New Faculty at West Lafayette, Fall 2021

These brief profiles of new members of the faculty at Purdue's West Lafayette campus for Fall 2021 are meant to serve as an introduction and welcome. The Office of the Provost invited incoming professors to provide this information. The 112 responses are arranged by college/school.

AGRICULTURE

Julia Bello-Bravo

Assistant professor

Agricultural Sciences Education and Communication

mbellobr@purdue.edu

John Blanton

Professor and department head

Animal Sciences

blantonj@purdue.edu

Brenna Ellison

Associate professor

Agricultural Economics

bdelliso@purdue.edu

From where are you coming? University of Illinois

Teaching interests: Food marketing, business strategy, consumer behavior and decision making.

Research interests: I study how people make food choices, particularly how information and labeling influence food choice behaviors.

Why choose Purdue? I chose to join Purdue because I am excited about the collaborative spirit in my department, college, and across campus. I look forward to growing my research, teaching, and outreach portfolios at Purdue!

Jeneen Fields

Assistant professor

Botany and Plant Pathology

abrams12@purdue.edu

From where are you coming? Bayer, University of Tennessee

Teaching interests: Student learning and engagement.

Research interests: Plant and pathogen interactions and medicinal plant application.

Why choose Purdue? Purdue is a great institution by reputation but must maintain its edge to remain there. I plan on contributing to that edge.

Krystal Hans

Assistant professor

Entomology

hans3@purdue.edu

From where are you coming? Purdue (since 2019), Delaware State University (2016-18)

Teaching interests: Forensic science and forensic entomology.

Research interests: Insect behavior and development on decomposing remains and interactions among forensically relevant insects.

Why choose Purdue? I joined Purdue as a lecturer in 2019 and quickly became integrated into the department. I've had more opportunities and met incredible colleagues in my time at Purdue. Purdue gives me the possibility of developing new courses and growing my research program.

Mark LeBlanc

Director; clinical professor

Office of the Indiana State Chemist; Biochemistry

leblanc1@purdue.edu

From where are you coming? LSU Agriculture Center and the Louisiana Department of Agriculture and Forestry

Teaching interests:

Research interests:

Why choose Purdue? The reputation of Purdue and the Office of Indiana State Chemist allowed me to make the decision to advance my career and move my family to Lafayette.

James Markworth

Assistant professor

Animal Sciences

jmarkwor@purdue.edu

From where are you coming? University of Michigan (Ann Arbor), University of Auckland (New Zealand) and Deakin University (Melbourne, Australia)

Teaching interests: Skeletal muscle biology, non-ruminant nutrition, and nutritional biochemistry.

Research interests: Muscle development/growth/regeneration, immunology, bioactive lipid mediators and molecular nutrition.

Why choose Purdue? Top R1 research university, world-class laboratory/core facilities, and diverse faculty/student body.

Barry Pittendrigh

John V. Osmun Endowed Chair

Entomology

pittendr@purdue.edu

From where are you coming? Michigan State University

Teaching interests: International development and insect genomics.

Research interests: Insect genomics and scalable educational strategies in a global context.

Why choose Purdue? Purdue is strong in multiple areas where I have research interests.

Daniel Quinn

Assistant professor and Extension corn specialist

Agronomy

djquinn@purdue.edu

From where are you coming? University of Kentucky

Teaching interests: Crop diagnostics, precision agriculture and cropping systems management.

Research interests: Agronomic management of corn, cover crops and precision nutrient management.

Why choose Purdue? Strong agronomy and Extension program. Specific position was what I had been training for and what I wanted.

Halis Simsek

Assistant professor

Agricultural and Biological Engineering

simsek@purdue.edu

From where are you coming? North Dakota State University

Teaching interests: I like to teach bioenvironmental engineering courses including biological wastewater treatment courses, animal housing indoor environment quality courses. In addition, I like to teach water treatment (drinking water) courses.

Research interests: Biological wastewater treatment, mathematical modeling in environmental engineering and indoor and outdoor air quality.

Why choose Purdue? Purdue is a unique university in the USA for agricultural and biological engineering department. The nationwide ranking is always #1 or #2. I like the working environment at Purdue since I have already an MS degree from Purdue.

Senay Simsek

Professor and head

Food Science

ssimsek@purdue.edu

EDUCATION

Rawan Atari-Khan

Assistant professor

Educational Studies (counseling psychology)

ratarikh@purdue.edu

Luke Bennett

Assistant professor

Curriculum and Instruction

benne295@purdue.edu

From where are you coming? Clemson University

Teaching interests: Instructional design, technology integration, online teaching and learning.

Research interests: Management and pedagogy within emerging learning spaces.

Why choose Purdue? The opportunity to be a part of a world-class innovative university.

David C. Stanley Jr.

Assistant professor

Educational Studies (counseling psychology)

dcstanle@purdue.edu

From where are you coming? University of Georgia

Teaching interests: My teaching interests revolve around encouraging and challenging students to develop multicultural competencies (knowledge, skills, and awareness) to be most effective when working with diverse clients from various backgrounds and unique circumstances. I believe this strong foundation will help to guide students in their research, teaching, and practice, ensuring that they are being mindful and intentional in their approach.

Research interests: My research interests include effective mentoring of doctoral-level psychology students, resilience among Black men, and communication at the intersections of race and gender. More broad research interests include qualitative methodology, racial/ethnic minority mental health and multicultural issues (diversity, equity, inclusion, and social justice advocacy).

Why choose Purdue? I strongly believe the opportunities offered in the Department of Educational Studies complement my goals and commitment to multicultural and cross-cultural psychology. I was drawn to the programs’ emphasis on addressing racism and the significance of race in American society, as this has been a major focus of my current training and advocacy work combatting oppression by helping Latinx and Black students get into and stay in graduate school at a PWI.

ENGINEERING

David Arnas

Assistant professor

Aeronautics and Astronautics

darnas@purdue.edu

From where are you coming? Massachusetts Institute of Technology

Teaching interests: I like to teach physics and mathematics-related courses.

Research interests: Satellite constellation desing, celestial mechanics and applied mathematics.

Why choose Purdue? Because Purdue University is one of the best universities in the world in the field of astrodynamics.

Thomas Beechem

Associate professor

Mechanical Engineering

tbeechem@purdue.edu

From where are you coming? Sandia National Laboratories

Teaching interests: Heat and mass transport, optical spectroscopy and nanoscale transport.

Research interests: Our group, the Specere Laboratory, leverages nanoscale phonon-physics to create thermal, spectroscopic (i.e., sensing) and infrared solutions.

Why choose Purdue? Purdue provides a world-class collaborative research culture powered through the caliber of its students that together offers a place for faculty to impact not just the next generation of technology but, more importantly, the next wave of technological leaders.

Ana Estrada Gomez

Assistant professor

Industrial Engineering

amestrad@purdue.edu

From where are you coming? Georgia Institute of Technology

Teaching interests: At the undergraduate level, I am interested in teaching probability and statistical courses. At the graduate level, I would like to teach courses such as industrial applications of statistics, predictive modeling, and mathematics of data science. I am also highly interested in developing and teaching new graduate courses associated with my research, such as high-dimensional data analytics or probabilistic graphical models.

Research interests: My research interests revolve around developing efficient methodologies and algorithms for modeling, monitoring, and diagnosing complex systems with high-dimensional streaming data, using statistical machine learning tools.

Why choose Purdue? Purdue is one of the best universities in the United States. I am sure I will be able to grow as a researcher, mentor, and teacher while contributing to society at this amazing institution.

Ben Fong

Associate professor of practice

School of Industrial Engineering

nbfong@purdue.edu

From where are you coming? I graduated with my MSME and PhD in ISE from Virginia Tech. I have 27 years of industrial experience in global product strategic leadership, IoT product R&D engineering, manufacturing operations, and Lean Six Sigma enterprise transformation from Caterpillar, GE Healthcare, Rockwell Automation, Pentair and other Fortune 500 companies.

Teaching interests: I am interested to teach the Professional Master's Program Capstone Project and Professional Development courses.

Research interests: My research interests include IoT connectivity, smart factory, cyber physical systems, big data analytics, cloud computing and artificial intelligence.

Why choose Purdue? Purdue University's engineering programs have been ranked among the best in the country with world-class education and expansive alumni around the globe.

Jing Gao

Associate professor

Electrical and Computer Engineering

jinggao@purdue.edu

From where are you coming? Before joining Purdue, I was an associate professor in the Department of Computer Science and Engineering at University at Buffalo. I got my PhD in computer science from University of Illinois at Urbana-Champaign.

Teaching interests: Data science.

Research interests: I am broadly interested in data and information analysis with a focus on data mining. In particular, I am interested in information veracity analysis, crowdsourcing, knowledge graphs, multi-source data analysis, anomaly detection, transfer learning, text mining, data stream mining as well as various data mining applications in healthcare, bioinformatics, social science, transportation, cyber security and education.

Why choose Purdue? The opportunity of working with world-class faculty and excellent students.

Mahsa Ghasemi

Assistant professor

Electrical and Computer Engineering

mahsa@purdue.edu

From where are you coming? The University of Texas, Austin

Teaching interests: Control, learning, artificial intelligence and robotics.

Research interests: Task-oriented knowledge acquisition and reasoning, online learning and control, human-robot interaction, trustworthy artificial intelligence, socially and ethically beneficial autonomy.

Why choose Purdue? The opportunity to create global impact; excellent intellectual community; strong commitment to student success.

Leopold Green

Assistant professor

Biomedical Engineering

leogreen@purdue.edu

From where are you coming? Caltech in Pasadena, California.

Teaching interests: I am excited to lead students to discuss biomolecules' structure, function and potential applications.

Research interests: I am synthetic biologist engineering living therapeutics for microbiome applications.

Why choose Purdue? I appreciate the university's commitment to student and faculty support and the collaborative camaraderie of BME and other departments at Purdue.

Abolfazl Hashemi

Assistant professor

Electrical and Computer Engineering

abolfazl@purdue.edu

From where are you coming? The University of Texas, Austin

Teaching interests: Optimization, signal processing, machine learning.

Research interests: Optimization for machine learning and signal processing, networked and collaborative learning systems.

Why choose Purdue? Purdue has one of the most prestigious engineering programs in the world. I am excited about doing collaborative research with world-class colleagues!

Nusrat Jung

Assistant professor

Lyles School of Civil Engineering

nusratj@purdue.edu

From where are you coming? Aalto University, Finland

Teaching interests: Architectural engineering, thermodynamics, contaminant mass transport, building science, HVAC systems.

Research interests: Environmental sensing, zero emissions buildings, building disinfection, architectural engineering, net-zero energy buildings.

Why choose Purdue? Purdue has one of the best engineering programs in the United States!

Murat Kocaoglu

Assistant professor

Electrical and Computer Engineering

mkocaoglu@purdue.edu

From where are you coming? IBM Research, MIT-IBM Watson AI Lab

Teaching interests: Probability theory, probabilistic methods, machine learning, causal inference.

Research interests: Causal inference, machine learning, information theory, generative adversarial networks.

Why choose Purdue? Because Purdue has some of the best graduate students and very strong and collaborative faculty members in ECE.

Leifur Leifsson

Associate professor

Aeronautics and Astronautics

leifur@purdue.edu

From where are you coming? Iowa State University

Teaching interests: Aerospace systems design and optimization.

Research interests: Surrogate-based modeling and optimization, machine learning, systems design.

Why choose Purdue? My research and teaching interests fit well with the faculty and I am very excited to join such an excellent university.

Aravind Machiry

Assistant professor

Electrical and Computer Engineering

amachiry@purdue.edu

From where are you coming? University of California, Santa Barbara

Teaching interests: Computer security, operating systems, programming languages.

Research interests: System security, software security, machine learning for security, hardware security.

Why choose Purdue? One of the top places in my field and home for brilliant and welcoming faculty.

Arun Kumar Mannodi Kanakkithodi

Assistant professor

Materials Engineering

amannodi@purdue.edu

From where are you coming? Argonne National Laboratory

Teaching interests: Introduction to materials modeling, structure and properties of materials, electronic structure of materials, materials data science.

Research interests: Computational materials science, materials informatics, data-driven design of materials, semiconductor optoelectronics, machine learning and data science in materials science.

Why choose Purdue? Purdue is one of the best engineering schools in the country and the MSE department hosts some of the most notable names in materials research. The facilities, support of the department, and opportunities for collaborations with other science and engineering departments mean that the growth prospects for an early career MSE faculty at Purdue are immense.

Monique McClain

Assistant professor

Mechanical Engineering

mcclain5@purdue.edu

From where are you coming? Purdue University; Oak Ridge National Laboratories

Teaching interests: Thermodynamics, propulsion, additive manufacturing.

Research interests: Energetic materials, propulsion, additive manufacturing, anomaly detection.

Why choose Purdue? Because of the facilities and expertise (Zucrow, PERC, Herrick, etc.) and emerging opportunities (convergent manufacturing)

Kenshiro Oguri

Assistant professor (from January 2022)

Aeronautics and Astronautics

koguri@purdue.edu

From where are you coming? University of Colorado, Boulder

Teaching interests: Orbital mechanics, spacecraft guidance and control, orbit determination

Research interests: Spacecraft guidance, navigation, and control; space trajectory optimization; stochastic optimal control

Why choose Purdue? Excellence of colleagues, students, and collaborative research/teaching environments.

Caitlin Proctor

Assistant professor

Agricultural and Biological Engineering/Environmental and Ecological Engineering

proctoc@purdue.edu

Thomas Roth

Assistant professor

Electrical and Computer Engineering

rothte@purdue.edu

From where are you coming? Sandia National Laboratories

Teaching interests: Electromagnetics and quantum technology.

Research interests: Developing computational methods to design classical and quantum electromagnetic technologies.

Why choose Purdue? I was interested in transitioning to a faculty role and Purdue was the perfect opportunity. There are many faculty with related research interests, a culture of collaboration, strong undergraduate and graduate programs, and state-of-the-art facilities to help advance my research and teaching interests.

Akanshu Sharma

Associate professor

Lyles School of Civil Engineering

akanshusharma@yahoo.co.in

From where are you coming? University of Stuttgart, Germany [coming soon]

Teaching interests: Reinforced concrete structures, bond and anchorage, structural retrofitting, performance-based design.

Research interests: Reinforced concrete structures, bond and anchorage, structural retrofitting, performance assessment, extreme loading.

Why choose Purdue? Great reputation of Purdue in research and teaching. Matching profile and research interests, Inspiring names as faculty colleagues. Excellent laboratory facilities and great scope for realizing the research objectives.

Yu She

Assistant professor

Industrial Engineering

yushe@purdue.edu

From where are you coming? Massachusetts Institute of Technology

Teaching interests: Robotics, design, kinematics, dynamics.

Research interests: Robotics, mechanism design, tactile perception.

Why choose Purdue? Great collaboration opportunities and great students.

Lu Su

Associate professor

Electrical and Computer Engineering

lusu@purdue.edu

From where are you coming? State University of New York at Buffalo

Teaching interests: Computer systems.

Research interests: Internet of Things.

Why choose Purdue? World-class engineering program.

Brian Tackett

Assistant professor

Chemical Engineering

bmtacket@purdue.edu

From where are you coming? National Institute of Standards and Technology

Teaching interests: Chemical kinetics and electrochemistry.

Research interests: Electrocatalysis and carbon dioxide conversion.

Why choose Purdue? For the supportive and collegial research environment and for the opportunity to impact STEM education.

HEALTH AND HUMAN SCIENCES

Saleh Alshargi

Clinical assistant professor

Nursing

alshargi@purdue.edu

From where are you coming? West Coast University in California

Teaching interests: Critical care, physical assessment health, pharmacology.

Research interests: Health promotion, diabetes.

Why choose Purdue? Outstanding research, well-known school.

Annabelle Atkin

Assistant professor

Human Development and Family Studies

aatkin@purdue.edu

From where are you coming? Arizona State University

Teaching interests: Race and racism, Asian American psychology, multiracial psychology.

Research interests: Race and racism, multiracial and Asian American race-related development, racial-ethnic socialization in the family context, racial-ethnic identity, stereotype internalization, racial discrimination and coping, mental health and well-being, critical racial consciousness development among diverse youth and young adults.

Why choose Purdue? I was drawn to Purdue by the welcoming and supportive faculty, diverse student body, and the resources the university provides for faculty success.

Jenna Bednarski

Clinical assistant professor

School of Nursing

jbednars@purdue.edu

From where are you coming? Healthy Horizons Pediatrics

Teaching interests: Teaching has always been an important part of my life. I first became immersed in teaching in the military as a medic in the continuing education department. Later my role as a pediatric nurse led me to concentrate on educating parents and children about preventing illness/injuries and managing their health. Now, as an advanced practice registered nurse educator, my focus is on preparing the next generation of nurses to provide safe, timely, and compassionate care. As a professor of essentials of nursing practice, I am excited to teach students the importance of those essential and foundational elements of nursing. Through innovative curricula and my passion for nursing I hope to strengthen the nursing workforce, serve as a role model, and provide leadership needed to implement evidence-based practice. In the future I look forward to teaching additional courses on pediatrics, public health, and care of military children and families.

Research interests: As a nursing educator, I am interested in becoming a proficient nurse leader and mentor. I have seen the importance of providing safe, effective, and patient-centered care and know that pursuing a systems management focus will further improve the quality and outcomes of care. Currently as a DNP student, I study nursing theory to guide patient care and support nurses’ well-being. I am interested in researching care of the military child and family, pediatric primary care, mentorship in nursing, and undergraduate nursing education.

Why choose Purdue? Purdue University offers a collaborative learning environment, fostering development of higher-level thinking, oral communication, self-management, and leadership skills. Furthermore, its network of distinguished alumni, diverse student body, and both local and national prestige make it one of the best places to work. I look forward to working alongside experts from multiple disciplines within the College of Health and Human Sciences and across Purdue.

Guinevere Brandenburg

Clinical instructor

Nursing

gbranden@purdue.edu

From where are you coming? Franciscan Alliance

Why choose Purdue? I am a lifelong Boiler fan and Purdue grad. I have always been drawn to Purdue and to teaching/education. I have been working in the hospital setting for 25 years and am ready to work more in the world of education and academia.

Lauren Ema

Clinical assistant professor

School of Nursing

lema@purdue.edu

From where are you coming? Community Hospital Munster

Teaching interests: Assessment skills, therapeutic communication, family-centered care, perinatal and pediatric nursing, preventative/primary care, ethical health care decision-making.

Research interests: Family-centered care, lactation, primary care pediatrics, nursing education.

Why choose Purdue? To have the opportunity to form the clinical conscience of emerging nurses, to increase the nursing profession's interest and involvement in the needs of young families.

Jenn Finders

Assistant professor

Human Development and Family Studies

jfinders@purdue.edu

From where are you coming? Society for Research in Child Development

Teaching interests: Child development, research methods, early childhood education.

Research interests: Early education policy, classroom quality, school readiness, executive function, educational disparities.

Why choose Purdue? Purdue University offers excellent research support, teaching resources, and access to a diverse community of students and scholars.

Alvin Furiya

Clinical assistant professor/director of Didactic Program in Dietetics

Nutrition Science

afuriya@purdue.edu

From where are you coming?

Teaching interests:

Research interests:

Why choose Purdue? I am 1986 and 1998 Purdue graduate. It is a honor to join the Nutrition Science department and mold future dietitians.

Cynthia Garringer

Clinical assistant professor

Nursing

vogelcj@purdue.edu

Teaching interests: Maternal nursing, simulation, and online curriculum.

Research interests: Maternal nursing, especially maternal morbidity in the U.S. and use of simulation in nursing.

Why choose Purdue? Love the atmosphere at Purdue University and seeing the nursing program continuing to grow and flourish.

Wookjae Heo

Assistant professor

Hospitality and Tourism Management

heo28@purdue.edu

From where are you coming? South Dakota State University, University of Georgia

Teaching interests: Financial behavior, consumer decision making and consumers' financial well-being.

Research interests: Financial behavior of consumers, financial stress and consumers' welfare, data analysis in consumer sciences.

Why choose Purdue? Strong environment for research.

Randolph Hubach

Associate professor

Public Health

rhubach@purdue.edu

From where are you coming? Oklahoma State University

Teaching interests: I enjoy teaching and mentoring students (undergraduate and graduate) on addressing the social determinants of health which impact the health of individuals and community. This includes courses related to epidemiology, infectious diseases and cultural issues in health.

Research interests: My research interests include using community engaged principles to address sexuality-related health disparities, sexual behavior, LGBT population health, and HIV/AIDS within urban and rural communities.

Why choose Purdue? As the state’s land-grant university, Purdue University has focused on improving the lives and well-being of Hoosiers and those residing across the globe. This approach aligns with my core academic values.

Patrick Kerstein

Assistant professor

Health Sciences

pkerstei@purdue.edu

From where are you coming? Vollum Institute, Oregon Health & Science University

Teaching interests: Development, sensory neuroscience, neurotoxicology.

Research interests: Neural development, visual neuroscience, mouse genetics.

Why choose Purdue? I was impressed with the amount of collaboration between research laboratories and breadth of research interests among the neuroscience and life science faculty.

Cody Mullen

Clinical associate professor

Public Health

cjmullen@purdue.edu

From where are you coming? Indiana Rural Health Association

Teaching interests: Health policy, health management, health services research.

Research interests: Access, quality and cost of health care for vulnerable populations.

Why choose Purdue? I did my undergrad at Purdue and excited to see the growth of the Public Health department.

Laura Murray-Kolb

Professor and department head

Nutrition Science

lmurrayk@purdue.edu

From where are you coming? Penn State

Teaching interests: Nutrition and disease, global nutrition, public health.

Research interests: Iron deficiency, micronutrients and development, mother/child interaction, neurophysiology.

Why choose Purdue? Nutrition Science has a very strong reputation at Purdue University and the faculty are world-renowned. Having the potential to positively impact the next generation of nutrition scientists is very rewarding.

Rodney Runyan

Associate department head and professor

Consumer Science

rcrunyan@purdue.edu

From where are you coming? Sam Houston State University

Teaching interests: Retailing, entrepreneurship, research methods

Research interests: small business orientation, management theory, downtown retail districts

Why choose Purdue? Excellent university and good fit to my teaching/research

Matthew Scarpelli

Assistant professor

Health Sciences (medical physics)

mscarpel@purdue.edu

From where are you coming? Barrow Neurological Institute

Teaching interests: Radiation in health and medicine.

Research interests: Diagnostic and therapeutic applications of radiation in medicine.

Why choose Purdue? Great environment for teaching and research.

Rosie Shrout

Assistant professor

Human Development and Family Studies

shrout@purdue.edu

From where are you coming? Ohio State University

Teaching interests: Romantic and family relationships, stress and coping, adulthood and aging, biobehavioral health.

Research interests: How stress in relationships affects psychological, behavioral, and physical health across the life span.

Aaron Specht

Assistant professor

Health Sciences

aspecht@purdue.edu

From where are you coming? Harvard University

Teaching interests: My teaching interests are primarily in health physics with goals to develop new courses to supplement the current curricula.

Research interests: My research is in development and application of instruments to measure exposure to elements (like lead and mercury) and radiation in health studies and understanding the human health impacts of these exposures.

Why choose Purdue? Purdue and my department have such a great diverse research interest. The campus has someone interested in anything and collaborators are around every corner. My department perfectly supplements my skills with toxicologists, environmental health scientists, and epidemiologists to explore the beginnings of exposure mechanisms, all the way to understanding those exposures in cohort studies.

Sydney Trask

Assistant professor

Psychological Sciences

smtrask@purdue.edu

From where are you coming? The University of Wisconsin-Milwaukee

Teaching interests: I love to teach about the basic science of learning and memory and how we can use elegant experimental designs to study these processes.

Research interests: I study the ways in which the brain acquires, stores, retrieves, and updates aversive memories with a particular emphasis on how these processes change with age.

Why choose Purdue? I chose Purdue because I am excited to be part of the supportive, collaborative research environment here.

Mark Wilson

Clinical assistant professor

Health Sciences

wilso774@purdue.edu

From where are you coming? I have been a limited-term lecturer at Purdue for several years.

Teaching interests: Occupational health and safety.

Research interests: Health effects associated with occupational and environmental exposures.

Why choose Purdue? I am a Purdue alum and want to help maintain the high-quality program in Occupational Health Sciences.

HONORS COLLEGE

Nathan Swanson

Clinical assistant professor

Honors College

swanso64@purdue.edu

From where are you coming? Postdoc at Purdue, previously a visiting assistant professor at Texas A&M University and Sewanee: The University of the South

Teaching interests: Maps, geopolitics, migration, culture/politics of the Middle East, culture/politics of Europe, polar regions, intercultural learning, study abroad.

Research interests: Migration studies, critical cartography, feminist geopolitics, postcolonial studies, Middle East, Europe, scholarship of teaching and learning (international students, study abroad, international education, belonging/DEI).

Why choose Purdue? My incredible experience as a postdoc in the Purdue Honors College.

Anish Vanaik

Clinical associate professor

Honors College

avanaik@purdue.edu

From where are you coming? I'm coming, most recently, from OP Jindal Global University in India, where I taught history.

Teaching interests: I teach a variety of interdisciplinary courses including about political cartoons, the climate crisis, and the histories of capitalism and socialism.

Research interests: I study urban history, political cartoons, and the history of Left movements in South Asia.

LIBERAL ARTS

David Blon

Clinical assistant professor

Bands & Orchestras

dblon@purdue.edu

From where are you coming? West Virginia Wesleyan College

Teaching interests: Music!

Research interests: Film music and wind literature.

Why choose Purdue? Wonderful colleagues and tradition of excellence in the band program.

Gabriel Rios-Rojas

Clinical assistant professor

Spanish and Portuguese

griosroj@purdue.edu

From where are you coming? Millicom International

Teaching interests: My teaching interest is to provide students with the tools and raw materials to do the job. In this way, they can learn skills, critical thinking, and effective communication to work alone or in groups.

Research interests: My research interest, as an engineer, is the technology and looking for the best way to teach these subjects to students.

Why choose Purdue? I was working as a limited-term lectuer at Purdue. So I know the environment at this university, and I love it!This is a great opportunity to share knowledge with others.

Zach Warner

Assistant professor

Political Science

zachwarner@purdue.edu

From where are you coming? Cardiff University

Teaching interests: Comparative politics, political methodology, data science.

Research interests: Inequality and representation, institutional design, machine learning.

Why choose Purdue? Strong department and compatibility of my research/teaching interests.

MANAGEMENT

Franco Berbeglia

Assistant professor

Management

fberbe@purdue.edu

From where are you coming? Carnegie Mellon University, Tepper School of Business

Teaching interests: I am interested in teaching management in general. I enjoy teaching students how to use data to better inform business practices and execute better decisions. I am very interested in comibining my research focus in entertainment and digital markets with my coursework, as this research area is an endless pool of innovative and exciting problems.

Research interests: My research interests lie in the interface between operations management and marketing. In particular, I am interested in problems that are pertinent to the entertainment industry and digital markets, such as optimal release timing strategies, ranking optimization under social influence, and piracy. My work centers on structural modeling and game theory, which allows the development of optimal strategies using counterfactual and equilibrium analysis.

Why choose Purdue? Because Purdue University is a top research institution and I see a lot pontential for the development of my career. I appreciate the way in which Purdue fosters interdisciplinary research, and I am very excited of becoming a part of it.

Shuaiyu Chen

Assistant professor

Management (finance)

chen4144@purdue.edu

From where are you coming? University of Rochester

Teaching interests: Investment management.

Research interests: Empirical asset pricing and asset management.

Why choose Purdue? Excellent teaching and research environment.

Mario Crucini

Professor

Economics

mcrucini@purdue.edu

From where are you coming? Vanderbilt University

Teaching interests: Macroeconomics, international trade, econometrics, finance.

Research interests: Business cycles at the international, national and county level, commercial policy, fiscal policy and the Great Depression.

Why choose Purdue? Excellent reputation and support for frontier research and teaching, mission of a public university and great collegial atmosphere.

Seungki Hong

Assistant professor

Economics

hong397@purdue.edu

From where are you coming? Columbia University

Teaching interests: Macroeconomics.

Research interests: Macroeconomics.

Why choose Purdue? Purdue is a wonderful place to start a career as an economist.

Jennifer Linvill

Visiting assistant professor

Management (organizational behavior/human resources)

jlinvill@purdue.edu

From where are you coming? Purdue University

Teaching interests: Organizational behavior, leadership, negotiations and decision making.

Research interests: Destructive workplace behaviors, organizational communication and teams.

Why choose Purdue? Purdue’s commitment to excellence in research, teaching and innovation.

Ha Nguyen

Assistant professor

Management

nguyenhd@purdue.edu

From where are you coming? I was coming from Indiana University.

Teaching interests: Corporate finance.

Research interests: Household finance, corporate finance.

Why choose Purdue? Great colleagues and preference for location.

Pengyu Qian

Visiting assistant professor

Management (supply chain and operations management)

qianp@purdue.edu

From where are you coming? Columbia University, Graduate School of Business

Teaching interests: Operations management, business analytics.

Research interests: Market design, sharing economy and platforms, stochastic modeling, online algorithms.

Why choose Purdue? Distinguished colleagues, vibrant research community, and collegial environment.

Amir Sariri

Assistant professor

Strategic Management

asariri@purdue.edu

From where are you coming? University of Toronto

Teaching interests: Entrepreneurial strategy, technology transfer, entrepreneurial finance.

Research interests: Entrepreneurial strategy, economics of science, venture capital.

Why choose Purdue? For the opportunity to work with world-class scholars in an institution with a rich history of making profound positive impacts on the prosperity of humankind.

Dejanir Silva

Assistant professor

Management (finance)

silva87@purdue.edu

From where are you coming? University of Illinois, Urbana-Champaign

Teaching interests: Asset pricing, investments, macro finance.

Research interests: Macro finance, financial intermediation, monetary policy.

Why choose Purdue? I believe there are a lot synergies between my research interests and the work of the finance faculty at Purdue. I am confident this is a great place for me to thrive and develop my research even further.

Colin Sullivan

Assistant professor

Economics

sulli360@purdue.edu

From where are you coming? I have just finished a postdoc at Stanford University.

Teaching interests: I'll be teaching a course in Experimental Economics this semester.

Research interests: Experimental economics, labor economics and market design.

Why choose Purdue? I chose Purdue because of its great community of researchers and reputation for innovation.

Meredith Woehler

Assistant professor

Management (organizational behavior/human resources)

mwoehler@purdue.edu

From where are you coming? Portland State University

Teaching interests: Organizational behavior, network analysis.

Research interests: Gender, networking, networks.

Why choose Purdue? Incredibly productive faculty and great doctoral program.

Yuan Yuan

Assistant professor

Management

yuanyuan@purdue.edu

From where are you coming? MIT

Teaching interests: Data science, information systems.

Research interests: Social networks, social media, causal inference, machine learning.

Why choose Purdue? Because of the excellent research environment here!

Ruihao Zhu

Assistant professor

Management (supply chain and operations management)

rhzhu@purdue.edu

Teaching interests: Business analytics, machine learning.

Research interests: Machine learning and experimental design.

PHARMACY

Hyunyoung Jeong

Professor

Industrial and Physical Pharmacy

youngjeong@purdue.edu

From where are you coming? Chicago

Research interests: Gut microbiome.

Why choose Purdue? Excellent research environment.

POLYTECHNIC INSTITUTE

Milton Aguirre

Assistant professor

Mechanical Engineering Technology

meaguirr@purdue.edu

From where are you coming? Delft University of Technology (Netherlands), Pennsylvania State University, Med-Tech StartUp

Teaching interests: Capstone, compliant mechanisms, strength of materials, finite modeling, optimization.

Research interests: Compliant mechanisms, human factors, product design and development.

Why choose Purdue? Purdue's commitment to engage faculty and students in the applied sciences.

Smriti Bhatt

Assistant professor

Department of Computer and Information Technology

bhatt32@purdue.edu

From where are you coming? Texas A&M University-San Antonio

Teaching interests: Cybersecurity, Internet of Things (IoT) and cloud computing security.

Research interests: IoT and cloud/edge security and privacy, cyber physical systems (CPS), access control models, communication control models, industries of the future.

Why choose Purdue? Being a part of Purdue faculty will enable me to conduct high-impact research in cybersecurity field and contribute toward providing world-class education and impact in the community.

Adel El-Shahat

Assistant professor

School of Engineering Technology

asayedah@purdue.edu

From where are you coming? Georgia Southern University

Teaching interests: Energy systems, power electronics, smart grids, electric vehicles, energy storage, electric machines, power system, electric circuits, and control.

Research interests: Smart nano and micro-grids; wireless charging of electric vehicles; deep learning techniques; distributed generation systems; thermoelectric generation; special power electronics converters; electric vehicles operation and design; special purposes electric machines design/operation/control; renewable energy systems; power systems analysis/operation/stability/demand management/control; energy storage and conservation; optimization techniques; neural networks/ predictive modeling; and engineering education.

Why choose Purdue? It is one of my dreams to join Purdue University as one of the best and greatest universities in the nation and the world to achieve my future goals. It is the perfect place to be more successful and to make the impact as a researcher and educator. Additionally, I have many other reasons related to my position itself.

Miad Faezipour

Associate professor

School of Engineering Technology

mfaezipo@purdue.edu

From where are you coming? Before joining Purdue University, I have served the Computer Science & Engineering and Biomedical Engineering programs of the University of Bridgeport, Connecticut, as a faculty member for 10 years. I have also been a postdoctoral research associate and instructor at the University of Texas at Dallas (UTD) after receiving my Ph.D. in electrical engineering from UTD.

Teaching interests: I have passion for teaching digital systems-oriented subjects such as digital systems, embedded system design, and field programmable gate arrays at both undergraduate and graduate/advanced levels.

Research interests: My research interests primarily focuses on health care technology with embedded intelligence which includes areas such as digital/biomedical embedded hardware/software co-designs, biomedical signal/image processing, computer vision and healthcare/biomedical informatics, artificial intelligence (AI) and AI-based bio-data augmentation.

Why choose Purdue? The fascinating programs, forefront faculty and wonderful community with endless collaboration opportunities at Purdue University intrigued me the most. I am thrilled that Purdue is so highly regarded worldwide, and am really excited to take this big step in my career joining Purdue as a highly ranked top R1 institution, with world-class faculty and talented students. This is an excellent opportunity for me to help shape and contribute to the technological distinction of Purdue and the School of Engineering Technology in a creative way. I have deep interests in research and teaching and will continue to develop professionally in ways that support students and contribute to Purdue’s efforts on excellence, innovation and inclusivity.

Nandhini Giri

Assistant professor

Computer Graphics Technology, human computer interaction

girin@purdue.edu

From where are you coming? Indiana University Bloomington

Teaching interests: Human-centered approaches to computer graphics content development and interactive entertainment systems design.

Research interests: Expertise development in gaming and interactive entertainment industry practices.

Why choose Purdue? Hands-on education, real-world problem solving and a global perspective makes Purdue my best choice!

Brandon Grant

Assistant professor

Technology Leadership and Innovation

bcgrant@purdue.edu

From where are you coming? the University of Illinois, Urbana-Champaign

Teaching interests: Human resources analytics and employment relations.

Research interests: Labor union pension fund shareholder activism, cooperation and defection in social dilemmas.

Why choose Purdue? Joining the multidisciplinary program in TLI at the Polytechnic Institute is a dream job for HR scholars, and the folks in the department are extraordinary. I am so excited to share in their experience and help facilitate the growth of the HRD program!

Ashley Habig

Clinical associate professor

Aviation and Transportation Technology

rader1@purdue.edu

From where are you coming? Purdue University

Teaching interests: Aviation materials and manufacturing and maintenance practices.

Research interests: Lean Six Sigma.

Why choose Purdue? I loved my time at Purdue and wanted to pass on the love for my industry to future professionals.

Garam Kim

Assistant professor

Aviation and Transportation Technology

kim1652@purdue.edu

From where are you coming? Composites Manufacturing and Simulation Center (CMSC) at Purdue University

Teaching interests: Composite technology, aircraft material and structure.

Research interests: Aircraft structure, composite material, composite manufacturing and machining.

Why choose Purdue? Good aviation program, advanced learning and teaching environment, and abundant resource for teaching and research.

Derek Larson

Assistant professor

Computer Graphics Technology

dglarson@purdue.edu

From where are you coming? Georgia Southern University

Teaching interests: Animation and motion graphics.

Research interests: The intersection of 2D documentary animation, art history and philosophy.

Why choose Purdue? Research support, program ranking and excellent students.

Tianyi Li

Assistant professor

Computer Information Technology

li4251@purdue.edu

From where are you coming? I got my PhD in computer science from Virginia Tech. Before joining Purdue, I was an assistant professor of computer science at Loyola University in Chicago.

Teaching interests: Web programming, human computer interaction.

Research interests: Crowdsourcing, computer-supported collaborative work, interactive user interface.

Why choose Purdue? The mission and vision of the Purdue Polytechnic Institute resonates with me. What I'm looking for is a department that I can add value to, and that I can conduct applied HCI research and teaching, where I can join a strong and collegiate community.

Deepak Nadig

Assistant professor

Computer and Information Technology

nadig@purdue.edu

From where are you coming? University of Nebraska-Lincoln

Teaching interests: Computer networks, cloud computing and network security.

Research interests: Software defined networks, network virtualization and cybersecurity.

Why choose Purdue? Purdue is well-known for great computer networking research, has a diverse student population and presents many opportunities for collaboration.

Gaurav Nanda

Assistant professor

Engineering Technology

gnanda@purdue.edu

From where are you coming? Purdue University

Teaching interests: Operations management, supply chain, human factors, inventory management, lean and sustainable systems.

Research interests: Text mining, applied machine learning, industry 4.0, safety, health care analytics, learning technologies.

Why choose Purdue? Purdue has a vibrant academic environment with a diverse population of faculty, researchers, and students. It offers unique opportunities for exploring impactful interdisciplinary ideas and professional growth.

Romila Pradhan

Assistant professor

Computer and Information Technology

rpradhan@purdue.edu

From where are you coming? University of California, San Diego

Teaching interests: Databases, data management, machine learning.

Research interests: Data management, responsible data science.

Why choose Purdue? Purdue has a vibrant academic community and has a strong presence in database and machine learning research that aligns well with my research interests.

Laurent Rouaud

Assistant professor

Aviation and Transportation Technology

lrouaud@purdue.edu

From where are you coming? GE Aviation, Airbus, McDonnell Douglas, University of Cincinnati

Teaching interests: Economic, business, marketing, aviation.

Research interests: Accelerating hybrid electric in commercial aviation.

Why choose Purdue? Best aviation school, great fit with my teaching philosophy and transformational education, best place to conduct my research.

Winston Sealy

Assistant professor

Engineering Technology

dwsealy@purdue.edu

From where are you coming? Minnesota State University

Teaching interests: Design, automation and metrology.

Research interests: Design and computer-integrated manufacturing.

Why choose Purdue? Purdue presented an excellent opportunity to collaborate with like-minded faculty in influencing and impacting the techie experience.

Paul Strickland

Assistant professor

Aviation and Transportation Technology

pstrickl@purdue.edu

From where are you coming? American Airlines

Teaching interests: Professional flight and interrelated safety aspects.

Research interests: Holistic safety and security

Why choose Purdue? Teach and mentor SATT students.

Melaku Tadesse

Clinical associate professor

Aviation and Transportation Technology

meltadesse@purdue.edu

From where are you coming? Aviation industry

Teaching interests: Aviation courses.

Research interests: Aviation safety and aviation learning.

Why choose Purdue? The order opportunity to conduct research and academic development.

Chengcheng Tao

Assistant professor

Construction Management Technology

tao133@purdue.edu

From where are you coming? DOE National Energy Technology Laboratory

Teaching interests: Mechanics.

Research interests: Construction materials, sustainable infrastructure.

Why choose Purdue? Purdue has great faculty and facility, which is a perfect place to start my career.

Sudip Vhaduri

Assistant professor

Computer and Information Technology

svhaduri@purdue.edu

From where are you coming? Fordham University

Teaching interests: ML, AI, smart health, user authentication, mobile and wearable computing, data science.

Research interests: Smart health, user authentication, mobile and wearable computing, data science.

Why choose Purdue? Quality research, teaching, and leadership opportunity.

SCIENCE

Antik Chakraborty

Assistant professor

Statistics

antik015@purdue.edu

From where are you coming? Duke University

Teaching interests: Statistical methods, computational statistics, Bayesian statistics.

Research interests: Bayesian nonparametrics, scalable Bayes, high-dimensional data.

Why choose Purdue? The statistics department is globally recognized in the community for its research. It's a great place to start my career.

Ming Chen

Assistant professor

Chemistry

chen4116@purdue.edu

From where are you coming? Lawrence Berkeley National Laboratory

Teaching interests: Teaching theoretical courses in physics and chemistry.

Research interests: Machine learning-based methods in theoretical and computational chemistry.

Why choose Purdue? Nice environment and friendly people. Nice program that unifies data science and physical sciences.

Yuan Gao

Assistant professor

Mathematics

gao662@purdue.edu

From where are you coming? Duke University

Teaching interests: Optimization, calculus of variations.

Research interests: Applied stochastic analysis and PDE in materials sciences.

Why choose Purdue? Innovative and inclusive.

Kaitlyn Hood

Assistant professor of practice

Mathematics

kthood@purdue.edu

Nianqiao Ju

Assistant professor

Statistics

nianqiao@purdue.edu

From where are you coming? I graduated from Harvard University this May.

Teaching interests: Computational statistics; statistical inference.

Research interests: Agent-based models; monte carlo methods.

Why choose Purdue? I am looking for an open, collaborative and supportive research environment.

Anuran Makur

Assistant professor

Computer Science and Electrical and Computer Engineering

amakur@purdue.edu

From where are you coming? MIT

Teaching interests: Probability, statistics, machine learning, information theory, signal processing.

Research interests: Theoretical statistics and machine learning, information theory, applied probability.

Why choose Purdue? Excellence in science and engineering.

Lauren Ann Metskas

Assistant professor

Biological Sciences (75%) / Chemistry (25%)

lmetskas@purdue.edu

From where are you coming? California Institute of Technology

Teaching interests: I enjoy getting students excited about the underlying physical and chemical aspects of biological systems, and how we use technology and critical thinking to study them.

Research interests: I am interested in how compositional and conformational heterogeneity affect the function of protein ultrastructures. This has broad applications in virology and immunology, cardiac disease, carbon fixation and many more.

Why choose Purdue? Purdue is well-equipped to tackle these questions thanks to a state-of-the-art Cryo-EM facility and a strong history of structural virology.

Phil Mummert

Associate professor of practice

Mathematics

pmummert@purdue.edu

From where are you coming? Purdue University in a lecturer/administrative role.

Teaching interests: Large lecture Calculus and nearly any undergraduate math major course

Research interests: Discrete dynamics and complex analysis.

Why choose Purdue? I saw this as an opportunity to teach more students.

Barry Pittendrigh

Professor

Entomology

pittendr@purdue.edu

Di Qi

Assistant professor

Mathematics

qidi@purdue.edu

From where are you coming? New York University

Teaching interests: Math and statistics.

Research interests: Applied and computational math.

Why choose Purdue? To advance my research.

Muhammad Shahbaz

Assistant professor

Computer Science

mshahbaz@purdue.edu

From where are you coming? Stanford University

Teaching interests: Computer systems and networks.

Research interests: Programmable architectures for emerging domains (e.g., self-driving networks, serverless computing, and 5G).

Why choose Purdue? Due to its stellar first-class faculty and research.

Alexandria Volkening

Assistant professor

Mathematics

avolkening@purdue.edu

From where are you coming? Northwestern University

Teaching interests: I enjoy teaching courses in applied math, especially differential equations and data-driven modeling, and mentoring student research.

Research interests: My interests are in applied dynamical systems and mathematical biology. I develop models and methods to better understand complex systems in diverse areas, including animal-skin patterns, election forecasting, and pedestrian movement.

Why choose Purdue? Purdue Mathematics has an excellent, broad-minded research environment, talented students, and a friendly, supportive community. The university's growing focus on data science is exciting, and I look forward to building interdisciplinary collaborations across departments at Purdue.

Fei Xue

Assistant professor

Department of Statistics

feixue@purdue.edu

From where are you coming? University of Pennsylvania

Teaching interests: Statistics.

Research interests: Data integration, missing data, statistical genetics.

Why choose Purdue? I like the stat department!

Tianyi Zhang

Assistant professor

Computer Science

tianyi@purdue.edu

From where are you coming? Previously, I was a postdoctoral fellow in computer science at Harvard University. Before that, I did my PhD in computer science at University of California, Los Angeles.

Teaching interests: Human-computer interaction, software engineering, data mining.

Research interests: Human-computer interaction, software engineering, artificial intelligence.

Why choose Purdue? Purdue University has a great reputation in science and engineering. In particular, I am very excited about the excellent research environment and many collaboration opportunities with the stellar faculty and great students in the Computer Science department.

Yongle Zhang

Assistant professor

Computer Science

yonglezh@purdue.edu

From where are you coming? University of Toronto

Teaching interests: Distributed systems.

Research interests: Distributed systems, debugging.

Why choose Purdue? Purdue Computer Science department is one of the best in the world.

VETERINARY MEDICINE

Luis Dos Santos

Assistant professor

Veterinary Clinical Sciences (small animal medicine, cardiology)

dossantos@purdue.edu

From where are you coming? Tufts Cummings School of Veterinary Medicine

Teaching interests: Cardiovascular physiology, arrhythmias.

Research interests: Arrhythmia, cardiovascular diseases, hemodynamics, nutritional supplements for cardiac diseases.

Why choose Purdue? Support for clinical research in animals with cardiovascular diseases, opportunity for collaboration with other departments, good caseload in the veterinary hospital which can provide our students enough exposure for appropriate learning of the cardiovascular system.

Jessica Fortin

Assistant professor

Basic Medical Sciences

fortinj@purdue.edu

From where are you coming? Michigan State University.

Teaching interests: Pharmacology, physiology, pathology.

Research interests: Neuroscience drug discovery.

Why choose Purdue? Purdue offers excellent education and has groundbreaking research activities in many areas, including drug discovery.

Anna McManamey

Assistant clinical professor

Veterinary Clinical Sciences (cardiology)

akmcmana@purdue.edu

From where are you coming? University of Missouri, the Ohio State University, and North Carolina State University

Teaching interests: Medical therapy for stable and emergency CHF, interventional therapy of congenital heart disease and pacemaker implantation, student teaching and house officer training.

Research interests: Clinical studies regarding medical therapy and echosonography.

Why choose Purdue? I was seeking a family environment with a positive energy and the opportunity for advancement. I also wanted to be involved in a place that believed in teaching excellence to train the next generation.

Allyson Sterman

Clinical assistant professor

Veterinary Clinical Sciences (soft tissue small animal surgery)

asterman@purdue.edu

From where are you coming? Texas A&M University College of Veterinary Medicine

Teaching interests: Minimally invasive surgery and wound management.

Research interests: Wounds and surgical oncology.

Why choose Purdue? Chance to help expand the soft tissue surgery program.

Shankar Thangamani

Assistant professor

Comparative Pathobiology (microbiology)

sthangam@purdue.edu

From where are you coming? Midwestern University

Teaching interests: Microbiology.

Research interests: Bacteria and fungi.

Sarah Waxman

Assistant clinical professor

Veterinary Clinical Sciences

swaxman@purdue.edu

From where are you coming? Previously a visiting clinical assistant professor here at Purdue

Teaching interests: Equine veterinary medicine, equine sports medicine.

Research interests: Equine surgery.

Why choose Purdue? Supportive environment, excellent reputation for equine veterinary services provided by hospital and ambulatory section, and to help educate the next generation of equine veterinarians.