



Expert Contacts

Name	Title	Contact	Topics
Brian Waldron	Director of CAESER	bwaldron@memphis.edu	• All things CAESER
Stephanie Ivey	Associate Director of Transportation & Logistics	ssalyers@memphis.edu	• Community livability • Impacts of transportation on livability • Transportation workforce
Rodrigo Villaloando Vizcaino	Assistant Director of Water Resources & Field Operations	rvlllpnd@memphis.edu	• Groundwater • Surface water • Monitoring networks • Hydrogeology • Microplastics
Paulina Reyes Garcia	Assistant Director of Environmental & Geospatial Analyses and Scientific Communications	prysgrca@memphis.edu	• Hydraulic properties • Riverbed thickness • Surface water-groundwater interactions • Monitoring network utilizing telemetry systems • GIS tools
Eddie Jacobs	Senior Researcher – Drones & Advanced Sensors	eljacobs@memphis.edu	• Imaging sensor technologies • Modeling, analysis, and development of military sensing systems •
Alf Ramirez	Research Assistant Professor	ajramirz@memphis.edu	• Remote sensing Electrodynamics (military and agricultural applications)

Name	Title	Contact	Topics
Xin Su	Research Assistant Professor	xsu1@memphis.edu	• Coastal urban groundwater flooding studies. • Coastal groundwater monitoring (quantity and quality). • Evaluation of shore protection infrastructure, considering trade-offs between saltwater intrusion protection and inland groundwater flooding. • Quantitative assessment the effectiveness of stormwater management practices (BMP) in local water resource management applications.
Mary Yaeger	Post Doctorate Fellow	myaeger@memphis.edu	• Watershed hydrology • Coupled human-water systems
Lucinda Scrivener	Education & Outreach Coordinator	lfscrvr@memphis.edu	• Earth science education • Environmental education • STEM outreach and community engagement • Teacher professional development • Science communication and public engagement
Dan Larsen	Affiliate Faculty	dlarsen@memphis.edu	• Regional geology and hydrogeology • Groundwater chemistry and hydrologic tracers • Water resource sustainability and vulnerability
Farhad Jazaei	Affiliate Faculty	fjazaei@memphis.edu	• MODFLOW-based groundwater modeling • Microplastics

Name	Title	Contact	Topics
Kevin Berisso	Affiliate Faculty	kberisso@memphis.edu	• Barcodes (QR Code, Data Matrix, UPC, etc.) • RFID (radio frequency identification) • Industrial robotics • Industrial automation (PLCs, conveyor systems, manufacturing, etc.)
Leigh Boardman	Affiliate Faculty	leigh.boardman@memphis.edu	• Stress tolerance in arthropods • Applications of stress physiology for invasion biology, and chemical-free insect control • Biogeography
Shawn Brown	Affiliate Faculty	spbrown2@memphis.edu	• Cross-domain microbial ecology
Alex Headley	Affiliate Faculty	jheadley@memphis.edu	• Renewable energy integration and cost evaluation • Energy storage systems • Hydrogen systems • Battery fires
Arleen Hill	Affiliate Faculty	aahill@memphis.edu	• Promoting community resilience • Identifying and addressing root causes of vulnerability
Andrew Hussey	Affiliate Faculty	ajhussey@memphis.edu	• Labor and health economics • Economic impacts of advanced of higher education and advanced degrees • Gender disparities in the labor force and academia • Income inequality • Empirical methods, including causal estimation, descriptive analysis, program evaluation, and experimental design

Name	Title	Contact	• Topics
Deborah Leslie	Affiliate Faculty	dlleslie@memphis.edu	• Enhanced aquifer recharge • Stable isotopes as tracers of water movement
Martin Lipinski	Affiliate Faculty	mlipinsk@memphis.edu 901.619.4449	• Transportation in general • Freight & intermodal transportation • Rail, water transportation • Traffic safety
Ernie Nichols	Affiliate Faculty	enichols@memphis.edu	• Supply chain management • Strategic sourcing • Process improvement
Aaron Robinson	Affiliate Faculty	alrobins@memphis.edu	
Alistair Windsor	Affiliate Faculty	awindsor@memphis.edu	
Leah Windsor	Affiliate Faculty	Leah.Windsor@memphis.edu 901.355.7791	• Political implications of natural disasters • Regenerative agriculture practices and policies • Human and social aspects of environmental change • Language and society • Multimodal communication • International politics