

These brief profiles of new faculty members at Purdue's West Lafayette campus for fall 2015 are meant to serve as an introduction and welcome. The Office of the Provost invited incoming faculty members to provide this information. The 115 faculty responses are arranged by college/school.

■ AGRICULTURE

Marisa Erasmus

Assistant professor
Animal Sciences
merasmus@purdue.edu
Degree: PhD
Coming here from: Michigan State U.
Teaching interests: I am interested in using a variety of teaching techniques to actively engage students in learning about animal well-being.
Research interests: Understanding how animal well-being is influenced by management factors and the animal's environment.
Why choose Purdue? Excellence in extension, research and teaching and study abroad programs.

Brady Hardiman

Environmental & Ecological Engineering,
Forestry and Natural Resources (Jan. 2016)
See listing under Engineering.

Jian Jin

Assistant professor
Agricultural and Biological Engineering
jinjian@purdue.edu
Degree: PhD
Coming here from: DuPont Pioneer, Johnston, Iowa
Teaching interests: Sensors, imaging, automation and robotics.
Research interests: Imaging and sensors for plant phenotyping.
Why choose Purdue? The nationally ranked #1 AE program is here.

Baghyashree Katare

Assistant professor
Agricultural Economics
bkatare@purdue.edu
Degree: PhD
Coming here from: University of Minnesota

Teaching interests: Include graduate and undergraduate courses in consumer behavior, marketing and quantitative methods.

Research interests: Economics of food, nutrition and health. I am broadly interested in understanding how environmental factors and peers influence the health choices and decisions of individuals. My current research centers on the economic determinants of weight gain and the spread of obesity.
Why choose Purdue? As a premier land-grant university, along with a diverse and intellectual environment, Purdue provides opportunities for research, growth and learning for a new faculty in all aspects of academic life. My interactions with every person at Purdue have been a very positive and welcoming experience.

Kevin Solomon

Assistant professor
Agricultural and Biological Engineering
kvs@purdue.edu
Degree: PhD
Coming here from: U. of California, Santa Barbara
Teaching interests: Synthetic biology, metabolic engineering, high-throughput OMICS approaches, bioprocess engineering, systems biology.
Research interests: Sustainable production of fuels, medicines, and materials from engineered microbes.
Why choose Purdue? Strong engineering program with friendly colleagues, excellence in teaching, and collaborative/interdisciplinary research.

Hui-Hui Wang

Assistant professor
Youth Development and Agricultural Education, and Curriculum and Instruction
wang2902@purdue.edu

Teaching interests: Career counseling, vocational psychology, theories of psychotherapy, positive psychology.
Research interests: I mainly study what makes work meaningful, focusing on helping behaviors and sociocultural factors that constrain access to fulfilling employment. I am also interested in how social class, work volition, and underemployment influence well-being both in and outside of work.
Why choose Purdue? Purdue is very supportive of research, my new program is great, and it sounds like West Lafayette is a great place to live!

Hannah Bowers

Assistant professor
Educational Studies
bowersp@purdue.edu
Degree: PhD
Coming here from: Albuquerque, N.M.
Research interests: School counseling; school family community collaboration.
Why choose Purdue? Innovation and support in research, student-centered teaching, promoting collaboration.

Eric Green

Associate professor
Educational Studies
ericgreen@purdue.edu
Degree: PhD, counseling
Coming here from: U. of North Texas and Johns Hopkins U.
Teaching interests: I teach graduate courses in internship, the psychology of adolescents, basic counseling, introduction to play therapy, psychological theories, and school counseling.
Research interests: I conduct research on trauma treatment protocols with children and the effectiveness of play therapy with youth to increase academic and socio-emotional functioning.
Why choose Purdue? I chose Purdue to take on an administrative position and have an opportunity to continue my line of research by exploring the benefits of the use of play with children in STEM programs.

■ EDUCATION

Blake Allan

Visiting assistant professor
Educational Studies
ballan@purdue.edu
Degree: PhD
Coming here from: U. of Florida

Melanie Kuhn

Jean Adamson Stanley Professor in Literacy Curriculum & Instruction
 melaniek@purdue.edu
 Degree: PhD in reading education
 Coming here from: Boston University
 Teaching interests: Undergraduate and graduate reading/literacy courses with a focus on courses designed to assist struggling readers, reading instruction for elementary students, and developing content area reading.
 Research interests: Closing the achievement gap between skilled and less skilled readers through instructional interventions such as developing fluency and providing access to challenging texts.
 Why choose Purdue? I was interested in the possibilities that were available through Jean Adamson Stanley Chair.

Muhsin Menekse

Engineering Education and Curriculum & Instruction
 See listing under Engineering.

Trish Morita-Mullaney

Assistant professor
 Curriculum & Instruction
 tmoritam@purdue.edu
 Degree: PhD
 Coming here from: Indianapolis-MSD of Lawrence Township
 Teaching interests: Language learning, culture, social justice, race and ethnicity, language policies.
 Research interests: Language learning, culture, social justice, race and ethnicity, language policies, qualitative and mixed methods research.
 Why choose Purdue? Proximity to my home in Indianapolis. It's an R1 and land-grant university with an outstanding reputation.

Richard Olenchak

Professor and head
 Educational Studies
 olenchak@purdue.edu
 Degree: PhD
 Coming here from: U. of Houston
 Teaching interests: Giftedness and talent development; creativity; measurement and evaluation; research design; research methodology; human development; special education.

Research interests: Psychosocial development of gifted and talented youth and adults; creative development; talent development; gifted youth and adults with concomitant disabilities.

Why choose Purdue? Outstanding reputation of the College of Education and of the Gifted Education Resource Institute.

N. Sanjay Rebello

Physics and Astronomy / Curriculum & Instruction
 See listing under Science.

Mandy Rispoli

Associate professor
 Educational Studies
 mrispoli@purdue.edu
 Degree: PhD
 Coming here from: Texas A&M University
 Teaching interests: Service-learning, online instruction.
 Research interests: Autism, applied behavior analysis.
 Why choose Purdue? Reputation of the university and support for dual career partners.

Hui-Hui Wang

Youth Development and Agricultural Education, and Curriculum & Instruction
 See listing under Agriculture.

Carol Werhan

Clinical assistant professor
 Curriculum & Instruction
 cwerhan@purdue.edu
 Degree: PhD
 Coming here from: Pittsburg State U. (Kansas)
 Teaching interests: Teacher preparation; multicultural perspectives; family and consumer sciences history/philosophy.
 Research interests: Family and consumer sciences teacher education; international student teaching.
 Why choose Purdue? I have worked with the Indiana Family and Consumer Sciences teacher education leaders for many years. Their wonderful reputation is recognized nationwide. When the opportunity to work with these people became available, I was eager to move back to Indiana.

ENGINEERING

Andres Arrieta Diaz

Assistant professor
 Mechanical Engineering
 aarrieta@purdue.edu
 Degree: PhD
 Coming here from: ETH Zurich
 Teaching interests: Vibrations, smart structures, lightweight structures, nonlinear dynamics.
 Research interests: Smart material systems and adaptive structures. Extreme mechanics. Shape programmable materials and structures. Application of structural nonlinearity for design.
 Why choose Purdue? Strong team in the area of dynamics and vibrations. Top university in aerospace and mechanical engineering. Highly capable students.

Sunil Bhawe

Associate professor
 Electrical and Computer Engineering
 bhawe@purdue.edu
 Degree: PhD
 Coming here from: Cornell University
 Teaching interests: MEMS, E&M, digital circuits, analog circuits.
 Research interests: MEMS.
 Why choose Purdue? Best Engineering School in the Big Ten!

Brandon Boor

Assistant professor
 Civil Engineering
 bboor@purdue.edu
 Degree: PhD in civil engineering, U. of Texas at Austin
 Coming here from: Austin, Texas, and Helsinki, Finland
 Teaching interests: Indoor air quality, aerosol physics, exposure science, design of healthy buildings, fluid mechanics, air pollution control.
 Research interests: Indoor and urban air pollution; human exposure assessment; dynamics of air pollutants in buildings; bioaerosols; low-cost air quality monitoring; health effects of air pollution; aerosol science, technology and instrumentation; VOC/SVOC emissions from building materials; air quality in occupational environments.

Why choose Purdue? 1) Reputation of the Civil Engineering school and the Architectural Engineering program; 2) The positive collaborative spirit among the Architectural Engineering faculty and the many opportunities for interdisciplinary collaboration; 3) Great facilities for experimental research at the Center for High Performance Buildings.

Hua Cai

Assistant professor
Environmental and Ecological Engineering / Industrial Engineering
huacai@purdue.edu

Degree: PhD

Coming here from: U. of Michigan

Teaching interests: Sustainable systems and smart cities.

Research interests: Understanding the environmental implications of the emerging technologies and improving urban sustainability.

Why choose Purdue? It has a great college of engineering. The joint appointment offers me a great opportunity to do interdisciplinary research.

Ivan Christov

Assistant professor (Jan. 2016)
Mechanical Engineering
christov@purdue.edu

Degree: PhD

Coming here from: Los Alamos National Laboratory

Teaching interests: Fluid mechanics, mathematical methods in engineering, computational methods in engineering.

Research interests: Fluid mechanics, nonlinear dynamics, wave phenomena, applied mathematics.

Why choose Purdue? Unrivaled engineering programs.

James Gibert

Assistant professor
Mechanical Engineering
jgibert@purdue.edu

Degree: Doctorate

Coming here from: Clarkson University

Teaching interests: My primary teaching interests at both the undergraduate and graduate level are in the fields of dynamics, vibrations, controls, and mechanics. At the graduate level this includes developing courses in

1) experimental modal analysis, 2) nonlinear dynamics and 3) a design and optimization course focusing on dynamics systems.

Research interests: My research interests include the dynamic modeling of nonlinear systems, energy harvesting, and modeling of manufacturing systems.

Why choose Purdue? Purdue has a reputation of academic excellence. The wealth of topics researched and the potential to collaborate across the university provides the ideal environment for me to make significant contributions to the field of mechanical engineering.

Christopher Goldenstein

Assistant professor
Mechanical Engineering
csgoldenstein@purdue.edu

Degree: PhD

Coming here from: Stanford University

Teaching interests: Gas dynamics, combustion, thermodynamics, spectroscopy.

Research interests: Gas sensing, laser diagnostics, spectroscopy, propulsion, combustion, energy systems.

Why choose Purdue? Great school, great department.

Joaquin Goni

Assistant professor
Industrial Engineering / Biomedical Engineering

jgonicor@purdue.edu

Degree: PhD

Coming here from: Indiana University

Teaching interests: Complex networks, machine learning, data mining, computational neuroscience, information theory, computation in Matlab.

Research interests: Complex systems, complex networks, information theory, brain connectomics, neuroinformatics.

Why choose Purdue? Great team, great environment, great place to do research and teach.

Brady Hardiman

Assistant professor (Jan. 2016)
Environmental and Ecological Engineering / Forestry and Natural Resources
hardimanb@purdue.edu

Degree: PhD

Coming here from: Boston University

Teaching interests: I will teach classes in Urban Ecology and Fundamentals of Geographic Information Systems.

Research interests: Interactions of ecosystem structure and function, anthropogenic modification of ecosystems, resource management strategies.

Why choose Purdue? Purdue offers an ideal balance of teaching and research and the resources to facilitate excellence in both areas. Further, Purdue is a leader in integrating teaching and research, which I find a exciting environment in which to work.

Harsha Honnappa

Assistant professor
Industrial Engineering
honnappa@purdue.edu

Degree: PhD

Coming here from: U. of Southern California

Neera Jain

Assistant professor
Mechanical Engineering
neerajain@purdue.edu

Degree: PhD, mechanical engineering

Coming here from: Mitsubishi Electric Research Laboratories and U. of Illinois at Urbana-Champaign

Teaching interests: I teach courses in both dynamics and control systems as well as thermodynamics. I am also interested in developing a course for undergraduates that highlights the role of engineering and technology in society.

Research interests: My research focuses on advancing our understanding and utilization of multi-domain energy systems through dynamic modeling, optimization, and control design.

Why choose Purdue? I was impressed by the caliber of the faculty, students, and facilities. I also loved the environment and culture at Purdue, which I found to be stimulating and collegial.

Jian Jin

Agricultural and Biological Engineering
See listing under Agriculture.

David Johnson

Assistant professor
Industrial Engineering / Political Science
davidjohnson@purdue.edu

Degree: Policy analysis, Pardee RAND
Graduate School

Coming here from: RAND Corporation
Teaching interests: Decision making under uncertainty, multi-objective trade-off analysis, risk assessment, modern prediction methods, systems analysis, sustainability, climate change adaptation at local and regional scales.

Research interests: Climate change adaptation policy; flood risk management, renewable energy systems, water scarcity management. Critical infrastructure networks. Adaptive sampling and heuristic optimization. Robust decision making.

Why choose Purdue? Uniquely appreciative of multidisciplinary fusion of research methods and applied policy work. Broad coalition of researchers working on interesting climate policy and environmental issues.

Chi Hwan Lee

Assistant professor
Biomedical Engineering / Mechanical Engineering
lee2270@purdue.edu
Degree: PhD

Jacqueline Linnes

Assistant professor
Biomedical Engineering
jlinnes@purdue.edu
Degree: PhD

Coming here from: Boston University
Teaching interests: I look forward to teaching biomedical design courses focusing on needs-finding and user-centered design, using case studies and in-class prototyping workshops, and exploring flipped-classroom learning models.

Research interests: My research develops point-of-care diagnostics to prevent, detect, and better understand the pathogenesis of infectious diseases. Applications of this work range from global health to biodefense to personalized medicine.

Why choose Purdue? Purdue has a history of excellence pioneering and commercializing diagnostic technologies, and professors here share my passion for experiential learning and global student engagement.

Na (Luna) Lu

Associate professor
Civil Engineering
luna@purdue.edu
Coming here from: U. of North Carolina at Charlotte

Muhsin Menekse

Assistant professor
Engineering Education / Curriculum & Instruction
menekse@purdue.edu

Gennady Miloshevsky

Associate professor
Nuclear Engineering
gennady@purdue.edu
Degree: PhD
Coming here from: Purdue University
Teaching interests: Ion-matter interactions; plasma and fusion physics.

Research interests: Computational physics; atomic and plasma physics; radiative gas dynamics; interaction of plasma and beams with matter; neutron transport; multiphase flows; molecular dynamics; Monte Carlo methods; Hartree-Fock and DFT methods.

Shaoshuai Mou

Assistant professor
Aeronautics and Astronautics
mous@purdue.edu
Degree: PhD
Coming here from: Boston
Research interests: Distributed control of multi-agent networks; large-scale air traffic control.

Why choose Purdue? A very strong but low-key engineering school with very nice faculty members.

Roshi Nateghi

Assistant professor
Industrial Engineering / Environmental and Ecological Engineering
rnateghi@purdue.edu
Degree: PhD

Coming here from: Johns Hopkins U.
Teaching interests: Data analytics, risk and decision analytics.
Research interests: Infrastructure resilience, climate change.
Why choose Purdue? Strong engineering school.

Robert Patty

Associate professor
Construction Engineering and Management
patty@purdue.edu
Degree: PhD

Coming here from: Private industry
Teaching interests: Leading Operational Excellence in heavy industrial project engineering, procurement and construction.

Research interests: Leading Operational Excellence in heavy industrial project engineering, procurement and construction.

Why choose Purdue? Graduated from department, know leadership here. They are interested in building what I know into the program.

Jonathan Poggie

Associate professor
Aeronautics and Astronautics
jpoggie@purdue.edu
Degree: PhD, Princeton, 1995
Coming here from: Air Force Research Laboratory, Wright-Patterson Air Force Base

Teaching interests: Fluid dynamics, aerodynamics, thermo-physics, plasma physics.

Research interests: Large-eddy simulation and direct numerical simulation, transition, turbulence, compressible flow, hypersonics, plasma aerodynamics, flow control.

Why choose Purdue? I was impressed by Purdue's excellent reputation in all areas of engineering, and I enjoy the West Lafayette area.

Christopher Quinn

Assistant professor
Industrial Engineering
cjquinn@purdue.edu
Degree: PhD
Coming here from: U. of Illinois at Urbana-Champaign
Teaching interests: Algorithms, probability, discrete optimization.
Research interests: Network dynamics, probabilistic graphical models, and causal inference with applications in neuroscience and social networks.
Why choose Purdue? I came here because Purdue is a large, highly competitive research university with great students and faculty.

Amy Reibman

Professor
Electrical and Computer Engineering
reibman@purdue.edu
Degree: PhD
Coming here from: Industry
Teaching interests: Signal processing and probability.
Research interests: Video analytics.

Joseph Rispoli

Assistant professor
Biomedical Engineering
jrispoli@purdue.edu
Degree: PhD
Coming here from: Texas A&M University
Teaching interests: Utilizing a variety of teaching and assessment techniques in the engineering classroom.
Research interests: Researches radio frequency coil design for high-field MRI studies, in vivo spectroscopy of multiple NMR-active nuclei, and electromagnetic modeling for patient safety.
Why choose Purdue? Top-tier engineering school with respected faculty, forward-looking mission, and an excellent student body.

Gesualdo Scutari

Associate professor
Industrial Engineering
gscutari@purdue.edu
Degree: PhD
Coming here from: SUNY Buffalo
Teaching interests: Optimization, big data, machine learning, game theory.
Research interests: Optimization, big data analytics, game theory.

Fabio Semperlotti

Assistant professor
Mechanical Engineering
fsemperl@purdue.edu
Degree: PhD
Coming here from: Notre Dame

Alex Shashurin

Assistant professor
Aeronautics and Astronautics
ashashur@purdue.edu
Degree: PhD

Carson Slabaugh

Assistant professor
Aeronautics and Astronautics
cslabau@purdue.edu
Degree: PhD, mechanical engineering
Coming here from: Purdue
Teaching interests: Fundamental and applied aspects of aerospace propulsion.
Research interests: Fluid mechanics, turbulence, and combustion in propulsion applications.
Why choose Purdue? Purdue, and Zucrow Laboratories in particular, represent world-class capabilities and pre-eminence in propulsion research and education. I am honored to become a part of this distinguished and collegial team.

Kevin Solomon

Agricultural and Biological Engineering
See listing under Agriculture.

Shreyas Sundaram

Assistant professor
Electrical and Computer Engineering
sundara2@purdue.edu
Degree: PhD
Coming here from: U. of Waterloo
Teaching interests: Control theory, signals and systems, mathematics, network science, algorithms, stochastic control, fault-tolerant control.
Research interests: Network science, robustness and resilience of complex networks and systems, dynamics on networks, control theory, fault-tolerant and secure control, distributed control, graph theory, game theory, algorithms, multi-agent systems.
Why choose Purdue? Purdue offers a top-notch research and teaching environment with world-class faculty and students. The fact that rush hour in West Lafayette lasts from 5 p.m. to 5:05 p.m. is nice too.

Tyler Tallman

Assistant professor
Aeronautics and Astronautics
ttallman@purdue.edu
Degree: PhD
Coming here from: U. of Michigan
Teaching interests: Solid mechanics, structural mechanics, structural dynamics, engineering mathematics, and finite element methods.
Research interests: Structural health monitoring, multi-functional materials, nano-materials, and tomographic imaging.
Why choose Purdue? Purdue boasts a top engineering college and a top aerospace engineering department in a nice college town.

Ted Weidner

Associate professor
Construction Engineering and Management
tjweidne@purdue.edu
Degree: PhD
Coming here from: Business
Teaching interests: Facilities engineering management, ensuring achievement of long-lived facilities at the lowest cost, ensuring high value.
Research interests: Vertical infrastructure maintenance management and cost projections, built infrastructure data mining.
Why choose Purdue? Professor of practice opportunity.

Dana Weinstein

Associate professor
Electrical and Computer Engineering
danaw@purdue.edu
Degree: PhD
Coming here from: MIT
Teaching interests: MEMS, microelectronics, electricity+magnetism, solid-state devices.
Research interests: RF microelectromechanical systems.
Why choose Purdue? Two-body problem. I'm also excited about the mass expansion of the college.

Christopher Williams

Assistant professor
Civil Engineering
csw@purdue.edu
Degree: PhD, civil engineering
Coming here from: U. of Texas at Austin
Teaching interests: Reinforced concrete behavior and design, plasticity of structural concrete, reinforced concrete bridge design.
Research interests: Behavior and design of reinforced concrete structures, design codes for structural concrete, pre-stressed concrete structures.
Why choose Purdue? I chose Purdue because of the high quality of teaching and research within the School of Civil Engineering.

Wenzhuo Wu

Assistant professor
Industrial Engineering
wenzhuowu@purdue.edu
Degree: PhD
Coming here from: Georgia Tech
Teaching interests: Advanced nanomanufacturing, nanomaterials and nanotechnology.
Research interests: Synthesis, manufacturing and integration of nanomaterials for functional systems; self-powered nano-systems; nanomaterials based electronics, optoelectronics and energy harvesting.
Why choose Purdue? Purdue has dedicated excellence and international reputation in engineering program. Purdue is also the ideal place for wide-scale interdisciplinary collaborations.

David J. Yu

Assistant professor
Civil Engineering / Political Science
davidyu@purdue.edu
Degree: PhD in sustainability
Coming here from: Arizona State U.
Teaching interests: (1) systems thinking and dynamic modeling for human-environment interactions and (2) collective action and the commons.
Research interests: I study the interdisciplinary science of coupled natural and human systems (CNH) that depend on infrastructure. Specifically, I study institutions and the environment and the resilience of CNH to change and surprise.

Why choose Purdue? I chose Purdue because it provides me with an opportunity to engage in interdisciplinary research on sustainability.

Song Zhang

Associate professor
Mechanical Engineering
szhang15@purdue.edu
Degree: PhD
Coming here from: Iowa State U.
Teaching interests: Both graduate and undergraduate classes on measurements, sensing, optics, vision and controls.
Research interests: High-speed 3-D optical sensing, machine vision, human computer interaction, virtual reality.
Why choose Purdue? Purdue is a prominent place for engineering research and education. The large and very diverse research portfolio makes it convenient to find collaborations on campus.

Yiying Zhang

Assistant professor
Electrical and Computer Engineering
yiying@purdue.edu
Degree: PhD
Coming here from: U. of California, San Diego

Fengqing Maggie Zhu

Assistant professor
Electrical and Computer Engineering
zhu0@purdue.edu
Degree: PhD
Coming here from: Huawei Technologies (USA)
Teaching interests: Attract students from diverse backgrounds to the field of image processing at both undergraduate and graduate level, and help them to succeed through active learning and research experience.
Research interests: Advance research in the areas of image processing and analysis, video compression, computer vision and computational photography.
Why choose Purdue? Purdue is my alma mater. I am proud to have received my education at this world-renowned university, and am honored to be a member of the faculty body now.

HEALTH AND HUMAN SCIENCES

Satyajit Ambike

Visiting assistant professor
Health and Kinesiology
sambike@purdue.edu
Degree: PhD
Coming here from: Pennsylvania State U.
Teaching interests: My focus will be on human biomechanics. The objective is to enable healthcare professionals to leverage the power of mathematico-physical principles and tools to provide effective therapeutic treatments.
Research interests: Biomechanics and control of human movement; especially prehension and whole-arm motion; characterization of movements with neuro-degenerative disease; diagnostic tools.
Why choose Purdue? Purdue is attractive because of its pedigree, culture of collaboration, high-quality graduate and undergraduate student population and proximity to Chicago and Indianapolis. I am also getting used to Midwestern politeness.

Steve Amireault

Assistant professor
Health and Kinesiology
samireau@purdue.edu
Degree: PhD
Coming here from: U. of Toronto
Teaching interests: Learning activities that actively engage the students in the acquisition of knowledge and in the development of their clinical competence. Topic includes epidemiology, research methods, physical activity.
Research interests: Maintenance of physical activity, exercise and health psychology.

Regan Bailey

Associate professor
Nutrition Science
reganbailey@purdue.edu
Degree: PhD, MPH, RD
Coming here from: National Institutes of Health

Jaime Bauer Malandraki

Clinical instructor
Speech, Language, and Hearing Sciences
jaimebauer@purdue.edu
Degree: MS
Teaching interests: Clinical supervision in speech-language pathology.
Research interests: Feeding and swallowing across the life span.

Tamar Greenwell

Clinical assistant professor
Speech, Language, and Hearing Sciences
greenwel@purdue.edu
Degree: MS
Coming here from: Greater Lafayette Area Special Services
Teaching interests: Speech and language development. Childhood speech and language disorders and treatment. Language and literacy, phonology, social/pragmatic language, apraxia and fluency.
Research interests: Speech and language development. Childhood speech and language disorders and treatment. Language and literacy, phonology, social/pragmatic language, apraxia and fluency.
Why choose Purdue? The SLHS department at Purdue represents the integration of leading research and clinical practices in the field of speech language pathology.

Michelle Gutmann

Clinical associate professor
Speech, Language, and Hearing Sciences
mgutmann@purdue.edu
Degree: PhD
Coming here from: Nashville, Tennessee
Teaching interests: Speech, language, and cognitive disorders in adults; augmentative and alternative communication; assistive technology.
Research interests: Speech, language, and cognitive disorders in adults; augmentative and alternative communication; assistive technology.
Why choose Purdue? Great job opportunity!

Beth Jones

Clinical instructor
Nursing
jone1228@purdue.edu
Degree: DNP, Dec. 2015 (advance to clinical assistant professor expected to accompany degree)

Coming here from: IU Health
Teaching interests: Psychiatric-mental health nursing.
Research interests: Dedicated education units.
Why choose Purdue? I am a Purdue graduate in nursing, 35 years old. I will complete my DNP in 2015 and have been excited to return to my alma mater.

Nolan Kline

Assistant professor
Consumer Science
klinen@purdue.edu
Degree: PhD
Coming here from: Tampa (U. of South Florida)
Teaching interests: Social and behavioral sciences applied to health, medical anthropology, applied anthropology, social justice research methods, community-based participatory research, political economy of health, theories of social inequality.
Research interests: Health disparities, immigrant health, social determinants of health, human papillomavirus, health promotion and prevention, sexual health, LGBT health.
Why choose Purdue? Purdue is a great institution with a history of making meaningful impacts beyond the academy!

Deborah Linebarger

Associate professor
Human Development and Family Studies
dlinebar@purdue.edu
Degree: PhD
Coming here from: U. of Iowa
Teaching interests: Developmental psychology, cognition, learning.
Research interests: Effects of media on children under 8 years of age.
Why choose Purdue? High-quality faculty, support for scholarly productivity, vibrant community.

Melissa Newell

Clinical assistant professor
Speech, Language, and Hearing Sciences
newell7@purdue.edu
Degree: AuD
Coming here from: Munster, Indiana
Teaching interests: Clinical supervision of doctoral students. Specialize in pediatrics and vestibular disorders. Teaching coursework in basic hearing sciences, pediatrics, and vestibular disorders.

Why choose Purdue? Excellent AuD program. Opportunity to continue working with patients as well as teaching and working with students.

Corinne Novell

Assistant professor
Consumer Science
novell@purdue.edu
Degree: PhD
Coming here from: U. of Cincinnati (post-doc), U. of Florida (PhD)

Carlos Perez-Torres

Assistant professor
Health Sciences
cperezto@purdue.edu
Degree: PhD
Coming here from: Saint Louis
Teaching interests: Radiation, biomedical imaging (magnetic resonance imaging), cancer.
Research interests: Side effects of radiation therapy for brain tumors: MRI properties and therapy response.
Why choose Purdue? Great fit. Program was looking for my mix of radiation biology and imaging experience. Also, high-quality research institution.

Kate Thomas

Assistant professor
Psychological Sciences
katethomas@purdue.edu
Degree: PhD
Coming here from: San Francisco VA Medical Center/Michigan State University
Teaching interests: I hope to teach various graduate and undergraduate courses in clinical, personality, and assessment psychology. This year I'm teaching Abnormal Psychology and Intensive Longitudinal Data Analysis.
Research interests: I focus my research on moment-to-moment interpersonal behaviors and other dynamic aspects of personality and relationships, particularly as these features relate to psychopathology and its treatment.
Why choose Purdue? I'm excited to join faculty who share many of my values and interests, and I hope to learn from and build on existing departmental strengths in personality and relationships.

Bridgette Tonnsen

Assistant professor
Psychological Sciences
btonnsen@purdue.edu
Degree: PhD
Coming here from: U. of South Carolina
Teaching interests: Developmental psychology, cognitive assessment, neurodevelopmental disorders (e.g., autism).
Research interests: Risk and resilience in children and families affected by neurodevelopmental disorders; behavioral and biological predictors of psychopathology (autism, attention problems anxiety) in infants; maternal mental health and well-being.
Why choose Purdue? Purdue autism network, welcoming and accomplished colleagues, high-caliber research infrastructure and resources, collaborative opportunities, motivated students.

LIBERAL ARTS

Harry Denny

Associate professor
English
hdenny@purdue.edu
Degree: PhD
Coming here from: St. John's U.
Teaching interests: Rhetoric and composition, writing center studies, cultural and working-class students, rhetoric of social movements, qualitative research methods.
Research interests: Writing center studies, empirical and critical research in composition and writing centers, rhetoric of social movements, identity politics.
Why choose Purdue? Critical mass of faculty in composition and rhetoric, world-class writing lab, opportunity to do intensive research on the impact and research of writing centers, amazing undergraduate and graduate studies in my area.

David Johnson

Industrial Engineering / Political Science
See listing under Engineering.

Kimberly Osborne

Endowed C-SPAN Chair Professional-in-Residence
Brian Lamb School of Communication
kimosborne@purdue.edu
Degree: PhD, adult education (Georgia), MA, communications management (U. of Southern California - Annenberg)
Coming here from: Federal government and private industry
Teaching interests: Media literacy, power/hegemony, cultural studies, and program planning. I also will help students make connections between their interests and opportunities beyond Purdue.
Research interests: Although I'm not presently in a research role, my research examines how power relations and interests influence decisions and shape media production, especially in news.
Why choose Purdue? Great school, great reputation, great opportunity. What's not to love?

Krista (Kris) Ratcliffe

Professor and head
English
ratcliffe@purdue.edu
Degree: PhD
Coming here from: Marquette U.
Teaching interests: Composition, writing theory, rhetorical history and theory with a special interest in cross-cultural communication as well as feminist and critical race theories.
Research interests: Rhetorical listening, intersections of feminist and critical race theories.
Why choose Purdue? The English Department has interesting programs and faculty with national reputations, and I have friends and family in the area.

Bryce Reeder

Visiting assistant professor
Political Science
reeder3@purdue.edu
Degree: PhD
Coming here from: U. of Illinois at Urbana-Champaign

David J. Yu

Civil Engineering / Political Science
See listing under Engineering.

LIBRARIES

Bethany McGowan

Assistant professor
Life Sciences Library
bmcgowan@purdue.edu
Degree: MLIS
Coming here from: Washington, D.C.
Teaching interests: Information literacy, health literacy, health communication, scholarly communication, collaborative research, data management.
Research interests: Health literacy, health communication, user experience design, information architecture.
Why choose Purdue? I chose Purdue because I can continue to improve my teaching skills, and also have strong support and backing for my research interests.

David Zwicky

Assistant professor
Libraries
dzwicky@purdue.edu
Degree: MS, MA
Coming here from: North Carolina State U.
Teaching interests: Teaching information literacy, specifically as it pertains to chemistry and chemical information.
Research interests: How do researchers in chemical sciences and chemistry-related engineering disciplines use chemical information?
Why choose Purdue? Location, career development opportunities, challenges.

■ MANAGEMENT

Jon Beard

Visiting associate professor
Management

College/School: Krannert
beard25@purdue.edu

Degree: PhD

Coming here from: George Mason U.

Teaching interests: General MIS/IT;
systems thinking; database management; project management; systems engineering.

Research interests: Organizational and individual implications of changing IT environment; design science; project management.

Why choose Purdue? Opportunity to contribute to and participate in an excellent research and teaching environment.

Jonathan Black

Assistant professor
Accounting

black100@purdue.edu

Degree: PhD, accounting

Coming here from: University of Colorado Boulder

Teaching interests: I have primarily taught financial accounting but as a former auditor I am also interested in teaching audit.

Research interests: I am interested in the effect of corporate disclosure on capital markets. My dissertation looks at perhaps unintended consequences of mandatory disclosure for credit derivative sellers.

Why choose Purdue? I chose Purdue because of the exceptional accounting group. Working with them and with the resources that Purdue provides was a huge draw for me.

Jillian Carr

Assistant professor
Economics

carr56@purdue.edu

Degree: PhD

Coming here from: Texas A&M U.

Wan Ting Chiu

Visiting assistant professor
Management

wtchiu@purdue.edu

Degree: PhD

Coming here from: Hong Kong

Hossein Ghasemkhani

Assistant professor
Management

hossein@purdue.edu

Degree: PhD

Coming here from: MIT

Teaching interests: Systems analysis and design, project management.

Research interests: Economics of information systems, business analytics, digital business, modeling peer-to-peer systems.

Why choose Purdue? Great school with a great academic environment and great researchers.

Richard Makadok

Professor and Brock Family Chair in Strategic Management

Management

rmakadok@purdue.edu

Degree: PhD

Coming here from: Emory U.

Teaching interests: MBA-level strategic management core course.

Research interests: Competitive advantage and theory of profit.

Why choose Purdue? Closer fit to my research interests than my previous department.

Janakiraman Moorthy

Visiting professor

Management

jmoorthy@purdue.edu

Degree: PhD

Coming here from: Institute of Management Technology, Dubai, United Arab Emirates

Teaching interests: Customer relationship management, marketing research, marketing analytics, new product development and product management.

Research interests: Improving customer relationship management, marketing efficiency, and application of analytical tools for marketing decision making.

Why choose Purdue? Krannert School of Management provides an ecosystem for the pursuit of academic scholarship of interest. Collegial peer group and demanding students is another important reason.

Miguel Sarzosa

Assistant professor
Economics

msarzosa@purdue.edu

Degree: PhD

Coming here from: D.C.

Teaching interests: Applied econometrics, labor economics.

Research interests: Cognitive and non-cognitive skills development and consequences.

Zaiyan Wei

Assistant professor
Management

zaiyan@purdue.edu

Degree: PhD

Coming here from: U. of Arizona

■ PHARMACY

No responses

■ POLYTECHNIC

James Burns

Assistant professor

Technology Leadership and Innovation
(South Bend)

burns128@purdue.edu

Degree: PhD, industrial engineering

Coming here from: Western Michigan U.

Teaching interests: Applied operations research, operations management.

Research interests: Supply chain and operational resilience, applied operations research.

Why choose Purdue? The opportunity to work and grow within an institution that is committed to excellence in teaching and research.

Vetria Byrd

Assistant professor
Computer Graphics Technology
vbyrd@purdue.edu
Degree: PhD
Coming here from: Clemson U.
Teaching interests: Visualization (intro, intermediate, advanced), computer science.
Research interests: Visual analytics, visual and experimental computing, in situ visualization (i.e., real-time visualization), the impact of visualization in high-performance computing and broadening participation in science, technology, engineering and mathematics (STEM) through visualization.
Why choose Purdue? Purdue offers professional growth and an interest in continuing and growing my interest in undergraduate/graduate research.

Brett Crawford

Assistant professor
Technology Leadership and Innovation
bcrawford@purdue.edu
Degree: PhD
Coming here from: U. of Pittsburgh
Teaching interests: Organizations and leadership.
Research interests: Organizations, institutions, environment, stigma.
Why choose Purdue? I chose Purdue because of fit, both professionally and personally.

Colin Gray

Assistant professor
Computer Graphics Technology
gray42@purdue.edu
Degree: PhD, instructional systems technology
Coming here from: Iowa State U.
Teaching interests: User experience (UX); design; critical theory; education/learning.
Research interests: HCI; design; critical theory; values/ethics; engineering/technology education.
Why choose Purdue? Technology infrastructure; support of active learning; reputation.

Rex Kanu

Assistant professor
Engineering Technology (Richmond)
rkanu@purdue.edu
Degree: PhD, polymer science
Coming here from: Ball State U.
Teaching interests: Teach courses in plastics and engineering materials: materials selection, processing, and testing.
Research interests: Study the effects of processing parameters on mechanical properties of polymer-clay nanocomposites. Also, to explore the use of polymers in drug delivery systems to improve patients' medications adherence.
Why choose Purdue? Purdue has excellent reputation in engineering education and research, and I would like to be part of the successful team that continues to contribute to its excellent reputation.

Anne Lucietto

Assistant professor
Engineering Technology
lucietto@purdue.edu
Degree: PhD
Coming here from: Purdue
Teaching interests: While working in industry I have also taught concurrently. My teaching interests are in the thermal fluids area.
Research interests: My research training was in engineering education; however, I am now focusing on the extraction and comparison of data for engineering technology.
Why choose Purdue? Good fit for my education and research.

Byung-Cheol Min

Assistant professor
Computer and Information Technology
minb@purdue.edu
Degree: PhD
Coming here from: Carnegie Mellon U.
Teaching interests: Robotics, software development for mobile computers, assistive technology, human-robot interaction.
Research interests: Assistive technology and robotics, field and service robots, sensor network, human-robot interaction.

Why choose Purdue? The student-centered and hands-on education methods that Purdue provides are aligned with my own teaching philosophy and Purdue has a perfect infrastructure and offers unique support for my research.

Brittany Newell

Assistant professor
Engineering Technology
bnewell1@purdue.edu
Degree: ABE
Coming here from: Delphi, Indiana
Teaching interests: I will be teaching applied thermodynamics this fall. I am interested in real-world learning and accommodating various learning styles.
Research interests: Future applications and materials research in the field of electroactive polymer materials.
Why choose Purdue? I did my undergraduate and graduate work at Purdue. I think Purdue is a wonderful community, has endless opportunities, and provides a good balance between research and teaching.

Paul Parsons

Assistant professor
Computer Graphics Technology
parsonsp@purdue.edu
Degree: PhD
Coming here from: Western U., Canada
Teaching interests: Human-computer interaction, human-centered design, information visualization.
Research interests: Human-centered design, information visualization, interaction design, interactive cognition.
Why choose Purdue? Excellent reputation and an interesting department.

Nancy Rasche

Clinical assistant professor
Computer Graphics Technology
nrasche@purdue.edu
Degree: MFA, interaction design
Coming here from: Purdue
Teaching interests: Project focused experience studios for user experience design.
Research interests: Developing mobile applications for children with autism.

Kathryn Seigfried-Spellar

Assistant professor
Computer and Information Technology
kspellar@purdue.edu
Degree: PhD
Coming here from: U. of Alabama
Teaching interests: Cybercrime, research methods, applied statistics.
Research interests: Personality, cyber-crime, cybersecurity.
Why choose Purdue? Great department and atmosphere.

Marcus Thompson

Visiting assistant professor
Computer and Information Technology
marc@purdue.edu
Degree: MS
Coming here from: Louisiana
Teaching interests: Forensics of file systems, mobile devices, memory, networks, Windows, Mac, and Linux. Scripting and open source tools for forensics.
Research interests: Amazon Kindle.
Why choose Purdue? The people. The cycling.

Jan Tyler

Visiting assistant professor
Technology Leadership and Innovation (Richmond)
tyler13@purdue.edu
Degree: Doctor of Education
Teaching interests: Organizational leadership and innovation, ethical leadership, leading change, biometrics technology applications in the workplace.
Research interests: Teaching and learning in higher education especially in the polytechnic environment.
Why choose Purdue? Purdue's reputation for educational excellence and the opportunity to teach for Purdue Polytechnic Statewide in Richmond.

Rustin Webster

Visiting assistant professor
Engineering Technology (New Albany)
rwebste@purdue.edu
Degree: Mechanical engineering technology
Coming here from: Huntsville, Alabama
Teaching interests: Computer aided design (CAD), virtual reality, mechanical engineering technology, project management, system engineering.

Research interests: Engineering technology, immersive virtual learning environments, educational technology, virtual/augmented reality.
Why choose Purdue? Dream job and moving closer to family.

SCIENCE

Rudro Biswas

Assistant professor
Physics
rrbiswas@purdue.edu
Degree: PhD, physics
Coming here from: Argonne National Lab
Teaching interests: All physics courses; specifically, modern methods of condensed matter physics.
Research interests: I am a theoretical condensed matter physicist interested in understanding exotic quantum states of matter, such as quantum Hall states, superconductors, topological insulators and spin liquids, with applications to experiments.
Why choose Purdue? Because of Purdue's mission of public education as a land-grant university, and the legacy of physicists like Overhauser, Purcell, Mottelson and Schwinger who have been associated with Purdue.

Daniel Dawson

Assistant professor
Earth, Atmospheric, and Planetary Sciences
dandawson@purdue.edu
Degree: PhD
Coming here from: U. of Oklahoma
Teaching interests: I'm interested in teaching atmospheric dynamics, cloud and precipitation physics, and numerical weather analysis and prediction, with an emphasis on severe thunderstorms and tornadoes.
Research interests: The numerical analysis, simulation and prediction of severe thunderstorms and tornadoes, atmospheric data assimilation techniques, and cloud and precipitation physics within thunderstorms.
Why choose Purdue? Purdue is my undergraduate alma mater (1998-2002), and the quality of the education and the camaraderie among the faculty and students that I experienced made it a natural choice.

Chen-Lung Hung

Assistant professor
Physics and Astronomy
clhung@purdue.edu
Degree: PhD

Srividya Iyer-Biswas

Assistant professor
Physics
iyerbiswas@purdue.edu
Degree: PhD, physics
Coming here from: U. of Chicago
Teaching interests: Core physics courses, stochastic processes, theoretical biophysics, experimental biophysics.
Research interests: Discovering physical principles that govern stochastic single-cell behavior, and transcend the details of specific biological systems, is the primary focus of my group's research. Specifically, my group focuses on elucidating the role of stochasticity in determining individual-cell behavior in three different contexts: cell-to-cell variability in copy numbers, the timing of key events, and the spatial locations of key geometrical features.
Why choose Purdue? Purdue has a top-tier research environment and is dedicated to excellence in pedagogy. For both reasons, I chose to join Purdue as a member of the faculty.

Andreas Jung

Assistant professor
Physics and Astronomy
anjung@purdue.edu
Degree: PhD
Coming here from: Fermilab

Chi Li

Assistant professor
Mathematics
li2285@purdue.edu
Degree: PhD.
Research interests: Geometry.

N. Sanjay Rebello

Professor

Physics and Astronomy / Curriculum & Instruction

rebellos@purdue.edu

Degree: PhD

Coming here from: Kansas State U.

Teaching interests: My teaching interests include research-based physics instruction and novel instructional environments and pedagogical practices for engineers and other majors including the development of integrated STEM learning experiences for future teachers.

Research interests: My research interests include research on how people learn science, especially physics, and how they transfer their learning to new contexts, such as engineering problems.

Why choose Purdue? I chose Purdue for its vibrant intellectual climate, diversity, and strong commitment to high-quality scholarship, teaching, and research, especially research on learning and education.

Bruno Ribeiro

Assistant professor

Computer Science

ribeirob@purdue.edu

Degree: Coming here from: Carnegie Mellon U.

Teaching interests: Data science, data mining, machine learning.

Research interests: Data science and modeling stochastic processes.

Why choose Purdue? Great school, strong faculty support, research-oriented.

Heejung Shim

Assistant professor

Statistics

hjshim@purdue.edu

Degree: PhD

Coming here from: U. of Chicago

Teaching interests: I am very interested in developing a course in interdisciplinary collaborative research. I am interested in teaching statistical methods for genetics/genomics, Bayesian statistics, and computational methods in statistics.

Research interests: Developing statistical methods and computational tools for analyses of complex and large-scale genomic/genetic data; wavelet/multi-scale methods for analyses of

functional data (e.g., high-throughput sequencing data and image data); Bayesian statistics; computational statistics; genome-wide association analyses of complex traits; phylogenetics; alternative splicing.

Why choose Purdue? Very diverse research interests of faculty members and strong support for interdisciplinary collaborative research.

Robin Tanamachi

Assistant professor

Earth, Atmospheric, and Planetary Sciences

rtanamachi@purdue.edu

Degree: PhD

Coming here from: U. of Oklahoma

Teaching interests: Scientific literacy, critical thinking, innovative teaching methods.

Research interests: Radar-based studies of severe storms and tornadoes.

Why choose Purdue? Dual-career hire with husband (who is an alum); geographically close to family.

Roy Tasker

Professor

Chemistry

rtasker@purdue.edu

Degree: PhD

Coming here from: Sydney, Australia

Teaching interests: Challenging students to understand chemistry through visualization of the structures and processes at the molecular level. I use a cognitive learning model, based on the way the brain processes audiovisual information, to inform my teaching.

Research interests: How and what students learn using interactive multimedia resources, in particular from learning designs and visualizations that develop student imagination of the molecular world.

Why choose Purdue? Chemical education researchers at Purdue have established an international record of excellence in the field over many decades, and I look forward to contributing to this enterprise with the help of motivated students, cutting-edge facilities, and supportive colleagues.

Corey Thompson

Assistant professor

Chemistry

thomp493@purdue.edu

Degree: PhD

Coming here from: McMaster U.

Teaching interests: Inorganic and solid state chemistry, materials science and applications.

Research interests: Inorganic synthesis, functional inorganic materials, energy and sustainability.

Why choose Purdue? Purdue provides great teaching and research resources, a friendly atmosphere, top-ranked chemistry and engineering programs, and highly qualified students.

Samy Tindel

Professor

Mathematics

stindel@purdue.edu

Degree: PhD

Coming here from: Université de Lorraine (France)

Teaching interests: Anything related to mathematics.

Research interests: Probability theory, stochastic processes and stochastic analysis, modeling for biosciences.

Why choose Purdue? Very strong math department, multiple possibilities of collaboration in my area of expertise, thriving interdisciplinary research on campus. I'm also expecting to meet highly motivated students at Purdue.

Lisa Welp

Assistant professor

Earth, Atmospheric, and Planetary Sciences

lwelp@purdue.edu

Degree: PhD

Coming here from: Caltech

Teaching interests: Climate change, biogeochemistry, environmental chemistry, stable isotope tracers.

Research interests: Land-atmosphere exchange of carbon dioxide and water, stable isotope biogeochemistry, terrestrial carbon cycle, plant water use, ecosystem response to climate change and land management.

Why choose Purdue? EAPS provides strong support for environmental sciences and the Purdue Stable Isotope Laboratory is a fantastic place to train students. Interdisciplinary collaborations with experts in forestry, agronomy, and engineering.

■ VETERINARY MEDICINE

Abby Durkes

Assistant professor
Comparative Pathobiology
adcox@purdue.edu

Marxa Figueiredo

Assistant professor
Basic Medical Sciences
mlfiguei@purdue.edu
Degree: PhD
Coming here from: U. of Texas
Teaching interests: Cells and tissues,
stem cells for regenerative medicine,
therapeutics.

Research interests: Our lab aims to understand the interactions between the musculoskeletal and immune systems for translational applications. We develop therapeutic modalities that can restore cartilage/bone and immune cell homeostasis with musculoskeletal and cancer applications.

Why choose Purdue? It is a premier institution for musculoskeletal biology and cancer biology research. I also have a special connection with the campus as my parents went here when I was a small child (age 0-4). It is a vibrant and energetic campus with outstanding research activity as well as a beautiful area to live.

Sarah Malek

Assistant professor
Veterinary Clinical Sciences
maleks@purdue.edu
Degree: DVM
Coming here from: U. of Prince Edward Island

Teaching interests: Small animal surgery both soft tissue, orthopedic and neurosurgery both (lab and lectures).

Research interests: Osteoarthritis, pain management.

Why choose Purdue? Mutual interests and goals.

Timothy Preston

Visiting assistant professor
Veterinary Clinical Sciences
tpresto@purdue.edu
Coming here from: Murdoch U.

Mark Rochat

Clinical professor
Veterinary Clinical Sciences
mrochat@purdue.edu
Coming here from: Oklahoma State U.
Teaching interests: Surgical resident training.
Research interests: Orthopedic trauma, total joint replacement, orthopedic infection, wound management, biomechanics.

Why choose Purdue? Opportunity to do what I do best in an environment with numerous resources and positive and directed leadership.

Audrey Ruple-Czerniak

Assistant professor
Comparative Pathobiology
aruplec@purdue.edu
Degree: DVM, MS, PhD
Coming here from: Colorado State U.
Teaching interests: Public health epidemiology, clinical biostatistics.
Research interests: Cancer epidemiology/cancer prevention.
Why choose Purdue? Good fit!

Micha Simons

Clinical assistant professor
Veterinary Clinical Sciences
simonsm@purdue.edu
Degree: BS, VMD
Teaching interests: Small animal surgery, particularly soft tissue surgeries.
Research interests: Wounds and surgical oncology.

Andrew Woolcock

Assistant professor
Veterinary Clinical Sciences
adwoolcock@gmail.com
Degree: Doctor of Veterinary Medicine
Coming here from: Athens, Georgia
Teaching interests: Academic self-efficacy, student health/wellness (specifically depression and anxiety), professional writing.

Research interests: Immunology and hematology, specifically immune-mediated diseases and novel immunotherapies; canine obesity.

Why choose Purdue? As a born and raised Midwesterner, I was excited to return, and even more excited to join a university with so much history, passion, support, collegiality, and inclusiveness.