

Department of Agricultural, Environmental,
and Development Economics

Faculty Directory



*Economics applied to
real-world problems.*



**THE OHIO STATE
UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

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Letter *from the Chair*



The Department of Agricultural, Environmental, and Development Economics (AEDE) within The College of Food, Agricultural, and Environmental Sciences (CFAES) was recently ranked as the number one agricultural economics department in the nation for scholarly research activity. I am proud to share this faculty directory containing the 21 world-class faculty members who put AEDE at the forefront of cutting-edge research on agricultural and environmental issues. Our department is home to the most diverse faculty of agricultural economics in the country. We have a strong commitment to interdisciplinary collaboration, which is essential in promoting an inclusive, equitable, prosperous and sustainable society.

While we have certainly gone through many changes since our department – then called Rural Economics – was founded in 1904, one constant has been our commitment to fulfilling Ohio State’s land-grant mission as part of the cornerstone college of The Ohio State University. Not only are our faculty committed to generating innovative knowledge to solve problems in Ohio, the United States and internationally, they are dedicated to disseminating that knowledge through teaching, Extension and outreach. We take pride in educating future generations of leaders in our undergraduate and graduate programs, and in providing knowledge and expertise to inform decisions of Ohioans, policymakers and stakeholders.

Now more than ever it is important we trust our experts and look to their research and expertise as a guidepost in tackling the many global challenges we are facing as a society. This directory gives an overview of our faculty expertise and the real-world problems our department is working to solve. I would also encourage you to [visit our website](#) to learn more about our faculty, students, academic programs and outreach.

Sincerely,

Tim Haab

Dr. Tim Haab

Professor, AEDE Chair, Dean’s Chair,
Leader of the CFAES Knowledge Exchange (KX)

Elena Irwin

Distinguished Professor of Food, Agricultural, and Environmental Sciences in Economics and Sustainability



CONTACT



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EDUCATION



PhD Ag. & Resource Econ.
University of Maryland
BA German and History
Washington University



Dr. Elena Irwin serves as faculty director of the [Sustainability Institute](#) at Ohio State. Her research addresses the sustainability of human-natural systems at local and regional scales, with a focus on land use, ecosystem services and integrated models of land-water systems. She has been lead or co-lead on multiple research projects totaling over \$16 million in funding from the National Science Foundation, NOAA, USDA and private foundations. Dr. Irwin was recently appointed to the EPA's chartered [Science Advisory Board \(SAB\)](#) and as a member of the Agricultural Science Committee.

Areas of expertise



Land Use Economics



Urban-Rural Interactions



Environmental Economics

Real-world questions my research can address:



How do we think about, define and assess the sustainability of local and regional scales?



How do different interventions (policy, technology, etc.) impact environmental and economic trade-offs?



What factors matter the most for farmers when making land use or management decisions, and how do their decisions impact water quality?



Where do people and industry choose to locate? How do amenities influence these decisions?

Selected highlights



Serves as faculty director of the [Sustainability Institute](#) at Ohio State, providing leadership to interdisciplinary sustainability research and teaching across the university.



Leads the NSF-funded [DRFEWS](#) project, that looks at how deglobalization will impact the food, energy and water systems in our regions, informing policy in times of change and uncertainty.

Mark Partridge

C. William Swank Chair in
Rural-Urban Policy
Professor



CONTACT



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EDUCATION



MS and PhD Economics
**University of Illinois at
Urbana-Champaign**
MA Economics
University of Wyoming
BA Economics
University of Montana



Dr. Mark Partridge is the [C. William Swank Chair in Rural-Urban Policy](#) and has been with AEDE since 2006. He is also an economic consultant at the Federal Reserve Bank of Chicago; Adjunct Professor at Jinan University, Guangzhou China; and Gran Sasso Science Institute, L'Aquila, Italy. Previously, he was the Canada Research Chair in the New Rural Economy at the University of Saskatchewan. Dr. Partridge has published over 125 peer-reviewed journal papers. His work has been ranked number one in regional science and among the top-1000 economists in the world.

Areas of expertise



Community and
Regional Economics



Poverty and
Income Inequality



Regional Economic
Development and
Growth

Real-world questions my research can address:



What factors make certain areas grow more quickly and attract more jobs? What can we do to stabilize places that are in decline and losing people?



What is the most optimal tax policy at the state and local levels?



Where do poverty clusters exist? What can we do to address them? Why do some regions trap the poor?



What are the trends related to demographic and population changes? What causes these changes? What can we learn from census data?

Selected highlights



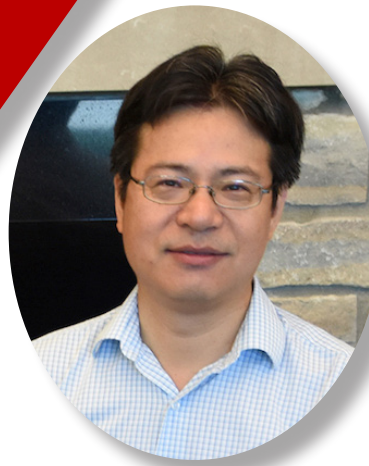
Leads the [C. William Swank Program in Rural-Urban Policy](#), which is a nationally and internationally recognized research and outreach program focused on priority issues related to rural and urban communities and their growth.



Through the C. William Swank Program in Rural-Urban Policy, Dr. Partridge led a study on the state of the opioid crisis in Ohio, resulting in the report, ["Taking Measure of Ohio's Opioid Crisis."](#)

Yongyang Cai

Associate Professor



CONTACT



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EDUCATION



PhD Computational and
Mathematical Engineering
MS Financial Mathematics
Stanford University

Dr. Cai is a computational and environmental economist, and core faculty at the [Sustainability Institute](#) at Ohio State. His current research focuses on using economic models to anticipate the impact of future climate change scenarios and tipping points; integration of regional food, energy, water systems and the economy; and computational methods in economics. He has published peer-reviewed papers in leading academic journals, and is a co-investigator on several research projects funded by the National Science Foundation and USDA-NIFA.

Areas of expertise



Climate Change
Economics



Computational
Economics



Modeling economic,
food, energy and
water systems

Real-world questions my research can address:



What are the impacts of climate tipping points? How can we address the climate tipping points?



What is the social cost of carbon (SCC)? How can we best estimate the SCC?



How can we mitigate carbon emissions while considering future climate and economic uncertainties?

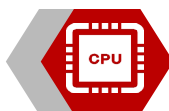


What are the optimal policies for climate change and sustainable growth?

Selected highlights



Recipient of the [2021 Erik Kempe award](#) in environmental and resource economics for his paper, [The Social Cost of Carbon with Economic and Climate Risks](#).



Collaborator on [ICICLE](#), an NSF-funded project building AI cyberinfrastructure to improve food-sheds, agriculture and animal ecology.

Sathya Gopalakrishnan

Associate Professor



CONTACT



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EDUCATION



PhD Environ. and Resource Econ.

Duke University

MS Agricultural Economics

Michigan State University

MA Economics

University of Hyderabad

B. Com

Brakatullah University

Dr. Sathya Gopalakrishnan is an environmental and resource economist and has been with AEDE since 2011. She is also on the faculty of the [Environmental Science Graduate Program](#), is a founding member of the [STEAM Factory](#) at Ohio State and is a faculty fellow in the [Office of Knowledge Enterprise](#). Dr. Gopalakrishnan's research focuses on exploring interdependencies between economic decisions and dynamic biophysical processes that impact natural resources. She also teaches environmental and resource economics at the undergraduate and masters levels.

Areas of expertise



Valuing Environmental and Natural Resources



Sea Level Rise and Coastal Resilience



Feedback between natural and human systems

Questions that motivate my research:



What is the impact of climate-induced hazards on coastal communities?



How does water quality in the Lake Erie region impact recreational choices and where people choose to live?



How can communities sustainably manage natural resources across space and over time?



How do interdisciplinary collaborative networks impact informal learning?

Selected highlights



Co-founded the [STEAM Factory](#) in 2012. It has grown to include more than 220 members representing over 65 departments and focuses on interdisciplinary collaboration, innovation and dissemination of science.



Serves as principal investigator for the NSF-funded project, [Convergent Learning From Divergent Perspectives](#), building a novel, multidisciplinary platform for informal learning that integrates arts and humanities with science and engineering.

Tim Haab

Department Chair
Professor



CONTACT



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EDUCATION



PhD Ag. & Resource Econ.
Maryland-College Park

BA Economics
Maryland-Baltimore County



Dr. Tim Haab's research and teaching focuses are on environmental economics, consumer behavior and applied econometrics. His recent research has looked at the impacts of harmful algal blooms in Lake Erie, the impacts of the BP/Deepwater Horizon oil spill in the Gulf of Mexico and the impacts of marine debris on southern California beaches. Dr. Haab joined the department in 2000, and has served as the department chair since 2010. He was appointed Dean's Chair for Transformative Initiatives and Director of the CFAES Knowledge Exchange (KX) in 2020.

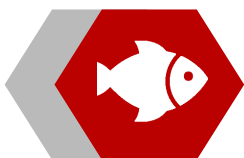
Areas of expertise



Valuing Environmental
and Natural Resources



Natural Resource
Damage Assessment



Valuing Outdoor
Recreation

Real-world questions my research can address:



How do we value things that do not have prices (clean air, clean water, public green spaces, etc.)?



What is the value of outdoor recreation? How does demand for it change over time?



What are the economic damages from natural disasters?



How do I analyze the data I have collected?

Selected highlights



Leads the [Knowledge Exchange \(KX\)](#), a university-community partnership for research integration, translation and communication.



Co-author/editor of the [Environmental Economics' blog](#), which has more than 3 million lifetime views.

H. Allen Klaiber

Professor



CONTACT



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EDUCATION



PhD Economics
ME Economics
BS Computer Science
North Carolina State University



Dr. Allen Klaiber has been with AEDE since 2011 and serves as the graduate studies chair for the department. Dr. Klaiber's research program in environmental economics focuses on the linkages between humans, their behavior and their surroundings. He has served as lead or co-lead on multiple research projects exceeding \$5.9 million in funding. Dr. Klaiber also teaches courses at the undergraduate, masters and PhD levels. His formal appointment is split between teaching (55%) and research (45%). He previously served as an assistant professor at Pennsylvania State University.

Areas of expertise



Environmental
Economics



Valuing Environmental
and Natural Resources



Land Use
Economics

Real-world questions my research can address:



What tradeoffs are people willing to make in order to alter environmental services and their surroundings?



What are the impacts of changes in climate and severe weather on peoples' choices and wellbeing?



What are the economic impacts of unconventional shale gas exploration on nearby residents? How are the environment, land use and home values impacted? What should policy makers consider?



What types of farms are likely to survive the transition to urbanization? What will the landscape look like in 20 years? What will be the environmental impacts?

Selected highlights



Teaches Environmental and Resource Economics, Benefit-Cost Analysis and Advanced Environmental Resource Economics.



Serves on the editorial councils of the top two field journals in environmental economics, the Journal of Environmental Economics and Management and the Journal of the Association of Environmental and Resource Economists.

Daniela Miteva

Associate Professor



CONTACT



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EDUCATION



PhD Environment
Duke University

BA Economics
BA Biology
Bryn Mawr College



An applied microeconomist, Dr. Daniela Miteva works on topics like promoting conservation and development in working lands (including voluntary supply-chain interventions), improving the effectiveness of protected areas, and modeling the role of institutions (e.g., the establishment of property rights, decentralization and devolution of natural resource management rights, community management) in sustainability. Previously, Dr. Miteva was a postdoctoral associate at The Nature Conservancy and a visiting researcher at the Institute on the Environment at the University of Minnesota.

Areas of expertise



Environmental and
Development
Economics



Valuing Ecosystem
Services



Policy Evaluation

Real-world questions my research can address:



What are the mechanisms of landscape change?
Where are landscapes changing? Why?



How can we quantify and value ecosystem services?



How can we quantify the impacts of policy interventions? Where do complementarities and trade-offs between the environmental and socio-economic goals of policies occur?



How can we incentivize both conservation and development?

Selected highlights



Serves as core faculty at the [Sustainability Institute](#) at Ohio State, an organization dedicated to advancing sustainability and resilience scholarship and activities.



Co-leads the project, Evaluating the Impacts of Minnesota's Agricultural Water Quality Certification Program (MAWQCP).

Brent Sohngen

Professor



CONTACT



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Brent Sohngen conducts research on the economics of climate change and land use, the design of incentive mechanisms for water and carbon trading and the valuation of ecosystem services. He developed a global land use model that is widely used to assess the implications of climate change on ecosystems and markets, and to assess the costs of carbon sequestration in land-based activities. He teaches “Introduction to Sustainability” and “Energy, the Environment and the Economy”.

Areas of expertise



Climate Change



Valuing Environmental Resources



Water Quality

Real-world questions my research can address:



How does climate change affect forest and agricultural ecosystems?



How costly is it to avoid climate change?



How effective and costly are carbon sequestration contracts? How do they affect landowners?



How do we value ecosystem services, such as carbon, recreation and habitat?

Selected highlights



Lead Author on Chapter 7 of the 2021 Working Group III Report of the Intergovernmental Panel on Climate Change.



Co-authored the report, “[Economic Valuation of Natural Areas in Ohio](#),” which estimates the value of outdoor recreation in Ohio.

Wuyang Hu

Professor



CONTACT



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EDUCATION



PhD Ag. & Resource Econ.
University of Alberta, Canada

BS Finance and Insurance
**Central University of
Finance and Econ, China**



Dr. Wuyang Hu has been with AEDE since 2018, and serves as the honors coordinator for the department. Dr. Hu's research focuses on consumer economics, behavioral economics, marketing, applied econometrics, environmental and resource economics and development economics. Dr. Hu is a reviewer or board member for over 60 academic journals and professional organizations. Previously he was the H. B. Price endowed professor in the Department of Agricultural Economics and co-founder of the Food System Innovation Center at the University of Kentucky.

Areas of expertise



Marketing and
Consumer Economics



Resource and
Environmental
Economics



Experimental
Economics

Real-world questions my research can address:



Why do consumers make certain decisions? What factors influence their preferences and behavior?



How can we use incentives and other motivators to drive more sustainable behaviors?



How can we use better survey design to reduce bias and generate more truthful responses?



What are consumer perceptions and decisions surrounding products such as meat alternatives? What are the price differentials people are willing to pay?

Selected highlights



Has served as the editor of the *Canadian Journal of Agricultural Economics*, the flagship journal of the Canadian Agricultural Economics Society, since 2011.



Serves as a project supervisor for [Bee Campus Ohio State](#), a student-driven initiative to make Ohio State a pollinator friendly campus.

Margaret Jodlowski

Assistant Professor



CONTACT



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EDUCATION



PhD Applied Econ. and Management
Cornell University

BA History; BS Ag./Consumer Econ.
MS Ag. and Applied Economics
**University of Illinois at
Urbana-Champaign**



Dr. Margaret Jodlowski is an agricultural economist who joined AEDE in 2020. She broadly works in the areas of agricultural labor and risk management. Her research focuses on domestic and international agricultural issues, with a special emphasis on farm labor and farm household dynamics. She has on-going projects looking at how changing labor markets, immigration policy and demand for federal crop insurance impacts farm-level production and financial decisions. Another major strand of her work looks at the relationships between managing environmental, production and financial risk.

Areas of expertise



Farm Labor



Farm Household
Dynamics



Risk Management
Programs

Real-world questions my research can address:



What are the off-farm decisions made by farm households? How do they impact the local economy?



How does crop insurance change a farm's credit behavior?



What are implications of the Farm Workforce Modernization Act of 2021?



How do issues such as legalization, immigration enforcement and mechanization impact farm labor?

Selected highlights



Author of "[Ohio's H-2A and H-2B workforce: An update.](#)" a 2021 report on the status of temporary work visas in the Ohio food and agriculture sectors.



Co-author of "[On the money: Characterizing banking and lending in the California cannabis industry.](#)" published in *Agricultural Finance Review*.

Ani Katchova

Farm Income
Enhancement Chair

Professor



CONTACT



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EDUCATION



PhD Ag., Environmental, and
Development Economics
The Ohio State University

Dr. Ani Katchova chairs the Farm Income Enhancement Program in AEDE, and conducts research and outreach on U.S. agricultural economics issues. Her research areas include agricultural finance, agribusiness management and marketing and applied econometrics. Her research has been published in many leading journals and has been supported by more than \$2.3 million in grants. She teaches courses in agribusiness finance and applied econometrics. She has received two Outstanding Research Awards from the Agricultural Finance and Management section of the Agricultural and Applied Economics Association. She is a 2001 graduate of AEDE and has been a faculty member in the department since 2015.

Areas of expertise



Agricultural and
Farm Finance



Agribusiness
Management and
Marketing



Farm Income
Forecasting

Real-world questions my research can address:



How accurate are USDA agricultural baseline projections that cover farm income and agricultural commodities indicators?



Are the USDA farm income forecasts rational?



What is the impact of farm financial stress on agricultural lending?



What strategies can be utilized by farm businesses to enhance income and long-term stability?

Selected highlights



Oversees the [Farm Income Enhancement Program](#), developing and delivering research, education and outreach to enhance farm income and promote long-term stability for farm businesses.



[Econometrics Academy](#)TM: Founded the academy to provide free Econometrics training and education to anyone in the world.

Seungki Lee

Assistant Professor



CONTACT



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EDUCATION

PhD Economics
Iowa State University

MA Economics
Seoul National University

BA Economics and Management
Handong Global University

Dr. Seungki Lee is an agricultural economist who joined AEDE in 2021. His areas of expertise include agricultural economics, environmental and resource economics and industrial organization. His research currently focuses on R&D activities and the impact of new technologies in the agricultural sector. Specifically, his current projects are centered on advances in biotechnologies, such as genetically engineered seeds, with a specific emphasis on uncovering their implications on farmers' welfare, environmental effects and sustainability to climate change.

Areas of expertise



Agricultural Innovation
and Technology Adoption



Environmental
Economics



Climate Change

Real-world questions my research can address:



What are the impacts of new technologies on farming and climate change? How does adoption impact farm profits?



What are the benefits and risks to adopting certain farming practices such as planting cover crops?



How does technology impact crop yields in certain areas across the United States?



How can market analysis tools be utilized to evaluate new farming technologies?

Selected highlights



Author of "[Estimating the value of innovation and extension information: SCN-resistant soybean varieties.](#)"



Author of "[Agricultural Innovation and Adaptation to Climate Change: Insights from Genetically Engineered Maize.](#)"

Anna Parkman

Associate Professor



CONTACT



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EDUCATION



PhD Organization and Management
University of Capella

MBA
University of Charleston

BA Psychology & Social Work
Cedar Crest College

Dr. Anna Parkman serves as the undergraduate program leader and internship coordinator in AEDE. She brings years of experience in small business management and human resources to the classroom. Most recently she was an associate professor of management and organizational behavior at Ohio Dominican University, serving as the director of graduate business programs. Previously, she served as the Cecil I. Walker Chair of the Jones Division of Business at the University of Charleston.

Areas of expertise



Imposter
Phenomenon



Active Learning



Stereotype Threat

Real-world questions my research and teaching can address:



Do individuals feel like they belong in their jobs? Do they feel others respect their skillsets?



How can employers attract, manage and retain a diverse workforce?



What are things that can prevent employees, units and organizations from achieving their goals?



Why do individuals with significant amounts of knowledge, skills and experience not achieve their capacity for success? What gets in their way and how can we remove obstacles that negatively impact an individual's ability to achieve their goals?

Selected highlights



Certified in Cultural Intelligence (CQ) and Unconscious Bias through the internationally recognized Cultural Intelligence Center.



Member, Academy of Management, Women in Agribusiness, Women for Economic Leadership Development (WELD); Reviewer, *Oxford Review of Education*.

Zoë Plakias

Assistant Professor



CONTACT



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EDUCATION



PhD Ag. and Resource Economics
University of California, Davis

BA Economics
Western Washington University

Dr. Zoë Plakias is an agricultural and food systems economist interested in all facets of the contemporary food system. She is currently conducting research on food product reformulation, food security in rural southeast Ohio, cannabis markets in California and emergency management in food systems. She teaches courses on benefit-cost analysis and principles of food and resource economics. She is a faculty affiliate of the [InFACT Discovery Theme](#) and the [Sustainability Institute](#) and serves on the Executive Leadership Board of the [STEAM Factory](#).

Areas of expertise



Food Supply
Chains



Food and
Agricultural Policy



Local and Regional
Food Systems

Real-world questions my research can address:



How can we build a food system of the future that is better for all people and the environment?



Are food and agricultural policies having their intended effects? What are the unintended consequences?



What is the role of democratic organizations (e.g., cooperatives) in food systems?



How do we alleviate disparities in terms of race, ethnicity, gender and institutional type in how we do our work as applied economists?

Selected highlights



Guest on the [KX Emerging Research Podcast](#), discussing the application of cost-benefit analysis in a new way on her collaborative food systems resiliency project.



Created the [Racial Justice Pathways](#) program with collaborators in the STEAM Factory, an infrastructure to help Ohio State faculty and staff address racial equity in their work through tangible action.

Brian Roe

Associate Chair
VanBuren Professor



CONTACT



614-688-5777



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EDUCATION



PhD Ag. & Resource Economics
University of Maryland

BS Ag. Econ./Ag. Journalism
University of Wisconsin



Dr. Brian Roe has broadly worked in the areas of agricultural and environmental economics, focusing on issues in agricultural marketing, information policy, behavioral economics and product quality, since arriving at Ohio State in 1998. He helped form and leads the [Ohio Food Waste Collaborative](#), a collection of researchers, practitioners and students working together to promote the reduction and redirection of food waste as an integral part of a healthy and sustainable food system. Roe previously was as a fellow at the FDA, working on issues of food safety and health information disclosure policy.

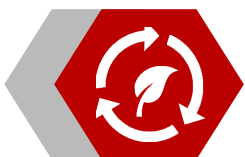
Areas of expertise



Food Waste



Farm
Management



Nutrient
Management

Real-world questions my research can address:



How do people interpret certain food labeling claims such as “organic,” “non-GMO,” “eco-friendly,” “low sugar,” etc.?



What are the benefits of standardizing food date labeling?



How can we incentivize farmers to use the correct amount of nutrients to reduce runoff and impacts to water quality?



How can we track and identify patterns in household food waste, and develop effective interventions that reduce food waste and support circular solutions?

Selected highlights



Co-principal investigator on [The Multiscale RECIPES for Sustainable Food Systems](#), a \$15 million NSF-funded project to reduce food waste.



Leads an [EPA-funded project](#) with SWACO and the city of Upper Arlington, to assess the effectiveness of a food waste awareness campaign.

Leah Bevis

Assistant Professor



CONTACT



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EDUCATION



PhD Applied Economics
Cornell University

BA Geography and Economics
Middlebury College



Dr. Bevis joined AEDE in the fall of 2016. Her research focuses on factors that drive chronic poverty in poor, agricultural settings, generally in Africa or South Asia. Often that means she focuses on agricultural productivity, or environmental determinants of health. Some of her work also explores seasonality in adult and child health in poor countries. She is also investigating linkages between soil minerals, crop mineral content and human health in Uganda, Nepal, Malawi and India. A separate strand of her research examines intergenerational income and human capital transmission — in particular the role of maternal education and maternal health on later life child outcomes.

Areas of expertise



Agricultural
Productivity



Nutrition and
Health



Intergenerational
Poverty and Health

Real-world questions my research can address:



Why is agricultural productivity lagging in certain developing countries and how can we increase it?



How can we improve nutrition and health in developing countries?



What is the relationship between soil and micronutrient malnutrition?



How does maternal health impact the health of offspring? How can we use factors such as maternal height to predict health outcomes in children?

Selected highlights



Hosts [annual panel on non-academic research jobs for development economists](#), sponsored by the AAEA graduate student and international sections.



Recipient of an Outstanding *American Journal of Agricultural Economics* Reviewer award, where she also now serves as an associate editor.

Joyce Chen

Associate Professor



CONTACT



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EDUCATION



PhD Economics
Harvard University

BA Economics
Brown University



Dr. Joyce Chen is a development economist. Her research focuses on the complex relationships between migration, climate change, economic development and the intra-household allocation of resources. She is active in efforts aimed at enhancing diversity, equity and inclusion within academia in particular. She holds a courtesy appointment in the Department of Economics and is a research fellow at the Institute for the Study of Labor (IZA) and a faculty affiliate at the [Institute for Population Research](#). She served as chair of the Committee on Women in Agricultural Economics in the Agricultural and Applied Economics Association in 2020-21.

Areas of expertise



Migration



Labor Economics



Household
Bargaining

Real-world questions my research can address:



What is the relationship between migration, education and development?



How do the household strategies of temporary and permanent migrants differ?



How does climate change impact migration, and what is the resulting impact on risk and resilience in vulnerable areas?



How do incentives, information and social norms impact the motives and potential for cooperation and efficiency within households?

Selected highlights



The BBC featured a story, "[The country disappearing under rising tides](#)," about Dr. Chen's work studying the impacts of rising sea levels on rural Bangladeshis.



Currently serving as a senior economist with Amazon, working on diversity, equity and inclusion initiatives.

Nicholas Dadzie

Senior Lecturer



CONTACT



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EDUCATION



PhD Agricultural, Environmental,
and Development Economics
MA Economics
The Ohio State University

BS Agriculture
**Kwame Nkrumah' University of
Science and Technology**

Dr. Nicholas Dadzie is originally from Takoradi, Ghana. He teaches a number of courses in the undergraduate and graduate programs in AEDE. Dr. Dadzie is a two-time graduate of the department, earning his PhD in 2013. His research areas include food consumption choices in the presence of shocks and contract farming in Sub-Saharan Africa. Prior to returning to Ohio State, Dr. Dadzie taught economics at Ohio University and Bowling Green State University.

Areas of expertise



Development
Economics



Food Consumption
Choices



Rural Non-Farm
Employment in
Sub-Saharan Africa

Real-world questions my research and teaching can address:



What are the long-term consequences of shocks and downturns? How do they impact livelihoods, consumption and risk behaviors?



What theories and methodologies can be used to analyze rural and regional economic development?



What are local and global factors that cause food insecurity? What are potential solutions?



How does population growth, agricultural development, industrialization, trade, etc. shape economic development in different regions?

Selected courses taught



Regional Economics and Sustainable Growth

Food Security and Globalization



Comparative Challenges to Economic
Development: Sub-Saharan Africa, Latin
America and China

Mario Miranda

Professor



CONTACT



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EDUCATION



PhD Econ. & Industrial Engineering
MS Economics
University of Wisconsin-Madison
BA Mathematics
College of Wooster



Dr. Mario Miranda has been with AEDE since 1988 and is a Fellow of the Agricultural and Applied Economics Association. His research has produced more than 70 peer-reviewed articles, two of which are among the three most frequently cited articles on “agricultural insurance.” Dr. Miranda has served as an Associate Editor of the Journal of Economic Dynamics and Control, the American Journal of Agricultural Economics and Computational Economics. He has consulted for many organizations including the World Bank and the USDA, and has made over 170 presentations to professional and academic audiences. He has worked extensively on research projects in Africa and Latin America.

Areas of expertise



Agricultural Risk
Management



Agricultural Finance
and Insurance



International Economic
Development

Real-world questions my research can address:



How can we make credit available to farmers in developing countries?



How can we find ways to insure lenders using index insurance?



How can we use credit to increase farmer income and help farmers in developing countries emerge from poverty?



What is the impact of crop insurance on availability and access to agricultural credit for U.S. farmers?

Selected highlights



Authored the book, *Applied Computational Economics and Finance*, which is used in PhD courses by many of the world’s leading doctoral programs.



Created the [CompEcon Toolbox](#), a suite of Matlab programs for numerical analysis of economic models. It contains an extensive set of demonstration programs drawn from a variety of fields of application in economics. Accompanying [lecture notes](#) are also available.

Abdoul Sam

Professor



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EDUCATION



PhD Economics
MS Ag. and Resource Econ.
University of Arizona
BS Management
U. Gaston Berger-Senegal



Dr. Abdoul Sam joined AEDE in 2005. His research explores issues primarily in environmental and development economics. His research in environmental economics analyzes voluntary pollution reduction (overcompliance) programs which have become an important element of the environmental protection toolkit in the US and many other countries. His research in development economics studies gender inequalities in agriculture and the adoption of financial and technological innovations by farmers in developing countries. His research has been published in many prominent peer-reviewed journals. Dr. Sam has served as Associate Editor of the American Journal of Agricultural Economics and on the Editorial Board of the African Journal of Agricultural and Resource Economics.

Areas of expertise



Corporate
Environmentalism



Development
Economics



Financial Economics

Real-world questions my research can address:



What motivates firms to sign-on to voluntary pollution reduction programs? Do participants follow-through? Do the programs work?



Do voluntary pollution reduction programs improve the efficiency and financial performance of participant firms?



How does adopting new financial and technological innovations impact farmer welfare, income and crop yields?



How do gender inequalities impact the welfare of women in developing economic systems?

Selected highlights



Serves as director of the Master of Applied Economics graduate program, a two-semester professional program focusing on practical skills and data analysis.



Serves on the advisory board for the USAID-funded grant program Advancing Local Leadership, Innovation and Networks (ALL-IN), which focuses on supporting collaborative research in Africa.

Ian Sheldon

The Andersons Chair of
Agricultural Marketing,
Trade and Policy

Professor



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EDUCATION



PhD Economics
BSc (Hons) Economics
University of Salford, UK



Dr. Ian Sheldon serves as the [Andersons Chair of Agricultural Marketing, Trade and Policy](#). His research interests are in analyzing international trade and policy. Recent projects include examination of the interaction between trade and environmental policies; analysis of the effects of exchange rate volatility on international trade flows; examination of the effects of policy on trade in ethanol; and analysis of China's exchange rate policies. He works on issues related to carbon tariffs, and the impact of intellectual property rights on U.S. seed exports. He completed a term as Chair of the International Agricultural Trade Research Consortium, and served as Featured Articles Editor of *Applied Economic Perspectives and Policy*.

Areas of expertise



International
Agricultural Markets



Agricultural Trade



Agricultural Policy

Real-world questions my research can address:



What is the intersection between international trade and environmental trade policy?



How does trade policy (e.g. NAFTA) impact Ohio agriculture, farmers and associated state industries?



Why do we trade? What do we trade? What are the benefits of trade globalization? What are the impacts of the U.S. - China trade war?



What are the key anti-trust issues in agriculture?

Selected highlights



Oversees the [Andersons Program in International Trade](#), which focuses on research and outreach in the area of international trade and public policy.



Elected as a Fellow of the Agricultural and Applied Economics Association (AAEA) in 2019.



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