Agriculture

Aryn M. Dotterer
Youth Development and Agricultural Education
See listing under CFS

Jeffrey S. Dukes
Assistant professor
Forestry and Natural Resources, and Biological Sciences
jsdukes@purdue.edu
Degree: Ph.D., Stanford Univ.
Previously at: Univ. of Massachusetts Boston
Teaching area: How does nature work? How are we changing it? What are the consequences?
Research interests: My lab studies the responses of natural systems to global environmental changes such as climate change. We conduct ecological research at the community, ecosystem, and global scales.
Why Purdue? Great colleagues. Institutional focus on global change research. Sense of community.

Tomas O. Hook
Assistant professor
Forestry and Natural Resources
thook@purdue.edu
Degree: 2005, Univ. of Michigan
Previously at: Univ. of Michigan
Teaching area: I emphasize holistic and synthetic teaching, with an emphasis on fish and aquatic ecology.
Research interests: I am broadly interested in why fish populations vary over space and time. I utilize a variety of methods to elucidate fish population dynamics, including simulation modeling and field studies.
Why Purdue? Purdue's mission and resources facilitate the exploration of ecological questions at the interface between basic and applied perspectives, and the state of Indiana encompasses a range of interesting aquatic ecosystems.

T.J. (Joe) Kappock
Assistant professor
Biochemistry
kappock@purdue.edu
Degree: Ph.D., 1996, Yale Univ.
Previously at: Washington Univ. in St. Louis
Teaching area: Biochemistry, biological chemistry, and bioinorganic chemistry.
Research interests: Mechanistic enzymology; resistance strategies in acidophilic bacteria
Why Purdue? I have a background in chemistry departments. Moving here has placed me in a setting with smart colleagues and a much stronger biological focus.

Torbert R. Rocheford
Professor of plant genetics
Agronomy
torbert@purdue.edu
Degree: Ph.D., 1986, Univ. of Nebraska-Lincoln
Previously at: Univ. of Illinois
Teaching area: Teach a combined undergraduate and graduate second course in genetics with emphasis on applications.
Research interests: Research embraces interface of maize breeding and molecular genetics. Traits include plant architecture, grain yield and grain composition; specifically grain suitability for ethanol production, and nutritional composition including provitamins A and antioxidants.
Why Purdue? I was impressed with the people on campus, importantly the congenial, collegial and cooperative atmosphere that permeates this place. That and a nice endowed chair made it very attractive.

Consumer and Family Sciences

G. Jonathon Day
Assistant professor
Hospitality and Tourism Management
gjday@purdue.edu
Degree: Ph.D., 2006, James Cook Univ. (Australia); M.B.A., 1997, UCLA
Previously at: Corporate
Teaching area: Sustainable tourism and hospitality practices; international management; marketing.
Research interests: Destination branding; sustainable tourism, sustainable hospitality; destination development.
Why Purdue? I was attracted by the Purdue philosophy of world class research and real-world problem solving. In transitioning from corporate to academia I wanted to join the premier tourism and hospitality team and contribute to its continued success.

Aryn M. Dotterer
Assistant professor
Child Development and Family Studies; Youth Development and Agricultural Education
dotterer@purdue.edu
Degree: Ph.D., 2006, The Pennsylvania State Univ.
Previously at: Postdoctoral fellow, Univ. of North Carolina
Teaching area: Child and adolescent development, families in a multicultural society, child development in the context of family relationships
Research interests: I am particularly interested in gender, race/ethnicity, and socioeconomic variations in children's and adolescents' school engagement and academic achievement, with attention to the role that families play in parenting and socialization.
Why Purdue? I am thrilled to be at a world-class university and in a department that is committed to improving the lives of children and families through research, practice and policy.

Li Miao
Assistant professor
Hospitality and Tourism Management
lmiao@purdue.edu
Degree: Ph.D., 2008, Penn State Univ.
Previously at:
Teaching area: Hotel operations
Research interests: Consumer behavior associated with service consumptions
Why Purdue? The HTM program at Purdue is one of the leading programs in the field. I am privileged to join a team with a strong commitment to teaching and research excellence.

Education

Rachael H. Kenney
Curriculum and Instruction
See listing under Science

Jill A. Newton
Assistant professor
Curriculum and Instruction
janewton@purdue.edu
Degree: 2008, Michigan State Univ.
Previously at:
Teaching area: I am interested in secondary mathematics teaching and learning.
Research interests: My research interests include the enactment of mathematics curriculum, curriculum policy, secondary mathematics teacher education, and equity in mathematics education.
Why Purdue? I chose Purdue for its strong reputation in mathematics education research and to be close to my family.

Engineering

Kartik B. Ariyur
Assistant professor
Mechanical Engineering
kariyur@purdue.edu
Degree: Ph.D., 2002, Univ. of California, San Diego
Previously at: Honeywell Labs, Minneapolis

Teaching area: Control systems, systems analysis (linear, nonlinear, adaptive), measurements, signal processing, dynamics, inventive problem solving.
Research interests: Theory: Nonlinear filtering, prediction and control, adaptive control, and dynamic optimization.
Applications: Propulsion systems, sensor networks, cellular telephony, inertial navigation, health monitoring, integrated surveillance systems, path planning.
Why Purdue? It has an environment of open communication, cross collaboration and extensive connections to industry. A location sufficiently far from major cities will help the students keep their focus.

Cordelia M. Brown
Assistant professor
Electrical and Computer Engineering, and Engineering Education
brown83@purdue.edu
Degree: Ph.D. in electrical engineering, 2005, Vanderbilt Univ.
Teaching area: My teaching interests are in digital system design, and professional development skills for engineering students.
Research interests: My research interests are in the areas of fault tolerant systems, digital system design, learning models, assessment of instructional methods, and recruitment and retention initiatives in electrical and computer engineering.
Why Purdue? I chose Purdue because of the vast opportunities to combine my electrical engineering research interests with my engineering education research interests.

Jun Chen
Assistant professor
School of Mechanical Engineering
junchen@purdue.edu
Degree: Ph.D., 2005, Johns Hopkins Univ.
Teaching area: Fluid mechanics, experimental fluid mechanics
Research interests: Development and application of experimental techniques in engineering and applied flow research

L. Niklas E. Elmqvist
Assistant professor
School of Electrical and Computer Engineering
elm@purdue.edu
Degree: Ph.D., 2006, Chalmers Univ. of Technology, Sweden
Previously at: INRIA, Paris, France
Teaching area: Visualization, human-computer interaction, computer graphics, and computer game development.
Research interests: My research areas include information visualization, human-computer interaction, visual analytics, and computer graphics. I am interested in designing methods and tools that help analysts manage and understand massive datasets.
Why Purdue? Purdue has an excellent reputation with strong faculty working in my area, visualization. The campus is great and I like the atmosphere of university towns like West Lafayette!

Sivanandan S. Harilal
Research assistant professor
Nuclear Engineering
harilal@purdue.edu
Degree: Ph.D. (1998, Cochin Univ. of Science and Technology)
Previously at: Argonne National Laboratory
Teaching area: Laser technology, plasma physics, plasma diagnostics, laser-matter interaction physics
Research interests: Laser-matter interaction, laser-produced plasma applications, in-situ surface characterization techniques, plasma light sources, EUV lithography, high-energy density physics, plasma diagnostics
Why Purdue? Internationally renowned university

Brent K. Jesiek
Assistant professor
School of Engineering Education; School of Electrical and Computer Engineering
bjesiek@purdue.edu
Degree: 2006, Virginia Tech

Previously at: Virginia Tech
Teaching area: Introduction to engineering; engineering cultures; engineering studies; engineering epistemologies; history and philosophy of engineering education
Research interests: Historical and social studies of electrical engineering, computer engineering, and engineering education; global engineering education and global competency; open source software and hardware; science and technology studies (STS)
Why Purdue? First, an impressive reputation and profile, both nationally and internationally. Second, opportunities for high impact teaching and research. And third, an environment where students and faculty are challenged to succeed and excel.

Julie C. Liu
Assistant professor
School of Chemical Engineering
julieliu@purdue.edu
Degree: Ph.D., 2006, California Institute of Technology
Previously at: Postdoctoral fellowship at Univ. of Massachusetts Medical School
Teaching area: Tissue engineering class with an emphasis on protein engineering and other biomolecular approaches.
Research interests: My goal is to engineer biomimetic materials that direct specific cellular responses. In particular, my research focus will design artificial proteins to direct bone and cartilage regeneration.
Why Purdue? I am excited by the strong engineering tradition and look forward to working with the bright and talented students Purdue attracts!

Timothée L. Pourpoint
Research assistant professor
Aeronautics and Astronautics
timothee@purdue.edu
Degree: Ph.D., 2005, Purdue Univ.
Previously at: Purdue Univ.
Teaching area: Rocket propulsion (focus on liquid propellants and ignition systems)
Research interests: Rocket propulsion (ignition), high pressure systems, propellant storage (specifically hydrogen storage)
Why Purdue? Excellent engineering school and research facilities

Ming Qu
Assistant professor
Civil Engineering
mqu@purdue.edu
Degree: 2008, Carnegie Mellon Univ.
Teaching area: Energy efficiency and sustainable building design, building control system, building energy supply system, thermal analyses, building system modeling
Research interests: Solar cooling and heating system; energy efficiency in building system; indoor air quality; sustainable and healthy built environments
Why Purdue? Purdue is an excellent engineering school.

Anand Raghunathan
Professor
Electrical and Computer Engineering
raghunathan@purdue.edu
Degree: Ph.D., 1997, Princeton Univ.
Previously at: NEC Research Labs, Princeton, N.J.
Teaching area: VLSI processing architectures, embedded system design, electronic design automation, low-power design.
Research interests: System-on-chip (SoC) architecture and design methodologies, application specific and domain-specific VLSI processing architectures, embedded systems, low-power design, information security and trust in embedded system and SoC design, electronic design automation.
Why Purdue? The opportunity to work with high-caliber faculty and students, and the breadth of research expertise that makes Purdue an ideal breeding ground for interdisciplinary research.

Mihailo Stojnic
Assistant professor
Industrial Engineering
mstojnic@purdue.edu
Degree: Ph.D., 2007, Caltech
Previously at: Caltech
Teaching area: Probability, optimization, algorithms.
Research interests: My general research interests are in probability, optimization and algorithms, and their engineering applications. Particularly: convex optimization, semidefinite programming, Markov chain Monte Carlo (MCMC) algorithms.
Why Purdue? Purdue has a super élite engineering program, certainly one of the best in the country and the world. The reputation of the school is impressive and my belief is that it also offers a nice, quiet but dynamic environment for great research and teaching work.

Thanos (Athanasios) Tzempelikos
Assistant professor
School of Civil Engineering
ttzempel@purdue.edu
Degree: 2005, Concordia Univ. (Montreal, Canada)
Previously at: Concordia Univ.
Teaching area: Building science, architectural engineering, energy management, renewable and sustainable energy
Research interests: Energy efficiency in buildings, solar energy, lighting, building automation, photovoltaics, windows and glazings, reduction in greenhouse gas emissions
Why Purdue? An institution with excellent history in research. The position fits very well with my interests and future plans for interdisciplinary research in the architectural engineering area.

Nelson A. Uhan
Assistant professor
Industrial Engineering
nuhan@purdue.edu
Degree: Ph.D., 2008, Massachusetts Institute of Technology
Teaching area: Introductory courses in operations research, advanced courses in optimization.
Research interests: Operations research; in particular, combinatorial optimization, mathematical programming and their applications to scheduling, game theory, logistics, transportation, and network design.
Why Purdue? Purdue's strengths in engineering and management make it a great environment to do research in an interdisciplinary field like operations research.

Ji Soo Yi
Assistant professor
Industrial Engineering
yij@purdue.edu
Degree: Ph.D., 2008, Georgia Institute of Technology
Previously at: Georgia Institute of Technology
Teaching area: Human-computer interaction, information visualization, and decision science
Research interests: Applying various human-centered computing (e.g., information visualization and decision science) technologies to the health care industry
Why Purdue? The School of Industrial Engineering at Purdue has one of the best human factor groups, and the Regenstrief Center for Healthcare Engineering appears to provide me with great opportunities.

Liberal Arts

Daniel P. Aldrich
Assistant professor
Political Science
daldrich@purdue.edu
Degree: 2005, Harvard Univ.
Previously at: Tulane Univ.
Teaching area: Comparative public policy, environmental politics, Japanese politics
Research interests: Controversial facilities, "not in my back yard" politics, disaster recovery
Why Purdue? Purdue offers a first-class, high-powered research environment with excellent

faculty and students along with an affordable housing market.

Adam E. Barry
Assistant professor
Health and Kinesiology
aebarry@purdue.edu
Degree: Ph.D., 2007, Texas A&M Univ.
Previously at: Texas A&M Univ.
Research interests: Examining the alcohol-related behaviors, beliefs, perceptions and attitudes of college students. Additionally, examining how technology can be utilized to enhance delivery of health education content in the classroom setting.

Rebecca G. Bryant
Assistant professor
Patti and Rusty Rueff Department of Visual and Performing Arts
rgbryant@purdue.edu
Degree: M.F.A. in dance, 2002, UCLA
Previously at: Missouri State Univ.
Teaching area: I am a dance artist specializing in modern dance technique, improvisation, somatic methods and interdisciplinary performance. Currently I am investigating the applications of Alexander Technique and Developmental Movement in dance training and dance making.
Research interests: My recent projects include collaborations with visual artists, poets, actors and musicians as well as solo works that combine text, technology and dance. My research includes investigations in ensemble improvisation.
Why Purdue? Purdue is active in research and creative endeavor and at the forefront of interdisciplinary connections.

Laura J. Claxton
Assistant professor
Health and Kinesiology
ljclaxton@purdue.edu
Degree: 2007, Univ. of Massachusetts Amherst
Teaching area: Motor development, perceptual development, and cognitive development.
Research interests: My research explores motor and cognitive development in young children. Current projects investigate how motor behaviors can be influenced by cognitive factors.

H. Kory Cooper
Assistant professor
Anthropology
hkcooper@purdue.edu
Degree: 2007, Univ. of Alberta
Previously at: Univ. of Calgary
Teaching area: Native North America, hunter-gatherers, archaeology, archaeometry
Research interests: My research focuses on the technology of native people in northwestern North America, especially the use of metals in Alaska, the Yukon Territory, the Northwest Territories, and British Columbia both before and after the arrival of Europeans.

Michael R. Johnston
Assistant professor
English
mjohnst@purdue.edu
Degree: 2007, Ohio State Univ.
Previously at: Univ. of North Texas
Teaching area: Middle English literature, the history of the book, theories of textual editing.
Research interests: Medieval romance, late medieval manuscript culture, the history of the book, and Marxist literary theory.
Why Purdue? Purdue has a strong, nationally recognized program in Medieval and Renaissance studies. Moreover, the faculty have been nothing but welcoming to me. Who could ask for a better combination?

Jennifer L. King
Assistant professor
Visual and Performing Arts
kingj@purdue.edu
Degree: Ph.D., 2007, Indiana Univ.
Previously at: TCU
Teaching area: History of music in the Western European “classical” tradition from the Middle Ages through the present day.
Research interests: 16th-century Italian madrigal, dialogue,

humor in music
Why Purdue? I have the opportunity to pursue my research in Renaissance music and the pedagogy of music history. And I get to teach some of the brightest students in the world.

Seungyoon Lee
Assistant professor
Communication
seungyoon@purdue.edu
Degree: Ph.D., 2008, Univ. of Southern California
Teaching area: Organizational communication, social network theories and methodologies, communication technologies
Research interests: Organizational and social networks, organizational ecology, knowledge sharing, network dynamics, information and communication technologies and social development
Why Purdue? Excellent research university, opportunities for interdisciplinary/international collaboration

Xin Luo
Assistant professor
Speech, Language, and Hearing Sciences
luo5@purdue.edu
Degree: Ph.D., 2005, Univ. of Science and Technology of China
Previously at: House Ear Institute
Teaching area: Speech processing, speech perception, auditory psychophysics, amplification, and cochlear implants.
Research interests: Enhancing speech perception of cochlear implant users in challenging listening conditions, especially their recognition of suprasegmental speech information, such as lexical tones and vocal emotions.
Why Purdue? Because of the strong, multidisciplinary research and clinical background of the department.

Robyn Malo
Assistant professor
English
rmalo@purdue.edu
Degree: Ph.D., 2007, The Ohio State Univ.
Previously at: Austin College, Texas
Teaching area: Chaucer, Gower, Hoccleve, Lydgate, medieval devotional literature and culture, reformation studies.
Research interests: Published on Chaucer and on later medieval devotional literature. Current research includes a monograph about literary depictions of saints' relics, as well as articles on Lollardy and books of hours.
Why Purdue? Purdue has a very rare combination: collegiality and scholarly rigor. The Department of English combines these (crucial) qualities effortlessly!

Sean C. Newcomer
Assistant professor
Health and Kinesiology
snewcome@purdue.edu
Degree: 2004, The Pennsylvania State Univ.
Previously at: Univ. of Missouri
Teaching area: Exercise physiology, cardiovascular physiology
Research interests: Mechanisms underlying the heterogeneous distribution of atherosclerosis throughout the peripheral vasculatures.
Why Purdue? Tremendous resources and an excellent collaborative environment.

Derek Pacheco
Assistant professor
English
dpacheco@purdue.edu
Degree: 2006, UCLA
Previously at: California State Univ., Fullerton
Teaching area: Please see research category below.
Research interests: My research and teaching interests include gender and American Transcendentalism; gender and print culture; history of the book studies; popular culture; race, class, and gender in 18th and 19th century American literature; American women's writing; and the American novel.
Why Purdue? I admire the way

that Purdue combines the goals of liberal arts college with the resources and responsibilities of a public research university dedicated to serving the needs of its diverse student and faculty bodies.

Matthias Steup
Professor and department head
Philosophy
steup@purdue.edu
Degree: 1985, Brown Univ.
Previously at: St. Cloud State Univ.
Teaching area: Epistemology: the analysis of knowledge, skepticism, perception. Metaphysics: Particularly free will and determinism.
Research interests: The nature of knowledge and reasonable belief, refuting skepticism, perception as a source of justification, coherence vs. foundational theories of justification, the question of whether belief is subject to voluntary control.
Why Purdue? Purdue's Philosophy Department has an excellent doctoral program, a flourishing major, and an outstanding faculty of devoted scholars and teachers. Being the head of Philosophy will be a fascinating and rewarding challenge for me.

Anu Subramanian
Clinical assistant professor
Speech, Language, and Hearing Sciences
subramaa@purdue.edu
Degree: Ph.D., 2001, Univ. of Illinois
Previously at: Clinical position in Massachusetts
Teaching area: Preschool stuttering, early intervention (birth to 3), speech and language development
Research interests: Evidence-based practice, preschool stuttering, early intervention (intervention methods, efficacy)
Why Purdue? Very friendly faculty at the department; hope to be able to combine clinical and research worlds; opportunities to grow!

Emily E. Tyson
Clinical assistant professor
Speech, Language, and Hearing Sciences
etyson@purdue.edu
Degree: M.S., 1997, Univ. of North Carolina at Chapel Hill
Previously at: Kennedy Krieger Institute in Baltimore
Teaching area: My primary interest is autism spectrum disorders, including preparing students clinically for working with children diagnosed with ASD.
Why Purdue? The position at Purdue was an excellent opportunity for me to grow and develop as a professional, work with students, and join a well known department and great university.

Shannon M. Van Hyfte
Clinical assistant professor
Speech, Language, and Hearing Sciences
svanhyff@purdue.edu
Degree: Au.D. (Clinical Doctorate of Audiology), 2003, Ball State Univ.
Previously at: Ear, nose, throat physician practice
Teaching area: I provide clinical supervision of audiology graduate students.
Why Purdue? Purdue offers a great opportunity for me to work with students as well as see a large variety of clinic patients. My weekly schedule has variety and opportunity to stay current in my field.

Sigrid Zahner
Assistant professor
Art and Design
szahner@purdue.edu
Degree: M.F.A., 2007, Vermont College of Fine Art
Previously at: Purdue
Teaching area: Mastering materials, understanding and transcending their physical properties is a metaphor for everything in life. I aim to develop creative thinkers no matter what their major.
Research interests: Ceramics is my discipline, not just my medium. It is the perfect springboard for any form of sculpture, video

work and new media. I am interested in using such a humble material to address age-old questions such as war, religion and human judgment in a nondidactic way, to allow for the poetics of ambiguity.
Why Purdue? Purdue's international reputation as a research institution enables me, as a faculty member, to keep one foot strongly rooted in the exploration of my field while providing the opportunity to share my experience with the next generation of creative thinkers.

Libraries

Elizabeth M. Wilkinson
Processing and public services archivist / visiting assistant professor of library science
Libraries
emwilkin@purdue.edu
Degree: M.L.S., M.A. in history (2001, Indiana Univ.)
Previously at: Indiana State Library
Teaching area: Special collection, rare books, preservation
Research interests: Access and accessibility to primary sources
Why Purdue? The opportunity to work with the primary sources in Archives and Special Collections, as well as the prospect of working collaboratively with the Libraries faculty and staff.

Management

Yong Bao
Associate professor
Economics
ybao@purdue.edu
Degree: 2004, Univ. of California, Riverside
Previously at: Temple Univ. (2007-2008), Univ. of Texas at San Antonio (2004-2007)
Teaching area: Econometrics, time series.
Research interests: Econometric theory, finite sample econometrics, time series, empirical finance.
Why Purdue? Great colleagues, good research environment, and a nice town for the family.

Jeffrey J. Reuer
Professor of management
Krannert School of Management
jreuer@purdue.edu
Degree: Ph.D. in management, 1997, Purdue Univ.
Previously at: Univ. of North Carolina.
Teaching area: I teach M.B.A. core courses on competitive strategy and corporate strategy, as well as electives on strategic investment decisions and strategic alliances.
Research interests: I am interested in organizational governance and how firms design and manage their external corporate development activities, including international joint ventures and acquisitions.
Why Purdue? In my field, Purdue has an great reputation internationally, both for its research tradition over the years and for its current group of scholars. My wife and I met at Purdue 15 years ago and are excited to come back to the university and area.

Sangwoo Shin
Assistant professor of management
Krannert School of Management
shin58@purdue.edu
Degree: Ph.D., 2008, Univ. of Rochester
Previously at:
Teaching area: Marketing management, marketing research, database marketing and pricing
Research interests: Quantitative marketing models, Bayesian statistics and consumer learning
Why Purdue? The Krannert School of Management is one of the top research schools!

Justin L. Tobias
Professor
Economics
jltobias@purdue.edu
Degree: 1999, Univ. of Chicago
Previously at: Univ. of California, Irvine; Iowa State Univ.
Teaching area: Econometrics, Bayesian econometrics

Research interests: Bayesian econometrics, simulation-based inference.
Why Purdue? Department and university quality

Pharmacy, Nursing and Health Sciences

Azza H. Ahmed
Assistant professor
Nursing
ahmedah@purdue.edu
Degree: Doctoral degree in Nursing Science (DNS), 1997, Univ. of Cairo, Egypt
Previously at: Univ. of Cairo
Teaching area: Teaching life-span growth and development, pediatric nursing clinical and theoretical for graduate and undergraduate students. Also interested in teaching sociocultural classes.
Research interests: Effect of breastfeeding education on breastfeeding practices and premature infants' health. Factors that affect mothers' breastfeeding self-efficacy.
Why Purdue? Excellent environment for teaching, learning, and research.

Laurie L. Parker
Assistant professor
Medicinal Chemistry and Molecular Pharmacology
llparker@purdue.edu
Degree: Ph.D., 2003, Univ. of Glasgow, Scotland
Previously at: Univ. of Chicago, postdoctoral fellow
Teaching area: Organic, biomolecular and bioanalytical chemistry.
I especially enjoy working with non-chemistry majors.
Research interests: Creating and using chemical tools to better understand and reveal patterns in biological signaling, particularly in cancer.
Why Purdue? There is an amazing amount of truly interdisciplinary, collaborative work going on with high-quality faculty investigators and students. Open-minded people moving science forward!

Science

Saugata Basu
Professor
Mathematics and Computer Science
sbasu@math.purdue.edu
Degree: 1996, Courant Institute of Mathematical Sciences, New York Univ.
Previously at: Georgia Institute of Technology
Teaching area: Real algebraic geometry, algebra, computational algebra and geometry.
Research interests: Real algebraic geometry, discrete and computational geometry.
Why Purdue? Excellent faculty, great environment for research.

Fabrice Baudoin
Associate professor
Mathematics
fbaudoin@math.purdue.edu
Degree: Ph.D., 2002, Univ. Paris 7
Teaching area: I like teaching mathematics to students.
Research interests: I do research in mathematics and more precisely in probability theory.
Why Purdue? Purdue is a great university that gives students chances to learn and to develop their minds.

Guang Cheng
Assistant professor
Statistics
chengg@stat.purdue.edu
Degree: 2006, Univ. of Wisconsin
Previously at: Visiting assistant professor at Duke, postdoctoral fellow at Statistical and Applied Mathematical Sciences Institute
Teaching area: Statistical inference and data analysis, mathematical statistics, asymptotic statistics, empirical processes and semiparametric inference
Research interests: Asymptotic statistics, empirical processes, semiparametric inference, model selection
Why Purdue? The department at Purdue is recognized as one of the top statistics programs in the country (ranked top 10). Moreover, my research interest

perfectly matches this program.

Jeffrey S. Dukes
Biological Sciences
See listing under Agriculture

Rachael H. Kenney
Assistant professor
Mathematics / Curriculum and Instruction (joint)
rhkenney@purdue.edu
Degree: Ph.D in mathematics education, 2008, North Carolina State Univ.

Charles E. Killian
Assistant professor
Computer Science
ckillian@purdue.edu
Degree: Ph.D., 2008, Univ. of California, San Diego
Previously at: Duke Univ.
Teaching area: Teaching students to reason critically and evaluate research, using fundamentals of computer science and math.
Research interests: The design and implementation of useful, dependable, high-performance, large-scale distributed computer systems.
Why Purdue? Purdue is a top-quality computer science university in a desirable geographic location.

Peijun Li
Assistant professor
Mathematics
li241@math.purdue.edu
Degree: Ph.D., 2005, Michigan State Univ.
Previously at: Univ. of Michigan
Teaching area: I would enjoy teaching lower-division courses on engineering mathematics, linear algebra, calculus, differential equations, and numerical methods. Also courses in partial differential equations, numerical analysis, and scientific computation, at both the graduate and undergraduate level.
Research interests: My research area is applied and computational mathematics with an emphasis on modeling, analysis, and computation for direct and inverse scattering problems in electromagnetic and optics, as well as on numerical solutions of inverse problems in partial differential equations. I am also interested in the development of fast treecode algorithms for biomolecular electrostatic interactions including simulations of molecular dynamics and moleculesolvent interactions.

Vishwanathan Swaminathan Venkata Narayana
Assistant professor
Statistics and Computer Science
vishy@stat.purdue.edu
Degree: Ph.D., 2002, Indian Institute of Science
Previously at: NICTA, Australia
Teaching area: Machine learning, optimization, data structures and algorithms
Research interests: Machine learning, data mining, algorithmics, exponential families, graphical models, optimization.
Why Purdue? Strong focus on interdisciplinary research, exciting new hires, and overall great direction in which the university is approaching large-scale data analysis.

Yulia Pushkar
Assistant professor
Physics
ypushkar@purdue.edu
Degree: Ph.D., 2003, Free Univ. Berlin
Previously at: Lawrence Berkeley National Laboratory
Teaching area: In my biophysics course, students will be introduced to physical descriptions of a wide range of phenomena, from molecular and cell mechanisms to the function of the human brain.
Research interests: My research interests are in biophysics and energy research. I apply X-ray spectroscopy and electron paramagnetic resonance to study biological and catalytic systems capable of converting sunlight into chemically stored energy. My other area of interest is neuroscience. I apply X-ray imaging and X-ray

spectroscopy to study involvement of the heavier metals in the development of neurodegenerative diseases.
Why Purdue? It is a large research university with variety of modern research facilities and high quality of graduate students.

Lyudmila V. Slipchenko
Assistant professor
Chemistry
lslipchenko@purdue.edu
Degree: 2005, Univ. of Southern California
Previously at: Iowa State Univ.
Teaching area: Graduate courses: computational quantum chemistry, quantum chemistry; undergraduate courses: physical chemistry and general chemistry
Research interests: My research interest is to develop and subsequently apply robust computational tools that will facilitate accurate and revealing investigations of chemical and biological processes in an environment.
Why Purdue? Chemistry at Purdue is a friendly and collaborative department with good facilities and resources.

Adam Wasserman
Assistant professor
Chemistry
awasser@purdue.edu
Degree: 2005, Rutgers Univ.
Previously at: Harvard Univ.
Teaching area: Help students develop their potential to (1) understand chemistry (and love it!), and (2) be independent thinkers.
Research interests: Advance the frontiers of theoretical chemistry by: (1) Developing new theoretical tools to understand the attosecond behavior of electrons in molecules, and (2) Extending the range of applicability of density functional methods to the realm of resonances.
Why Purdue? Because of the collegiality I sensed during my visits to the Chemistry Department. I think Purdue provides everything that is needed to develop a successful research program in a wonderful academic environment.

Technology

Sarah J. George
Continuing lecturer
Computer Graphics Technology at Richmond
sjgeorge@purdue.edu
Degree: M.A. in architecture, 2003, Miami Univ.
Previously at: Indiana Univ.
Teaching area: To promote positive learning and motivation. To recognize different learning approaches. To share my knowledge and experience.
Research interests: My research interest is within the architectural field. My current specific research is with BIM (building information modeling), discovering how to generate and manage building data through complex software.

Jay B. Hedden
Visiting assistant professor
Aviation Technology
jbhedden@purdue.edu
Degree: B.S., 1997, Purdue Univ.
Previously at: United Airlines
Teaching area: Help develop new sophisticated teaching methods employing computer-interfaced education modules to promote quality education off campus as well as on campus.
Research interests: To utilize the wealth of knowledge here at Purdue to promote and develop alternate fuel(s) and fuel systems for modern jet engines to reduce our dependence on foreign oil
Why Purdue? Purdue has been educating people since 1869 and its reputation precedes itself. The aviation and aeronautical programs are unrivaled in the United States, and I'm proud to be part of that legacy.

Bryan J. Hubbard
Assistant professor
Building Construction Management
bhubbard@purdue.edu

Degree: Ph.D., 1994, Texas A&M
Previously at: Purdue Univ.
Teaching area: All aspects of construction including safety, labor relations, and mechanical systems.
Research interests: Workforce issues including safety and education, recruitment and retention, and technical issues related to mechanical systems and energy usage.
Why Purdue? As a Purdue alumnus, I'm proud to be here teaching. Purdue is a great university with a well-respected program in construction.

Todd R. Kelley
Assistant professor
Industrial Technology
trkelley@purdue.edu
Degree: 2008, Univ. of Georgia
Previously at: Ball State Univ.
Teaching area: Pre-engineering, design, K-12 STEM education, technology education
Research interests: Cognition in design and problem solving. Design as a method of teaching and learning. STEM education and the global economy.
Why Purdue? During the interview season, I had five interviews and I had five job offers. I selected Purdue because it appeared to be an atmosphere that fosters cross collaboration from various disciplines. This is critical for a research university that seeks to remain competitive in a global society.

Eric P. Kukula
Visiting assistant professor and senior biometric researcher
Industrial Technology
kukula@purdue.edu
Degree: Ph.D., 2008, Purdue Univ.
Previously at: Purdue Univ.
Teaching area: Biometric technology, automatic identification and data capture (aidc), industrial technology and distribution
Research interests: Biometrics, specifically the human-biometric sensor interaction, or HBSI, which involves how humans, sensors, and environmental conditions impact the design and underlying performance of biometric devices and systems.
Why Purdue? The opportunities here are endless due to the students, research facilities, and the reputation that Purdue has due to the great faculty and alumni.

Chien-tsung Lu
Associate professor
Aviation Technology
ctlu@purdue.edu
Degree: Ph.D., 2003, Univ. of Nebraska
Previously at: Univ. of Central Missouri
Teaching area: Aviation law, aviation safety, air transportation, systems safety and risk management.
Research interests: Aviation policy, risk analysis and safety management model, and airline safety rating.
Why Purdue? This is a great research-oriented university with international reputation. Boilermakers rock!

Brandeis H. Marshall
Assistant professor
Computer and Information Technology
brandeis@purdue.edu
Degree: 2007, Rensselaer Polytechnic Institute
Previously at: Purdue Univ., Cyber Center
Teaching area: Database management systems
Research interests: Knowledge management, information/image retrieval and algorithms
Why Purdue? I chose Purdue for two reasons: talented fellow colleagues with a collaborative mindset and expectation caliber of students.

Eric T. Matson
Assistant professor
Computer and Information Technology
ematson@purdue.edu
Degree: Ph.D., 2008, Univ. of Cincinnati
Previously at: Wright State Univ.
Teaching area: Software development, intelligent systems, applied

artificial intelligence
Research interests: My area of research encompasses multiagent systems, sensor networks and software engineering and the applications of these areas.
Why Purdue? Purdue is an excellent land-grant university with unlimited opportunity for research collaboration across many disciplines, outreach and service to the public and teaching.

Shimon K. Modi
Director of Research, Biometric Standards, Performance and Assurance Laboratory / postdoctoral research associate
Industrial Technology
shimon@purdue.edu
Degree: Ph.D. in technology, 2008, Purdue Univ.
Previously at: Purdue Univ.
Teaching area: Biometrics, information security, applied research
Research interests: Application of biometric technologies, statistical analysis of biometric systems, information security, standards development
Why Purdue? Purdue offers the ability to work with researchers from various fields and transfer research to industry. The biometrics lab at Purdue is widely respected, and the opportunity to be associated with its cutting-edge research made me choose Purdue.

John H. Mott
Continuing lecturer
Aviation Technology
jhmott@purdue.edu
Degree: M.S.E.E., 1988, Univ. of Alabama
Previously at: Purdue Univ. (visiting assistant professor of aviation technology)
Teaching area: Aviation management and operations courses from introductory to graduate levels.
Research interests: Aviation safety, statistical modeling of the National Airspace System, and application of developing technologies to distance education.
Why Purdue? Purdue has a world class reputation and tradition in the field of aviation technology, and it is clear that the people in all areas of the program are the reason.

Randy R. Rapp
Associate professor
Building Construction Management
rrapp@purdue.edu
Degree: Dr. Mgmt., 2002, Webster Univ.
Previously at: Assn. for Advancement of Cost Engrg. Intl.; Halliburton-KBR; Milwaukee School of Engineering; Southern Illinois Univ. Edwardsville; U.S. Army Engineers
Teaching area: Disaster restoration and reconstruction management, especially; construction management, generally.
Research interests: I'd like to develop cross-discipline initiatives to better teach students and the construction industry how to react to large natural or manmade disasters. This would include security concerns. I believe the COT is moving along these research lines to some extent.
Why Purdue? An opportunity to grow, to take on additional challenges that a good, but small, university cannot offer.

Mark Shaurette
Assistant professor
Building Construction Management
mshauret@purdue.edu
Degree: Ph.D., 2007, Purdue Univ.
Previously at: Purdue Univ.
Teaching area: Management of demolition and reconstruction activity, emerging communication technologies for education, learning styles.
Research interests: Energy conservation, sustainable construction practices, material reuse and recycling, as well as emerging communication technologies for education and construction practice. Why Purdue? Superior Building Construction Management program

Jeffrey C. Sprankle
Clinical assistant professor
Computer and Information Technology
jcsprankle@purdue.edu
Degree: Master's, 2001, Purdue Univ.
Previously at: Purdue Univ.
Teaching area: Networking and routing technologies, computing technology, network management and security
Research interests: Previous research in cable modem security, networking, advanced routing and network security.
Why Purdue? Two degrees from Purdue, a love of the campus, a love of the College of Technology and family across the river.

Veterinary Medicine

Jean M. Poulson
Radiation oncologist / associate professor
Veterinary Clinical Sciences
jpoulson@purdue.edu
Degree: D.V.M., 1992,; Ph.D., 2001, Colorado State Univ.
Previously at: Duke Univ., Tufts Univ.
Teaching area: Radiobiology and radiation oncology, communication, leadership.
Research interests: Comparative oncology studies in pets with spontaneous tumors to benefit both the pets and human patients with similar diseases. Response of normal tissues to radiation therapy. Tumor physiology and imaging.
Why Purdue? The opportunity to be involved in the cutting-edge cancer discovery programs on campus, as well as the top-flight teaching and clinical programs.

Tracy H. Vemulapalli
Clinical assistant professor / director, BSL3 Laboratory
Comparative Pathobiology
tvemulap@purdue.edu
Degree: 1998, VA-MD Regional College of Veterinary Medicine
Previously at: Purdue Univ. (residency, laboratory animal medicine)
Teaching area: Veterinary microbiology, comparative/laboratory animal medicine
Research interests: Infectious disease and zoonoses (e.g., leptospirosis, brucellosis); animal models of disease
Why Purdue? High level of scholarship and outreach in a family friendly environment.