserve an ostensibly disappearing Cuba; and to complete a book-length manuscript based on this work and previous research.

JOSE IGNACIO HUALDE, Professor

Second semester 2017-18, full pay

To research how Spanish and other languages in contact with it have developed means to express causality and other complex relations, which has implications for understanding linguistic evolution; and to complete journal articles and to develop a course in historical syntax.

JOYCE L. TOLLIVER, Associate Professor

Second semester 2017-18, full pay

To research the relationships between virtual reality and narrative fiction; to analyze the role of narrative empathy; and to begin a project on Spanish realism and the virtual, focusing on the 1901 case of “Spain’s first same-sex marriage.”

Department of Mathematics

PIERRE ALBIN, Associate Professor

First semester 2017-18, full pay

To develop analytic tools on singular spaces and use them to study topological properties of these spaces; and to work on turning existing lecture notes into a text book.

JULIY BARYSHNIKOV, Professor

Academic year 2017-18, one-half pay

To research complex analytic tools for asymptotic enumeration, addressing computer performance on a large task, and geometric and topological aspects of concurrency and motion planning, addressing spaces of a trajectory (a robot avoiding obstacles); and to publish papers on these topics.

BRUCE C. BERNDT, Professor

First semester 2017-18, full pay

To collaboratively prepare a fifth and final book on the “lost” notebook of India’s greatest mathematician, Srinivasa Ramanujan, which contained thousands of theorems without proofs.

MEHMET BURAK ERDOGAN, Professor

Second semester 2017-18, full pay

To perform research and to work on a monograph on dispersive estimates for Schrodinger and Dirac operators, the main equations in quantum mechanics.

SERGEI V. IVANOV, Professor

First semester 2017-18, two-thirds pay

To investigate infinite periodic groups and one-relation monoids; and to further advance a project on the mathematical relationship between Turing machines and finite presentations of groups.

KAY L. KIRKPATRICK, Associate Professor

Academic year 2017-18, one-half pay

To research physical quantities in spin models of magnets, superconductors, and the Higgs sector; and to study typical and rare behavior of badly behaved equations, which has applications to a number of areas in physics.

RICHARD S. LAUGESSEN, Professor

First semester 2017-18, full pay

To mathematically investigate the limiting optimal shapes for high energies of quantum oscillators, which will provide new tools and insights related to interactions between physical quantities, such as energy levels and frequencies, and geometric quantities such as volume and perimeter.

EUGENE M. LERMAN, Professor

Academic year 2017-18, two-thirds pay

To continue developing applications of category theory to geometry and dynamics, which will provide a new systematic approach to the study of hybrid systems and may lead to better and faster discrete time central pattern generators.

THOMAS A. NEVINS, Professor

First semester 2017-18, full pay

To research micro local sheaves, which are geometric avatars of new differential equations, and to apply results to the topology of spaces and spatial structures; and to complete journal articles on this topic for peer-reviewed publication.

ZOI RAPTI, Associate Professor

First semester 2017-18, full pay

To study mathematical models of species interactions, including how species react to predators and competing species and how they are affected by pathogens, which will increase understanding of disease and animal behavior; and to advance this interdisciplinary research and result in publications.

LOU VAN DEN DRIES, Professor

Academic year 2017-18, one-half pay

To explore asymptotic differential algebra and trans series, a new kind of series that have become important in dynamical systems, computational algebra, model theory, and mathematical physics; and to collaboratively write a follow-up volume to a book on this topic.

### School of Molecular and Cellular Biology

#### Department of Cell and Developmental Biology

PRASANTH KUMAR KANNANGANATTU, Associate Professor

First semester 2017-18, full pay

To investigate the role of long noncoding RNAs in cell cycle progression and breast cancer; and to complete writing several manuscripts and future proposals.

SUPRIYA GANGADHARAN PRASANTH

First semester 2017-18, full pay

To conduct research on the role of replication proteins in cell cycle progression and chromatin organization; and to complete multiple manuscripts to peer-reviewed journals.

Department of Microbiology

WILLIAM W. METCALF, Professor

First semester 2017-18, full pay

To learn programming and data processing skills needed to become proficient in bioinformatics analysis of large genomic, transcriptomic, and proteomic datasets, which will enhance both teaching and research.

RACHEL WHITAKER, Associate Professor

Academic year 2017-18, two-thirds pay

To extend population biology expertise to human infectious disease, evaluating literature in this new field and expanding national and international partnerships; and to complete three publications in this area.

Department of Psychology

NICOLE E. ALLEN, Professor

First semester 2017-18, full pay

To write a book that synthesizes the vast and disparate literature on multi-stakeholder participation in organizational and systems change, guiding interventionists and scholars to reach a collaborative and integrated model.

MONICA FABIANI, Professor

First semester 2017-18, full pay

To collaborate and to conduct research on the application of optical brain imaging to cognitive neuroscience, development, and aging; and to impact its translational value in order to facilitate future research and publications, promote understanding of brain function, and advance optical imaging equipment.

KARA D. FEDERMEIER, Professor

Second semester 2017-18 and first semester 2018-19, two-thirds pay

To develop cross-linguistic work on the effects of aging on language processing; and to learn time-frequency analyses of EEG data, both of which will enhance a core research program and publication record.

GABRIELE GRATTON, Professor

First semester 2017-18, full pay

To collaborate and conduct research on the application of optical brain imaging to cognitive neuroscience, development, and aging; and to impact its translational value in order to facilitate future research and publications, promote understanding of brain function, and advance optical imaging equipment.

CARLA DESI-ANN HUNTER, Associate Professor

First semester 2017-18, full pay

To expand the focus of research on racial identity relational to mental health disparities; and to learn new techniques of data analysis and use those techniques to analyze data from a unique dataset.

Department of Statistics

YUGUO CHEN, Professor

Second semester 2017-18, full pay

To develop multi-layer neuroscience network models for repeated measures networks to quantify uncertainty and facilitate comparison across groups of subjects; and to develop new research on network models for statistical inference on neuroscience data, which will improve current methods and be incorporated into instruction.

COLLEGE OF MEDIA

Charles H. Sandage Department of Advertising

JASON PAUL CHAMBERS, Associate Professor

First semester 2017-18, full pay

To conduct research on the role of African American athletes as commercial product endorsers, which impacts our understanding of the role of race and celebrity in product endorsements; and to publish a book-length examination of this subject.

Department of Media and Cinema Studies

ANITA CHAN, Associate Professor

Second semester 2017-18 and first semester 2018-19, one-half pay

To conduct research for a new project on *Global Civil Technoscience, Digital Pedagogies and Intersectional Research Practice Beyond Innovation Centers*, which focuses on hack lab networks and how their contributions extend into academic fields; and to develop new instructional material.

JAY MARK ROSENSTEIN, Professor

First semester 2017-18, full pay

To begin work on a new documentary film project, intended for national broadcast and distribution, on the impact of revenue-producing athletics on public universities, stimulating a national discussion about the costs and value of athletics at public universities.

JULIE TURNOCK, Associate Professor

First semester 2017-18, full pay

To conduct research and to write a monograph for publication on how digital special effects in Hollywood blockbusters have challenged boundaries, which will impact cinema studies, media studies, and digital humanities.

#### SCHOOL OF SOCIAL WORK

JANET M. LIECHTY, Associate Professor

Second semester 2017-18, full pay

To synthesize existing research on the relevance of body image to understanding risk and resilience for disease, promotion of health behaviors, and development of interventions; and to enhance instruction and future research in this area.

#### UNIVERSITY LIBRARY

JAMES F. HAHN, Associate Professor

October 16, 2017 through July 15, 2018, full pay

To continue research and development of an account based personalized recommendation service for the Library's "My Account" feature; and to complete a white paper on the technical development.

LISA W. HINCHLIFFE, Professor

September 16, 2017 through June 15, 2018, full pay

To synthesize current practices in information literacy and instructional methods in libraries; and to write a monograph on the topic suitable for graduate course work and professional practice.

MICHAEL A. NORMAN, Associate Professor

December 16, 2017 through September 15, 2018, full pay

To investigate and to publish results from creating a historical Knowledge Graph of the University of Illinois at Urbana-Champaign Library that will represent individuals associated with the organization over its history, with the additional goal of showing how this could be replicated throughout the university.

WENDY ALLEN SHELBURNE, Associate Professor

August 16, 2017 through May 15, 2018, full pay

To analyze various cost models of electronic resources, including journals and books, outlining trends and providing a picture of the return on investment; and to utilize internally these cost models and share them with partners and other academic libraries.

CHICAGO

## COLLEGE OF ARCHITECTURE, DESIGN, AND THE ARTS

School of Architecture

PENELOPE DEAN, Associate Professor

Academic year 2017-18, two-thirds pay

To research and to write a series of essays about international examples of realized, domestic architecture, which have significantly redefined how people inhabit their domestic environments; and to complete a book manuscript on the subject.

PAUL PREISSNER, Associate Professor

Academic year 2017-18, two-thirds pay

To research a selection of odd, curiously small, strangely organized or weirdly operated American cities in order to construct a treatise on alternative forms of cities and their resultant social space; and to create new methods of urban analysis and design.

## COLLEGE OF BUSINESS ADMINISTRATION

Department of Finance

ROBERT S. CHIRINKO, Professor

Second semester 2017-18, one-half pay

To continue research with various co-authors on financial topics, expanding an existing knowledge base for the purposes of teaching and contributing to the UIC research mission; to develop scholarly papers for submission to conferences for presentation and academic journals for publication.

## COLLEGE OF DENTISTRY

Department of Restorative Dentistry

ANAKARINA B. BEDRAN-RUSSO, Associate Professor

October 16, 2017 through April 15, 2018, full pay

To acquire new scientific knowledge and methodology skills in biomaterials research that directly impacts applied research at UIC on the aging of teeth and their susceptibility to fracture and dental disease.

## COLLEGE OF EDUCATION

Department of Curriculum and Instruction

JAMES R. GAVELEK, Associate Professor

Academic year 2017-18, two-thirds pay

To examine the implications for educational theory, research and the practice of newly emerging embodied cognitive science; to argue for a paradigm change in education, building upon what is known about embodied cognition; and to complete several journal articles.

ARIA RAZFAR, Professor

Second semester 2017-18, full pay

To complete a book manuscript on *English Learning Through Mathematics, Science and Action Research*; and to enhance expertise in the emerging and critical field of embodied cognition, a field that draws on the latest neuroscientific approaches.

Department of Educational Psychology

STACEY S. HORN, Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To complete a book, a peer reviewed monograph and two articles from data collected as part of a 5-year Ford Foundation funded study regarding misogynistic and homophobic harassment in adolescents and young adults; and to explore new research funding opportunities.

## COLLEGE OF ENGINEERING

Department of Civil and Materials Engineering

DIDEM OZEVIN, Associate Professor

Second semester 2017-18, full pay

To complete a comprehensive review article, in collaboration with Professor Jonathan Awerbuch, Drexel University, on damage detection in composites using acoustic emission, which has a significant impact in civil and aerospace fields; and to plan a new structural design course.

## COLLEGE OF LIBERAL ARTS AND SCIENCES

African American Studies

JOHARI JABIR, Associate Professor

Second semester 2017-18, full pay

To research Black Music and Masculinity in the United States Military, examining James Reese Europe and the “Harlem Hellfighters” in WWI and Leonard de Paur and the de Paur Glee Club, during WWII; and to write a second book on the subject.

Department of Biological Sciences

EMILY MINOR, Associate Professor

First semester 2017-18, full pay

To learn agent-based modeling techniques, a computational modeling approach for studying complex systems with many interactive agents; and to create a model that examines feedbacks between people, their yards, and wildlife; and to publish a paper on the subject.

Department of Chemistry

JUNG-HYUN MIN, Associate Professor

First semester 2017-18, full pay

To study cutting edge cryo-electron microscopy for high-resolution structural determination of complex biomolecules, in collaboration with Professor Yuan He, Northwestern University; and to secure external research grants.

PRESTON T. SNEE, Associate Professor

First semester 2017-18, full pay

To research the creation of a new type of laser that impacts the semiconductor and nanotechnology communities, which should produce publications and a patent.

Department of Classics and Mediterranean Studies

OURANIA NANNO MARINATOS, Professor

Academic year 2017-18, two-thirds pay

To continue research on the unified intellectual and emotional portrait of the ancient historian Thucydides (460-403 BCE), for which little is written on the unity of his intellect, emotions and personal values; and to write a book on the research.

Department of Communication

ZOZO-ANGELIKI PAPACHARISSI, Professor

Second semester 2017-18, full pay

To research social media platforms that support augmented and virtual reality environments, to understand how they affect social relations and networks; to result in influential scholarly collaborations and to complete four publications under contract with Routledge Publications.

Department of Earth and Environmental Sciences

ANDREW DOMBARD, Associate Professor

First semester 2017-18, full pay

To complete research on processes affecting the lithospheres of various planetary bodies, thereby using the Solar System as a natural laboratory to test geophysical models; and to write articles on the research.

D'ARCY MEYER-DOMBARD, Associate Professor

Second semester 2017-18, full pay

To study new DNA sequencing techniques, complete manuscripts, submit an REU (Research Experience for Undergraduates) grant proposal to National Science Foundation, and to pursue strategies to improve student enrollment in departmental courses.

Department of English

JENNIFER ASHTON, Associate Professor

First semester 2017-18, full pay

To complete a monograph on the relationship between aesthetic form and political ambition in American poetry published from 2000 to 2015, which will enhance General Education course content and graduate seminars in the Department.

MADHU DUBEY, Professor

Second semester 2017-18, full pay

To extend expertise in American literary studies, by researching and writing a book-length study of the ways American literature has responded to significant shifts in scientific and political understandings of race since the 1970s.

ROBIN SANDRA GREY, Associate Professor

First semester 2017-18, full pay

To explore a new and previously unexamined category within American literature, Antebellum Alternative Histories of the American Civil War, in which nineteenth-century authors imaginatively anticipated the Civil War as early as thirty years before it

occurred; and to complete a monograph on the subject.

CHRISTOPHER GRIMES, Associate Professor

First semester 2017-18, full pay

To complete “Plan for the Present Work”, a fictional narrative primarily concerned with economies of consumption in global, national, regional, municipal and textual sites.

JOSEPH P. TABBI, Professor

First semester 2017-18, full pay

To complete a book titled, “Relocating the Literary: In Networks, Knowledge Bases, Global Systems, Material and Mental Environments;” making a national contribution in helping scholars and university administrators better understand sense the applicability of Digital Humanities.

Department of History

KEELY STAUTER-HALSTED, Professor

Second semester 2017-18, full pay

To research and to examine shifting definitions of belonging, citizenship and national membership in Poland after the recreation of the Polish state in 1918, with special emphasis on the role of refugees and repatriates; and to complete articles on postwar population movements.

CHRISTOPHER R. BOYER, Professor

Second semester 2017-18, full pay

To research the modernization of agriculture in Mexico, known as the Green Revolution, referring to the use of irrigation, pesticides, artificial fertilizers, and improved seed varieties, and its impact on changing patterns of food consumption; and to begin a book on this subject, *McMexico*.

Department of Latin American and Latino Studies Program

CRISTIAN ROA, Associate Professor

Second semester 2017-18, full pay

To conduct research on the research methodology used by Spanish Franciscan friar Bernadino de Sahagun in the completion of the Florentine Codex, a 16<sup>th</sup> century ethnographic research study in Mesoamerica; and to complete a manuscript on the subject.

Department of Mathematics, Statistics, and Computer Science

DAVID ELLIS MARKER, Professor

Second semester 2017-18, full pay

To undertake research projects on the model theory of valued fields and to investigate connections to algebraic geometry; to result in several published papers.

CHENG OUYANG, Associate Professor

Second semester 2017-18, full pay

To continue research on how a dynamical system evolves under certain random perturbations; to result in contributions to top journals, workshops and conferences that will help build the academic reputation of the Statistics/Probability group in the Department.

Department of Philosophy

DAVID R. HILBERT, Professor

Second semester 2017-18, full pay

To examine the relation of 18<sup>th</sup> century Irish philosopher George Berkeley's connections between his social and economic thought and metaphysics, which will lead to a book; and to investigate how stable perception is maintained in changing environments, which will result in a series of papers.

MARYA S. SCHECHTMAN, Professor

Second semester 2017-18, full pay

To investigate the role of episodic memory and self-narrative in defining personal identity, and explore the ethical significance and implications of the conceptions of self and identity that emerge from this investigation; and to draft a monograph on the research.

Department of Physics

SIVALINGAM SIVANANTHAN, Professor

Second semester 2017-18, and first semester 2018-19, two-thirds pay

To expand InSPIRE, the Institute for Photovoltaic Innovation, Research, and Education, a non-profit organization, by increasing community outreach programs, increasing UIC student chapter activities, adding student chapters at other Illinois universities and working to create a solar vocational training center.

Department of Psychology

SUSAN R. GOLDMAN, Professor

First semester 2017-18, full pay

To research teaching practices of science, history, and literature teachers as they engage students in reading challenging texts to accomplish problem solving and reasoning tasks in each of these subject matter areas; to result in better instructional strategies.

Department of Slavic and Baltic Languages and Literatures

MICHAL PAWEL MARKOWSKI, Professor

Second semester 2017-18, full pay

To complete the book, “Transfigurations: A New History of Modernity,” an analysis of Eastern and Western cultures and disciplines in the 19<sup>th</sup> and 20<sup>th</sup> centuries, which will establish new ground for interdisciplinary European cultural studies.

Department of Sociology

LAURIE SCHAFFNER, Associate Professor

Second semester 2017-18, and first semester 2018-19, two-thirds pay

To complete systematic data analyses of 252 interviews through software platform MAXQDA, and complete a book-length research monograph for NYU Press detailing structural and individual mechanisms by which Chicago minors struggle with survival strategies for managing poverty and homelessness.

## COLLEGE OF NURSING

Department of Health Systems Science

SHANNON N. ZENK, Professor

Academic year 2017-18, two-thirds pay

To explore new research approaches and develop new collaborations for understanding socio-environmental determinants of health, and to continue research on obesity and related behaviors/outcomes, which will help meet research productivity and teaching excellence goals in the Department and University.

## JANE ADDAMS COLLEGE OF SOCIAL WORK

JAMES A. SWARTZ, Associate Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To critically evaluate and research peer reviewed scientific literature and other published

works on the disease model of drug addiction; to begin writing a book that summarizes and critiques current information that affects how research money is allocated.

AMY C. WATSON, Professor

First semester 2017-18, full pay

To prepare a detailed book proposal on police response to mental health crisis and the collected research on the Chicago Police Department's Crisis Intervention Team program, which will benefit the State and nation by leading to more informed discussions and better policies and programs.

## COLLEGE OF URBAN PLANNING AND PUBLIC AFFAIRS

### Urban Planning and Policy

JOHN-JAIRO BETANCUR, Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To continue research on the urban development model used in Medellin, Colombia, hailed as the 'come-back city,' and to determine its sustainability and transferability, as well as its effect on income distribution in the city; and to allow for future publishing of scholarly articles.

BRENDA PARKER, Associate Professor

Academic year 2017-18, two-thirds pay

To use feminist approaches to research restorative spaces and restorative justice practices in U.S. and European cities, addressing lacunae in literature and practice; in order to strengthening Departmental expertise and to lead to publication of a book and policy documents.

CURTIS RICHARD WINKLE, Associate Professor

First semester 2017-18, full pay

To conduct research on the role of business improvement districts and similar place-based nonprofit associations in shaping the built environment to promote health communities; understanding these roles may help policy-makers facilitate changes to the physical environment that improve health.

SPRINGFIELD

## COLLEGE OF BUSINESS AND MANAGEMENT

Department of Business Administration

JORGE VILLEGAS, Associate Professor

Second semester 2017-18, full pay or first semester 2018-19, full pay

To study how health literacy and risk literacy impact patients' engagement after exposure to decision-making aids, which is relevant for basic and applied research in the health care sector; and to develop the research for a conference presentation and subsequent journal article.

## COLLEGE OF LIBERAL ARTS AND SCIENCES

Department of Communication

MICHAEL CHENEY, Professor

Second semester 2017-18, full pay

To research the history of the U.S. Presidential campaign television advertising, beginning in 1996 when new forms of political influence such as web advertising, super PACs, and social media messaging reshaped the political communication environment; and to write a book-length manuscript and companion e-book.

Department of History

KRISTI N. BARNWELL, Associate Professor

First semester 2017-18, full pay

To integrate research into a monograph blending traditional scholarship approaches on the British Empire and decolonization with the questions of modernity, nationalism and national identity that dominate much of Middle Eastern Studies; and to complete chapters of a book-length manuscript entitled "Decolonization and State Formation in the Trucial States."

MICHAEL BURLINGAME, Professor

Second semester 2017-18, full pay

To conduct research on topics that will provide insight on new aspects of the life and times of Abraham Lincoln; and to complete books under contract or under agreement to produce with a collaborator: "Lincoln's Emotional Life," "Lincoln's New Salem Years," "Lincoln's Marriage," and "Lincoln's Indiana Years."

Department of Women & Gender Studies

HEATHER SALISBURY DELL Associate Professor

First semester 2017-18, full pay; or second semester 2017-18, full pay

To complete research on Dutch colonial globalization by continuing a literature review and, in the field, investigating spice, coffee and textiles in Indonesia, in order to expand a role play for use in instruction that includes Amsterdam, Suriname, West Africa and Indonesia.

COLLEGE OF PUBLIC AFFAIRS AND ADMINISTRATION

Department of Political Science

SIBEL OKTAY KARAGUL, Assistant Professor

Second semester 2017-18, one-half pay

To research the effects of government composition on foreign policy behavior, which impacts the study of party politics and the analysis of foreign policy; and to complete a book manuscript, tentatively entitled "Unpacking Coalitions."

Department of Public Administration

JUNFENG WANG, Associate Professor

First semester 2017-18, full pay

To conduct research on the comparison of political party laws of China with other countries (U.S., U.K., Germany, Russia, Italy, South Korea and India) and whether these laws would help reduce government corruption; and to prepare a co-authored book on the research.