



NEW FACULTY ORIENTATION

2024 | New Faculty Profiles

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Christopher C. Gibbs College of Architecture



**Tareq
Abuwad**

Construction Science



**Kofi
Asare**

Construction Science

Academic & Research Interests:

Building/Construction Information Modeling, Digital Twins, Data Analytics and Innovation in the Architecture, Engineering, Construction, and Operations (AECO) industry, and Experiential Learning for emerging technologies in AECO.

Desired Interdisciplinary Collaborations:

Computer Science- Artificial intelligence for cognitive computing, IoT, Software engineering; Health and Human Science- human performance and cognition; Education: pedagogy and assessment.

Personal Interests:

Cooking, sports (soccer, football, basketball)



**Sharon
Bozorgi**

Architecture



**Dayton
Clark**

Architecture



**Erin
Colwell**

Interior Design



**Andrea
Edwards**

Interior Design



**Rachel
Engler**

Architecture



**Sara
Fast**

Planning, Landscape
Architecture and Design



**John
Gaffney**

Construction Science



**Nils
Gransberg**

Construction Science



**Audrey
Hampton**

Architecture



**Hannah
Harper**

Architecture



**Chelsea
Holcomb**

Interior Design



**Julie
Hornbeek**

Interior Design



**Marvin
Laws**

Construction Science



**Nasir
Marakah**

Construction Science



**Veronica
Mills**

Planning, Landscape
Architecture and Design



**Jennifer
Mink-Shirley**

Architecture



**Sarah
Moore**

Construction Science



**Ladan
Mozaffarian**

Planning, Landscape
Architecture, and Design

Academic & Research Interests:

Transportation planning & Transportation Equity
Transportation, Public Health, & Safety
Micro-Mobility, New Mobility, & Autonomous Vehicles
Knowledge Economy, Urban Economy, &
Community Development

Desired Interdisciplinary Collaborations:

Transportation engineering, public health, economy
and innovation, social science and social work, &
researchers interested in racial and social equity

Personal Interests: Spending time with my family,
morning walk, & doing yoga



**Doyle
Phillips**

Construction Science

Academic & Research Interests:

Curriculum enhancements, expanding certificate programs, improving the connection between academia and professional organizations, generative AI for improving construction documents

Desired Interdisciplinary Collaborations:

Business and finance management for construction, Construction law and contracts, education

Personal Interests:

Traveling, golf, reading, cooking



**Halley
Reeves**

Planning, Landscape
Architecture and Design



Awilda

Rodriguez

Architecture

Academic & Research Interests:

Adaptive Reuse of Postindustrial Buildings, Cultural/Tectonic Expression in Architecture, Resilient Architecture, Technology Applications in Design

Desired Interdisciplinary Collaborations:

STEM Education, Climate Change & Resilient Environments, Urban Sustainability, Virtual Reality, Hispanic/Latin Architecture Study Abroad Program

Personal Interests:

Hiking, Crafting with Kids, Gardening



Paolo

Sanza

Architecture

Academic & Research Interests:

Italian, Africa, and Central/South America
Modernism Architecture, Contemporary Architecture.

Desired Interdisciplinary Collaborations:

Graphic Design, Museology (exhibition design),
History, Construction Science,
Structural/Architectural Engineering, Modern and
Contemporary Art.

Personal Interests:

Commercial Aviation and Airport Design, Modern
and Contemporary Furniture, Modern Furniture
Design/Build, Travel Abroad, Vintage Toys.



**Afsana
Sharmin**

Planning, Landscape
Architecture and Design



**Jacob
Stinson**

Architecture



**Andrew
Stone**

Architecture



**LaTasha
Timberlake**

Planning, Landscape
Architecture and Design

Dodge Family College of Arts and Sciences



**Margaret
Bailey**

First Year Experience

Academic & Research Interests:

Experiential learning, visual methodologies, lives of hidden populations on college campuses, prevention of cultural erasure in academia, and creating inclusive environments in education

Desired Interdisciplinary Collaborations:

Teacher Preparation, Curriculum and Instruction, Educational Leadership, Instructional Technology, Research and Evaluation, Adult Education and Professional Development, Education Policy

Personal Interests:

Gardening, spending time on my hobby farm with goats and chickens, canning and preserving fruits and vegetables, yoga



Gracie

Bain

English

Academic & Research Interests:

Neo-Victorian literature, Gender, True Crime

Desired Interdisciplinary Collaborations:

History-archival research in nineteenth-century ephemera; Women and gender studies

Personal Interests:

Attempting but failing at being my dog's favorite, coffee, reading, theater



**Kristin
Bennett**

English

Academic & Research Interests: Technical and professional communication, disability studies, rhetorics of health and medicine, and digital rhetoric

Desired Interdisciplinary Collaborations: Artificial intelligence in workplace, health, and organizational contexts; facilitating accessible hiring practices in corporate contexts; using graphic medicine in mental health communications; facilitating equitable policies and trainings for diverse organizational contexts

Personal Interests: Community theater, hiking, traveling, reading, attending local events, and spending time with my partner and dog



**Ashley
Berger**

Mathematics



**Katie
Braeuer**

Human Relations



**Olivia
Branscum**

Philosophy

Academic & Research Interests:

History of modern philosophy, especially seventeenth-century English philosophy; women in the history of philosophy; history of metaphysics and the philosophy of mind; philosophy of art; ethics.

Desired Interdisciplinary Collaborations:

History of science; women and gender in history; art theory and history; religious studies; using podcasting and other creative media for outreach.

Personal Interests:

Early childhood/parenting; music, especially classical and post-punk; art; yoga; hiking.



Elif Gizem
Demirag Burak

Psychology



**Lacy Jo
Burgess-Cady**

First Year Experience

Academic & Research Interests:

Human/Animal Relationships (domestic pets),
Invasive Species, Monarch Migration and Climate
Change

Desired Interdisciplinary Collaborations:

Fine Art, Geography, and Ecology

Personal Interests:

Fiber Arts and Mixed Media Arts, Gardening, and
Community Arts



**Valerie
Butler-McDaniel**

Social Work

Academic & Research Interests:

School Social Work and policy related to K-12 education, Social Manifestation of Neurodiversity

Desired Interdisciplinary Collaborations:

Education

Personal Interests:

Gardening, Canning, Domestic Travel, and Paper Crafting



**Shikha
Chauhan**

Chemistry and
Biochemistry



**Grant
Chesbro**

Health and Exercise
Science



**Joshua
Clough**

Native American Studies



**Sharri
Coleman**

African and African
American Studies



**Dace
Demir**

Library and Information
Studies



**Jennifer
Dohlman**

Human Relations

Academic & Research Interests:

Nature-based mental health practices, Internal Family Systems/parts work

Desired Interdisciplinary Collaborations:

Outdoor Education, project-based learning and wellness, Special Education and spectrum/learning needs

Personal Interests:

Photography, escape rooms, pets (We have dogs, toads, frog, gecko, turtle, chameleon-- basically a zoo).



**Alice
Fanari**

Communication

Academic & Research Interests:

Intercultural & Interpersonal Communication, (Reverse) Culture Shock, Cross-cultural transitions, Facilitating relationships, dialogue, health and well-being across people from different cultures

Desired Interdisciplinary Collaborations:

International Studies, International Student Services, Study Abroad; Research focused on intercultural transitions & mental health among sojourners (students, expats, Peace Corps, military personnel)

Personal Interests:

Running, swimming, hiking, cooking, playing boardgames, and travelling



Du

Fei

History

Academic & Research Interests:

History of South Asia (c. 1500-present), gender & sexuality, global Islam, Islamic law, the history of capitalism, Digital Humanities.

Desired Interdisciplinary Collaborations:

Gender & sexuality, religion, law, language & literature, area studies

Personal Interests:

Cooking, crafting, learning book binding & illumination



Melanie Lee
Fillmore

Native American Studies



**Melanie
Frye**

Native American Studies



**Francesca
Giani**

Library and Information
Studies

Academic & Research Interests: Museum Studies, art and architecture theory, curatorial practice, community engagement.

Desired Interdisciplinary Collaborations: Architecture, city planning, environmental science, political theory.

Personal Interests: Painting, cooking, building projects, sports, meditation, academic coaching.



**Anthony
Gomez III**

English

Academic & Research Interests:

Energy humanities; ecocriticism; Indigenous and Latinx studies; American literature, disability studies; fiction and poetics; early film; theories of migration and diaspora.

Desired Interdisciplinary Collaborations:

Environmental Sciences, Ecology, Ethnic Studies, History, and Philosophy

Personal Interests:

Coffee, classic film noirs, swimming, hiking, biking, record/ vinyl, learning a new language.



**Matthew
Gonzales**

Human Relations



**Jennifer
Gray**

Chemistry and
Biochemistry



**Thayer
Hallidayschult**

Biological Sciences



**Huey
Hawkins**

Social Work

Academic & Research Interests:

Race, Class, Gender, and Personality Development

Desired Interdisciplinary Collaborations:

African American Studies; Psychology; Sociology

Personal Interests:

Traveling



**Michael
Hayden**

Physics/Astronomy



**Yaqing
He**

Psychology

Academic & Research Interests:

Vulnerable workers, intimate partner aggression, work-family conflict, work-life balance, employee well-being, and diversity in the workplace.

Desired Interdisciplinary Collaborations:

Social science (e.g., sociology, human development and family studies, and social work) researchers interested in vulnerable workers, intimate partner aggression, work-family conflict, diversity, and research methods.

Personal Interests:

Playing guitar and bass, watching movies, cooking, meditation, learning taiji and reading Taoism books.



Anjumala
Herath

Biological Sciences

Academic & Research Interests:

Bacterial gene expression and transcriptomics, functional genomics, microbial biotechnology

Desired Interdisciplinary Collaborations:

Researchers interested in biofilm gene expression, Education research on undergraduate biology education, scientific writing, biology laboratory education

Personal Interests:

Reading, Cooking, Music, Travel



**Lavinia
Horner**

Modern Languages,
Literatures and Linguistics



**Nghiem
Huynh**

Economics

Academic & Research Interests:

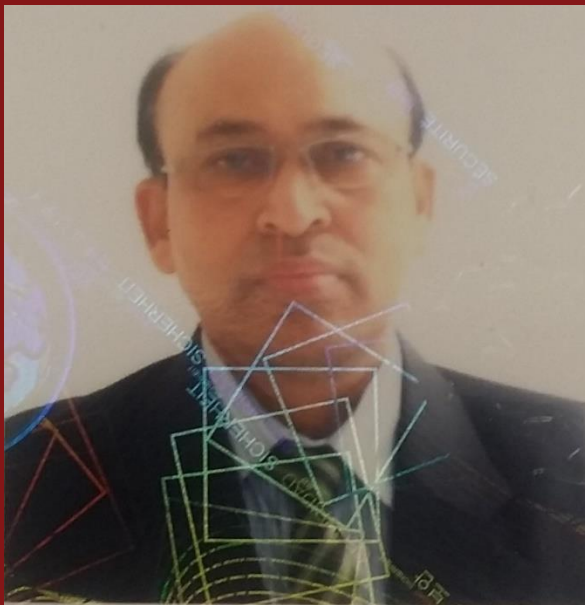
Development Economics, Urban Economics,
International Trade, Climate Change

Desired Interdisciplinary Collaborations:

Climate Science, Public Policy, Southeast Asian
Studies, Political Economy, Statistics

Personal Interests:

Badminton, Tennis, Shotokan Karate, Traveling



**S M Humayun
Kabir**

Chemistry and
Biochemistry

Academic & Research Interests:

General Chemistry and Organic Chemistry. Synthetic organic and medicinal chemistry concerns the design, syntheses and biological evaluation of dipeptidyl compounds, β -lactams and quinazolinones to identify lead molecules for pre-clinical drug development. Chemical education research.

Desired Interdisciplinary Collaborations:

Medicinal chemistry and Drug Development.

Personal Interests:

Swimming, badminton, billiard, sight seeing, watching documentaries on nature



**Ibrahim
Kekec**

Economics



**Kirsten
Kram**

Human Relations



**Christina
Ladam**

First Year Experience



**Manika
Lamba**

Library and Information
Studies

Academic & Research Interests: Information & Knowledge Organization, Computational Social Science, Digital Humanities, Critical Studies, User Engagement, Human-AI Interaction, Gender & Technology

Desired Interdisciplinary Collaborations: Data Science & Analytics, Women's & Gender Studies, Linguistics, Management Information Systems, Community Engagement

Personal Interests: Traveling, watching movies, going for long drives, reading, listening to music



**Charlotte
Levario**

Social Work



**Timothy
Levine**

Communication



**Frederick
Lewis**

Native American Studies



**Jose
Lozano**

Mathematics

Academic & Research Interests:

Noncommutative algebra and algebraic geometry

Desired Interdisciplinary Collaborations:

(Bio)chemical Reaction Network Theory;

Commutative Algebra;

Applied Abstract Algebra;

Mathematics Education (in the US and Japan);

Personal Interests:

Learning new languages; working out; video gaming; learning new things and visiting new places



**Patrick
Manapat**

Psychology

Academic & Research Interests:

Quantitative methodology, psychometrics, factor analysis, item response theory, and meta-science

Desired Interdisciplinary Collaborations:

Social Sciences, Education, Business, and any field that needs a methodologist

Personal Interests:

Sneakers, basketball, and cooking



Amelia

R. Manas

Modern Languages,
Literatures and Linguistics

Academic & Research Interests:

Hispanic Literature, Colonial Literature, Gender and Visual Studies

Desired Interdisciplinary Collaborations:

Gender and sexuality; media studies; early modern art, literature, and history; race; environmental studies

Personal Interests:

Dancing (when none is watching), theater, plants



**Janna
Martin**

Human Relations



**Patricia
Martins Marcos**

History of Science,
Technology and Medicine



**Valerie
McDaniel**

Social Work



**Trevor
McMichael**

English

Academic & Research Interests:

18th- and 19th-Century British literature, revenge literature and film, literary theory, psychoanalysis, contemporary moral philosophy, first-year composition and pedagogy, collaborative and professional writing

Desired Interdisciplinary Collaborations:

Collaborative writing between the humanities and social sciences, writing across the curriculum

Personal Interests:

Hiking, finding new walking trails, creative writing, cooking, board games, learning new languages



**Joe
Morgan**

Classics and Letters

Academic & Research Interests:

Social and economic history of the ancient Mediterranean, use of fragmentary textual sources (papyri and ostraca), Greek historiography, Egyptology, evolving relationships between humans and environments

Desired Interdisciplinary Collaborations:

Integration of documents in ancient Near-Eastern languages with Greco-Egyptian record (First Millennium BCE); soil science; paleobotany; language pedagogy

Personal Interests:

Hiking, kayaking, rowing, baking



**Yujin
Nagasawa**

Philosophy

Academic & Research Interests:

Philosophy of Religion, Philosophy of Mind, Applied
Philosophy

Desired Interdisciplinary Collaborations: Religion
and Science, Meaning of Life and Death, Public
Engagement

Personal Interests: Dogs, Travelling, Films



**Elizabeth
Nelson**

Psychology



**Nikole
Nielsen**

Physics/Astronomy



**Shawn
Parmanand**

Human Relations



**Jordan
Patik**

Health and Exercise
Science

Academic & Research Interests:

Physical Activity, Cardiovascular Disease Prevention in At-Risk Populations, Causes and Consequences of Vascular Dysfunction, Ventricular-Arterial Interactions, Environmental Physiology

Desired Interdisciplinary Collaborations:

Nutrition, Public Health, Cellular and Molecular Biology, Sex and Gender Studies, African/African American Studies, Native American Studies

Personal Interests:

Parenting a newborn, cycling, watching motocross, live music, craft breweries, cooking



**Laura
Phillips**

**Library and Information
Studies**

Academic & Research Interests: Decolonizing & Indigenizing museums and the pedagogy of museum studies, critical Euro-settler studies including making colonial impacts on Turtle Island visible, critical museum studies

Desired Interdisciplinary

Collaborations: Decolonizing, Indigenizing and critical settler perspectives in any and all disciplines

Personal Interests: Travelling, music festivals, stand up comedy, movies, gardening, hiking, spending time with my 3 canine companions and my husband



**Dane
Poolaw**

Native American Studies



**Idris
Raji**

Chemistry and
Biochemistry

Academic & Research Interests:

Lipid nanoparticles for vaccine and gene therapy applications, organic chemistry, biochemistry, small molecule drug discovery, proteolysis targeting chimeras (PROTAC) and other bifunctional molecules for modulating disease-relevant proteins.

Desired Interdisciplinary Collaborations:

Cancer immunotherapy, nucleic acid-based vaccines, gene editing in hepatic and extra-hepatic cells (e.g. hematopoietic stem cells), epigenetic regulation of gene expression, machine learning applications in drug discovery and drug delivery.

Personal Interests:

Watching soccer, playing chess, and spending time with family.



**Brittney
Rakowski**

First Year Composition



**Jane
Rheineck**

Human Relations



**James
Ricker**

Library and Information
Studies

Academic & Research Interests:

History, Museum Studies, Public History, and Archaeology

Desired Interdisciplinary Collaborations:

Archaeology, Art History, and Libraries and Archives

Personal Interests:

Visiting museums, historic sites, monuments, and national parks plus camping, hiking, fishing, and bird-watching.



**Valerie
Senkowski**

Health and Exercise
Science



**Kelly
Taylor**

Classics and Letters



**Madeline
Ullrich**

Women's and Gender
Studies



**Haleigh
Watson-Wilkes**

Mathematics



**Liran
Yadgar**

Modern Languages,
Literatures
and Linguistics

Academic & Research Interests: Jewish Studies, Middle Eastern Studies, Islamic History

Desired Interdisciplinary Collaborations: Middle Eastern Studies, Abrahamic Religions (Judaism, Christianity, and Islam), Medieval Studies

Personal Interests: Drawing and painting, reading and translating poetry, exploring new restaurants, and watching movies



**Yongyao
Zhou**

Chemistry and
Biochemistry

Academic & Research Interests:

Chemistry & Biochemistry education and single molecule spectroscopy

Desired Interdisciplinary Collaborations:

Chemical engineering, stem technology & math, pedagogy, science education, young adult education

Personal Interests:

Parenting, singing, hiking, tennis, pickleball, travelling, cooking, volunteering, meeting with friends

College of Atmospheric and Geographic Sciences



**Xiaodong
Chen**

Meteorology

Academic & Research Interests:

Climate science, climate modeling, physical hydrology, neuralhydrology, carbon cycle, infrastructure resiliency

Desired Interdisciplinary Collaborations:

Economics; Ecology; Education; Energy system; Mathematics; Public policy; Social science

Personal Interests:

Hiking, badminton, movies, gardening



**Chris
Fiebrich**

Meteorology

Academic & Research Interests:

Mesoscale meteorology and climatology, Meteorological instrumentation, Applied meteorology and climatology, Renewable energy

Desired Interdisciplinary Collaborations:

Agriculture and plant sciences, Fire behavior and management, Wildlife tracking, Emergency management, Greenhouse gas monitoring, Aviation and uncrewed systems, Sustainability, Hazard mitigation

Personal Interests:

Gardening, fishing, hiking, camping, OU football, skiing, birdwatching



Carrie Leslie

Geography and
Environmental
Sustainability

Academic & Research Interests: Environmental Justice, Environmental Social Science, Environmental Health, Environmental Equity, Community-Engaged Research

Desired Interdisciplinary Collaborations: Environmental Sustainability for Vulnerable Populations, Environmental Burdens and Community Benefits Analysis, Remediating Legacy Pollution, Justice40 Initiative, Ethical Tribal Engagement and Research partnerships, JFK Neighborhood (OKC)

Personal Interests: Being outdoors, quality time with my family, dance, hiking, reading, traveling, art, regenerative practices, native plants, and pollinators



**Chandra
Shekhar**

Geography and
Environmental
Sustainability

Academic & Research Interests:

Political Economy; Social Theory; Environmental Philosophy

My research examines institutional persistence by focusing on corruption in government bureaucracies and the legal and structural causes of disproportionate burdens of climate-change-induced environmental degradation on Indigenous, ethnic, and racial minorities.

Desired Interdisciplinary Collaborations:

Sociology, Philosophy, and History

Personal Interests:

Gardening; Blogging; Painting; Yoga



**Stephen
West**

Aviation



**Eric
Wydra**

Aviation

Michael F. Price College of Business



**Ronnie
Atkinson**

Management Information
Systems

Academic & Research Interests:

Generative AI, Information Security, New and Emerging Software Engineering Technologies

Desired Interdisciplinary Collaborations:

Computer Science, and Engineering

Personal Interests:

Coaching Little League Sports,
Yardwork(Landscaping and Flower Gardening)



**Shmuel
Baruch**

Finance

Academic & Research Interests:

Financial Economics, specifically

1. informed trading
2. The implications of regulations on market outcomes
3. The implications of index investment on the economy
4. Innovations and Venture Capital

Desired Interdisciplinary Collaborations:

Trust, self-regulatory organizations, and the wisdom of the crowd.

Personal Interests: Cozy mysteries, theatre plays.



**Rebecca
Burink**

Management and
International Business



**Blake
Cantrell**

Entrepreneurship and
Economic Development

Academic & Research Interests:

Entrepreneurship, Start-ups, Business Management / Administration, Corporate Law, Transactional Law, Government Relations, Regulatory Compliance, Franchise Law, Cannabis Law

Desired Interdisciplinary Collaborations:

Software Development; Artificial Intelligence; Impact of Governmental Policy and Regulation on Business

Personal Interests:

Travel, spending time with my wife and toddler, golf, relaxing at Grand Lake, golf, our Bernese Mountain Dogs, and OU Football.



**Sean M.
Dwyer**

Entrepreneurship and
Economic Development

Academic & Research Interests:

- *Purpose*: “Making a Difference in Business”
- *Resilience*: “Positive Adaption to Adversity”
- *Fraud*: “Deception of Stakeholders”
- A special interest in developing world, poverty laden research contexts

Desired Interdisciplinary Collaborations:

- Business-related research on topics listed above
- Research conducted in developing world contexts

Personal Interests:

- Exploring new places, drinking coffee, playing guitar, writing songs, mentoring students, games, entrepreneurship research (of course!), volunteer business consulting, & church-related activities.



Wil

Fisackerly

Management and
International Business

Academic & Research Interests: Collegiate esports, esports industry infrastructure, sport finance, entrepreneurship in sport

Desired Interdisciplinary Collaborations: Higher education and sport/esports, media and sport/esports, higher education innovation and infrastructure

Personal Interests: Disc golfing, pickleball, escape rooms, board games, video games, watching my teams play (Miami Dolphins, Orlando City)



**Jaron
Harvey**

Management and
International Business

Academic & Research Interests: Employee engagement, Team dynamics, Exchange in workplace relationships

Desired Interdisciplinary Collaborations:

Employee recruitment and hiring; Researchers interested in student job search and workplace socialization experiences, and Student-university commitment

Personal Interests:

Running, mountain biking, hiking, and wood working



**John
James**

Management Information
Systems



**Constance
Kern**

Management Information
Systems



**Keeyung
Kim**

Management Information
Systems



**Geoff
Koch**

Marketing and Supply
Chain Management

Academic & Research Interests:

Arts Entrepreneurship, Film and Music Business,
Video for Business Professionals

Desired Interdisciplinary Collaborations:

Music, Film

Personal Interests:

Paying for my kids' college education, music
composition, Travel



**Jie
Lian**

Marketing and Supply
Chain Management

Academic & Research Interests:

Sustainable Operations, Supply Chain Management

Desired Interdisciplinary Collaborations:

Accounting – Non-financial reporting

Finance – ESG strategies and performance

Economics – Spillover effects in supply networks

Personal Interests:

Traveling, playing games with my daughter, and cooking



**Oleg
Petrenko**

Management and
International Business



**Troy
Smith**

Management and
International Business

Mewbourne College of Earth and Energy



**Son Thai
Dang**

Petroleum and Geological
Engineering

Academic & Research Interests:

Material characterization, Petrophysics, Enhanced oil recovery, Geo-storage, Mass transport in nanoporous media

Desired Interdisciplinary Collaborations:

Cross-disciplinary material characterization and surface science. Energy transition – carbon management. Broadening education across engineering and science disciplines.

Personal Interests:

Cooking, Running, Hiking, CrossFit, Indie Music



**Hao
Hu**

Geosciences

Academic & Research Interests:

Geophysical exploration of energy, Seismic wave propagation, imaging, and inversion, Seismology, High-performance computing (HPC).

Desired Interdisciplinary Collaborations:

Geology, Geodynamics, Petroleum engineering, Geochemistry, Mathematics, HPC.

Personal Interests:

Staying with family, cooking, hiking, working on cars.

Jeannine Rainbolt College of Education



**Mohammad Shams
Duha**

Educational Psychology

Academic & Research Interests:

Online Learning Environments, Social Media in Education, Microlearning, Universal Design for Learning

Desired Interdisciplinary Collaborations:

Any discipline aiming to improve its learning experience design, online learning environment, or learning in general.

Personal Interests:

Playing chess, screenwriting, traveling, filmmaking



**Kathleen
Gallagher**

Instructional Leadership
and Academic Curriculum



**Yuenjung
Joo**

Instructional Leadership
and Academic Curriculum

Academic & Research Interests:

Teacher-child interaction quality, early childhood teacher education, teacher belief, social-emotional learning, child play

Desired Interdisciplinary Collaborations:

Educational psychology, child STEM, teacher well-being, social science

Personal Interests:

Playing guitar, hiking, bouldering, pickle ball, cooking, dog training



**Kaitlin (Kait)
Pericak**

Educational Leadership
and Policy Studies

Academic & Research Interests:

College athlete healthcare, experiences of international college athletes, race/ethnic relations in college athletics, intersectional experiences in college athletics

Desired Interdisciplinary Collaborations:

Physical and/or mental health inequities, race/ethnic relations in HEIs, critical theory

Personal Interests:

Hiking, camping, exploring nature, reading, spending time with my cats

Gallogly College of Engineering



**Md Manjurul
Ahsan**

Engineering Dean Direct



**Ahmad
Al-Douri**

Sustainable Chemical,
Biological and Materials
Engineering

Academic & Research Interests: Process Systems Engineering, Process Design and Optimization, Techno-Economic Assessment, System Safety, Risk Analysis, and Reliability Engineering

Desired Interdisciplinary Collaborations: Policy and technology in the energy transition, Natural hazards assessment and impacts, Alternative fuels and transportation technologies

Personal Interests: Reading history, soccer, running, fitness, coffee.



**Syed Ashik
Ali**

Civil Engineering and
Environmental Science



**Benjamin
Bevans**

Engineering Dean Direct

Academic & Research Interests:

Additive Manufacturing, Computer Vision, Data Analytics, Machine Learning, and In-Process Quality Assurance

Desired Interdisciplinary Collaborations:

Material Science, AI, Computer Science, Sustainability Engineering, and Machine Design

Personal Interests:

Playing games (card, board, video, & RPG), nature walks, biking, hobby making/building, and anything Star Wars



**Christopher
Billings**

Engineering Dean Direct



**Jie
Cao**

Computer Science

Academic & Research Interests:

Natural Language Processing, Machine Learning, Conversational Modeling, Multimodal Analysis, Structured Prediction

Desired Interdisciplinary Collaborations:

Conversational Modeling on Education, Psychotherapy, and Social Science.

Language and Structured Modeling in Linguistics, Robotics, Biomedical, Environmental Science, etc.

Personal Interests:

Hiking, road trips, climbing, cooking



**Jingyao
Dai**

Aerospace and
Mechanical Engineering

Academic & Research Interests:

Developing novel materials such as polymer and ceramic nanocomposites for various aerospace applications; sustainable manufacturing of aerospace-grade composites

Desired Interdisciplinary Collaborations:

Polymer synthesis; sintering of ceramics; modeling of materials' structural behaviors, especially damage behaviors; unique characterization methods such as various in-situ testing techniques

Personal Interests:

Traveling, hiking, reading, and watching movies



**Doga
Demirel**

Computer Science

Academic & Research Interests:

Design, development, and validation of surgical simulators, Interactive Simulations, Haptics, Extended Reality, Human-Computer Interaction, Team training, and improving STEM education through interactive experiences

Desired Interdisciplinary Collaborations:

Psychology, Human Factors Engineering, Medical Doctors, and Hardware Interface development

Personal Interests:

Traveling, spending time with family, and learning new things



**Neelam
Dwivedi**

Engineering Dean Direct

Academic & Research Interests:

Software engineering. Managing data science projects. Blockchain technologies. Distributed systems. Innovative teaching beyond classrooms.

Desired Interdisciplinary Collaborations:

Working with organizations to build competencies in new technologies, specifically AI and data science.

Personal Interests:

Hiking, painting with pastels, learning new technologies and creating instructional materials to help others learn.



Rupa

Haldavnekar

Aerospace and
Mechanical Engineering

Academic & Research Interests:

Innovation in STEM education, Virtual reality in engineering labs, Expanding teaching and learning opportunities for educators and students, Biomedical nano sensors

Desired Interdisciplinary Collaborations:

Semiconductor nanotechnology, education researchers interested in active learning in STEM.

Personal Interests:

Rowing, painting



Reza

Saeed Kandezy

Electrical and Computer
Engineering

Academic & Research Interests:

Power systems/power electronics, particularly novel solutions for power system integration, renewable energy systems, power quality improvement, power converter design, and the analysis of nonlinear, multi-physic-multi-scale dynamical systems.

Desired Interdisciplinary Collaborations:

Collaborations with experts in neuroscience, mathematics, Quantum physic and computer science to innovate at the intersection of advanced signal processing, theoretical frameworks, and computational technologies, addressing complex challenges in neural dynamics and fundamental mathematical problems.

Personal Interests:

Gardening, hiking, and reading books



Qi
Li

Electrical and Computer
Engineering

Academic & Research Interests:

Building Data-driven experimental computer systems to address efficiency, sustainability, and privacy issues within the domain of Cyber-Physical Systems.

Desired Interdisciplinary Collaborations:

Sustainable energy systems; Civil engineering; Industrial and systems engineering.

Personal Interests:

Hiking, kayaking, yoga, biking, spending time with my pets.



**Beiyu
Lin**

Computer Science



**David
Miller**

Biomedical Engineering

Academic & Research Interests:

Translational Research for Improving Outcomes in Surgery, Optical Imaging, Cerebral Blood Flow, Neurosurgery, Neuroscience, Entrepreneurship

Desired Interdisciplinary Collaborations:

- 1) Machine learning for real-time processing and analyzing medical images (computer science and computer engineering)
- 2) Developing optical imaging devices for neurosurgery (mechanical, electrical, and computer engineering and robotics)

Personal Interests:

Ultimate Frisbee, Chess, Pickleball, Board Games, Triathlons, Yummy Food



**Erik
Petrich**

**Electrical and Computer
Engineering**

Academic & Research Interests:

Digital electronics, computer architecture, low-level software, embedded computing, and image processing

Desired Interdisciplinary Collaborations:

Hardware and software interaction, hands-on learning

Personal Interests:

Retro computing, motion graphics, video editing, hobby robotics, and curling



**Ghulam Jilani
Quadri**

Computer Science

Academic & Research Interests:

Information Visualization, Human-Computer Interaction, Data Science, Graphics, Perception & Cognition, Explainable AI

Desired Interdisciplinary Collaborations:

Psychology: Perception & Cognition; Data Communicating, Socio-Technological Studies, Design Studies

Personal Interests:

Gardening, travelling, camping, cooking, music



Alex

Riensche

**Industrial Systems
Engineering**

Academic & Research Interests:

Thermal Simulation, Additive Manufacturing, Process control, Part Property Prediction, Hybrid Additive Manufacturing

Desired Interdisciplinary Collaborations:

Electrical Engineering: Process control integration,
Materials Engineering: Part property prediction and control.

Personal Interests:

Hiking, biking, drone cinematography, 3D printing



**Ali
Shirazi**

Civil Engineering and
Environmental Science



**Nate
Wiggins**

Engineering Dean Direct

Academic & Research Interests:

- **Artificial Intelligence in Engineering:** Exploring the integration of AI and large language models in engineering processes to improve efficiency and decision-making.
- **Systems Engineering and Management:** Focusing on the development of systems that enhance organizational productivity and streamline project management.
- **STEM Education Innovations:** Implementing innovative teaching strategies and technology to enhance learning experiences in STEM fields.

Desired Interdisciplinary Collaborations:

- I am actively involved in developing innovative decision support systems and am always looking for new approaches from both academic and industry perspectives.

Personal Interests:

- I have a gifted daughter in college, a boy that's nearly two years old, and another boy on the way, so my personal life revolves around spending quality time with my family.



**Yi
Wu**

Computer Science

Weitzenhoffer Family College of Fine Arts



Myles

Boothroyd

Music

Academic & Research Interests:

Saxophone History & Pedagogy, Contemporary Music, Musicians' Productivity & Psychology, Digital Technology & Creativity

Desired Interdisciplinary Collaborations:

Digital Humanities, Digital Ethics, Visual Art & Media, Psychology, English Literature

Personal Interests:

Reading, Board Games, Finance, Running, Cooking, Movies, and Dogs!



**Lane
Folds**

Music

Academic & Research Interests:

Music Teacher Educators, Student Teaching Seminars, Instrumental Methods and Techniques, Extramusical Stimuli in Performance, Music Teacher and Music Teacher Educator Identity Development

Desired Interdisciplinary Collaborations:

Philosophy and Education; Student Teacher Seminar and Internship Creation, Evaluation, and Analysis

Personal Interests:

Reading, Gaming, Collecting, Musical Performances, Running



**Scott
Guthrie**

Musical Theater

Academic & Research Interests:

Musical Theatre History and Performance, Theatre for Social Change, Theatre Pedagogy, and Theatre Entrepreneurship

Desired Interdisciplinary Collaborations:

Visual/Media Arts for production collaborations, Anthropology/Sociology for Theatre's role in society, and Medical/Legal/Business for potential synergy for simulations.

Personal Interests:

Being a dad and husband, cooking, dogs, all things Marvel, watching movies, fitness, ice cream, laughter



Steven
Ha
Dance

Academic & Research Interests:

Ballet, Romanticism, 19th and 20th century history, Art Criticism

Desired Interdisciplinary Collaborations:

Writing, Art History, Music, Theatre, Visual Arts, Latinx Studies, Native American Studies, Women & Gender Studies

Personal Interests:

Dogs, Magic the Gathering, Pin collecting, Food, Gymnastics, Tennis



**Maria
Kaoutzani**

Music

Academic & Research Interests:

Music composition (acoustic and electroacoustic); orchestration; vocal composition; ethnomusicology

Desired Interdisciplinary Collaborations:

Musical setting of modern literature and poetry; the arts and social activism; performance art/embodied musical performance; intercultural collaborations through alternate music notations

Personal Interests:

Being in/on/near the water, exploring new places, running, dancing



**Ananda
Keator**

Drama

Academic & Research Interests: Costume Technology, Clothing as Meme, Emerging tech in clothing

Desired Interdisciplinary Collaborations: I'm open to and interested in anything!

Personal Interests:

Reading, knitting, crazy cat lady, cooking, listening to pod casts about true crime and spooky things, learning new things, hiking



**Hyun
Kim**

Music

Academic & Research Interests:

- Integration of Music and Artificial Intelligence,
- Neurobiological Foundations of Music Perception and Cognition
- Therapeutic Effects of Music on Dementia
- Opera
- Art Songs in German, French, and Italian Traditions

Desired Interdisciplinary Collaborations:

Exploring the Impact of Music on Cognitive Function Recovery

Personal Interests:

Skiing, Antique musical instruments, museums, and the tea cultures of Europe and Asia



**Rachel
Neece**

Music

Academic & Research Interests:

Classical Guitar and Lute; Historical Performance Practices; Cross-cultural Musical Exchange in the Middle Ages; Medievalism Studies

Desired Interdisciplinary Collaborations:

Global Middle Ages, Music and Theology

Personal Interests:

Books, Puzzles, Dogs



**Erin
Palmer**

Music

Academic & Research Interests:

Piano, Vocal Coaching in Opera and Art Song, Lyric Diction in German, French, and Italian, Works set to poetry by under-represented composers, E. Pauline Johnson Tekahionwake

Desired Interdisciplinary Collaborations:

Language departments, collaborations between music – poetry – dance – writing

Personal Interests:

Learning new languages, visiting new countries, street food, reading historical fiction, being outside



**Connor
Stevens**

Music

David L. Boren College of International Studies

Gaylord College of Journalism and Mass Communication



**Andrea
Miller**

Journalism



**Carl
Thompson**

Journalism

College of Professional And Continuing Studies (PACS)



**Rachel
Feinstein**

Professional and
Continuing Studies

Academic & Research Interests:

Sociology, race/ethnicity, gender, criminology, juvenile justice

Desired Interdisciplinary Collaborations:

Psychology, child development, education with a focus on preventing juvenile delinquency, restorative justice and mediation

Personal Interests:

Spending time with my two young children, gardening, and traveling



**Arunava
Roy**

Professional and
Continuing Studies

Academic & Research Interests: Science Education, Instructional Strategies and Learning Technologies, Curriculum Development and Assessment, Course-based Undergraduate Research, Adult Learning and Continuing Education, K-12 Teacher Training and Professional Development.

Desired Interdisciplinary Collaborations: STEM Education & Outreach, Integration of Music and Arts in STEM, Application of Computer Science in Physics and Astronomy, Enhancing First Year Experience Programs, Development of Online and Hybrid Learning Platforms.

Personal Interests: Biking, hiking, traveling, volunteering, tinkering with AI

Expository Writing



**Anna
Trevino**

Expository Writing

College of Law



**Kevin
Buono**

Law

Academic & Research Interests:

Health Law, Patients' Civil/Constitutional Rights, Appellate Advocacy, Legal Research and Writing, Legal History

Desired Interdisciplinary Collaborations:

graduate medical education/training, innovations in medical devices and pharmaceuticals, healthcare compliance, healthcare policy

Personal Interests: whitewater rafting, hiking/ exploring the U.S. national park system, literature, old movies, politics, folk music



**Anna
Carpenter**

Law



**Jon
Lee**

Law

OU Polytechnical Institute



**Ahmed Ashraf
Butt**

Polytechnic Institute



**Christopher
Freeze**

Polytechnic Institute

Academic & Research Interests:

Reducing burnout, stress, and turnover in the cybersecurity field, understanding behavioral cybersecurity, and hope-centered leadership.

Desired Interdisciplinary Collaborations:

Education, business, conflict resolution, human resources

Personal Interests:

Spending time with my family not thinking about work, learning something new, visiting interesting places.



**John
Hassell**

Polytechnic Institute



**Sungbo
Jung**

Polytechnic Institute



**Gregory
MacDonald**

Polytechnic Institute



**Muhammad Sajid
Riaz**

Polytechnic Institute

Academic & Research Interests:

Biomedical signal processing, AI-enabled healthcare diagnostics, diagnostics of viral infections, enrichment of noisy and incomplete image/audio data. Solutions of cross-disciplinary problems using artificial intelligence.

Desired Interdisciplinary Collaborations:

Immunology, Viral Infections Pattern Recognition, Economic Development, Healthcare, Emerging cellular networks.

Personal Interests:

Running, Cricket, promoting health via sports, food, and lifestyle changes.



**Chad
Roller**

Polytechnic Institute



**Chenggang
Wang**

Polytechnic Institute

Academic & Research Interests:

Data privacy and security, network security, IoT, machine learning, Blockchain, LLM, and AI for science

Desired Interdisciplinary Collaborations:

AI for science, AI for health, Data mining & Analytics, Biometrics & Computer Vision, Industrial Network & Smart Agriculture

Personal Interests:

Hiking, running, tennis and table tennis, cooking, and DIY projects