



# Expert Contacts

Name	Title	Contact	Topics
<a href="#">Brian Waldron</a>	Director of CAESER	<a href="mailto:bwaldron@memphis.edu">bwaldron@memphis.edu</a>	<ul style="list-style-type: none"> <li>• All things CAESER</li> </ul>
<a href="#">Stephanie Ivey</a>	Associate Director of Transportation & Logistics	<a href="mailto:ssalyers@memphis.edu">ssalyers@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Community livability</li> <li>• Impacts of transportation on livability</li> <li>• Transportation workforce</li> </ul>
<a href="#">Janey Camp</a>	Associate Director of Adaptation & Resilience	<a href="mailto:jvcamp@memphis.edu">jvcamp@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Flooding</li> <li>• Resilience</li> <li>• Sustainability</li> <li>• Extreme weather (heat, cold, etc.)</li> <li>• Water or transportation infrastructure planning</li> <li>• Hazard Mitigation</li> <li>• Climate change Adaptation</li> <li>• Community Resilience</li> <li>• Municipal drinking water planning</li> <li>• Education and outreach about flooding, climate, hazard mitigation, and risk management</li> </ul>
<a href="#">Rodrigo Villaloando Vizcaino</a>	Assistant Director of Water Resources & Field Operations	<a href="mailto:rvlllpnd@memphis.edu">rvlllpnd@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Groundwater</li> <li>• Surface water</li> <li>• Monitoring networks</li> <li>• Hydrogeology</li> <li>• Microplastics</li> </ul>
<a href="#">Paulina Reyes Garcia</a>	Assistant Director of Environmental & Geospatial Analyses and Scientific Communications	<a href="mailto:prysgrca@memphis.edu">prysgrca@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Hydraulic properties</li> <li>• Riverbed thickness</li> <li>• Surface water-groundwater interactions</li> <li>• Monitoring network utilizing telemetry systems</li> <li>• GIS tools</li> </ul>
<a href="#">Eddie Jacobs</a>	Senior Researcher – Drones & Advanced Sensors	<a href="mailto:eljacobs@memphis.edu">eljacobs@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Imaging sensor technologies</li> <li>• Modeling, analysis, and development of military sensing systems</li> </ul>

Name	Title	Contact	Topics
<a href="#">Alf Ramirez</a>	Research Assistant Professor	<a href="mailto:ajramirz@memphis.edu">ajramirz@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Remote sensing</li> <li>• Electrooptics (military and agricultural applications)</li> </ul>
<a href="#">Jenn Pickering</a>	Research Assistant Professor	<a href="mailto:jlpckrng@memphis.edu">jlpckrng@memphis.edu</a>	<ul style="list-style-type: none"> <li>• River/delta sedimentation processes</li> <li>• Regional stratigraphy / broader geology perspective than the groundwater modelers here</li> <li>• Sustainable planting and land management (permaculture practices)</li> <li>• Low impact development (LID) to mitigate flooding</li> </ul>
<a href="#">Xin Su</a>	Research Assistant Professor	<a href="mailto:xsu1@memphis.edu">xsu1@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Coastal urban groundwater flooding studies.</li> <li>• Coastal groundwater monitoring (quantity and quality).</li> <li>• Evaluation of shore protection infrastructure, considering trade-offs between saltwater intrusion protection and inland groundwater flooding.</li> <li>• Quantitative assessment the effectiveness of stormwater management practices (BMP) in local water resource management applications.</li> </ul>
<a href="#">Mary Yaeger</a>	Post Doctorate Fellow	<a href="mailto:myaeger@memphis.edu">myaeger@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Watershed hydrology</li> <li>• Agri-ecology</li> </ul>
<a href="#">Lucinda Scrivener</a>	Education & Outreach Coordinator	<a href="mailto:lfscrivr@memphis.edu">lfscrivr@memphis.edu</a>	<ul style="list-style-type: none"> <li>• CAESER Education &amp; Outreach</li> </ul>

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<a href="#">Kevin Berisso</a>	Affiliate Faculty	<a href="mailto:kberisso@memphis.edu">kberisso@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Barcodes (QR Code, Data Matrix, UPC, etc.)</li> <li>• RFID (radio frequency identification)</li> <li>• Industrial robotics</li> <li>• Industrial automation (PLCs, conveyor systems, manufacturing, etc.)</li> </ul>
<a href="#">Leigh Boardman</a>	Affiliate Faculty	<a href="mailto:leigh.boardman@memphis.edu">leigh.boardman@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Stress tolerance in arthropods</li> <li>• Applications of stress physiology for invasion biology, and chemical-free insect control</li> <li>• Biogeography</li> </ul>
<a href="#">Shawn Brown</a>	Affiliate Faculty	<a href="mailto:spbrown2@memphis.edu">spbrown2@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Cross-domain microbial ecology</li> </ul>
<b>Alex Headley</b>	Affiliate Faculty	<a href="mailto:jheadley@memphis.edu">jheadley@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Renewable energy integration and cost evaluation</li> <li>• Energy storage systems</li> <li>• Hydrogen systems</li> <li>• Battery fires</li> </ul>
<a href="#">Arleen Hill</a>	Affiliate Faculty	<a href="mailto:aahill@memphis.edu">aahill@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Promoting community resilience</li> <li>• Identifying and addressing root causes of vulnerability</li> </ul>
<a href="#">Andrew Hussey</a>	Affiliate Faculty	<a href="mailto:ajhussey@memphis.edu">ajhussey@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Labor and health economics</li> <li>• Economic impacts of advanced of higher education and advanced degrees</li> <li>• Gender disparities in the labor force and academia</li> <li>• Income inequality</li> <li>• Empirical methods, including causal estimation, descriptive analysis, program evaluation, and experimental design</li> </ul>
<a href="#">Farhad Jazaei</a>	Affiliate Faculty	<a href="mailto:fjazaei@memphis.edu">fjazaei@memphis.edu</a>	<ul style="list-style-type: none"> <li>• MODFLOW-based groundwater modeling</li> <li>• Microplastics</li> </ul>

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<a href="#">Dan Larsen</a>	Affiliate Faculty	<a href="mailto:dlarsen@memphis.edu">dlarsen@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Regional geology and hydrogeology</li> <li>• Groundwater chemistry and hydrologic tracers</li> <li>• Water resource sustainability and vulnerability</li> </ul>
<a href="#">Deborah Leslie</a>	Affiliate Faculty	<a href="mailto:dlleslie@memphis.edu">dlleslie@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Enhanced aquifer recharge</li> <li>• Stable isotopes as tracers of water movement</li> </ul>
<a href="#">Martin Lipinski</a>	Affiliate Faculty	<a href="mailto:mlipinsk@memphis.edu">mlipinsk@memphis.edu</a> 901.619.4449	<ul style="list-style-type: none"> <li>• Transportation in general</li> <li>• Freight &amp; intermodal transportation</li> <li>• Rail, water transportation</li> <li>• Traffic safety</li> </ul>
<a href="#">Ernie Nichols</a>	Affiliate Faculty	<a href="mailto:enichols@memphis.edu">enichols@memphis.edu</a>	<ul style="list-style-type: none"> <li>• Supply chain management</li> <li>• Strategic sourcing</li> <li>• Process improvement</li> </ul>
<a href="#">Aaron Robinson</a>	Affiliate Faculty	<a href="mailto:alrobins@memphis.edu">alrobins@memphis.edu</a>	
<a href="#">Alistair Windsor</a>	Affiliate Faculty	<a href="mailto:awindsor@memphis.edu">awindsor@memphis.edu</a>	
<a href="#">Leah Windsor</a>	Affiliate Faculty	<a href="mailto:Leah.Windsor@memphis.edu">Leah.Windsor@memphis.edu</a> 901.355.7791	<ul style="list-style-type: none"> <li>• Political implications of natural disasters</li> <li>• Regenerative agriculture practices and policies</li> <li>• Human and social aspects of environmental change</li> <li>• Language and society</li> <li>• Multimodal communication</li> <li>• International politics</li> </ul>