

Marccus D. Hendricks, Ph.D., MPH
Curriculum Vitae

Notarization. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature



Date

06/10/2025

I. Personal Information

Full name: Marccus D Hendricks
Address: Urban Studies and Planning Program
School of Architecture, Planning, and Preservation
The University of Maryland
3835 Campus Drive
College Park, MD 20742
Phone: 301-405-2234
Email: mdh1@umd.edu

Academic Appointments at UMD

2022 - present	Associate Professor, Urban Studies and Planning Program, School of Architecture, Planning and Preservation, University of Maryland, College Park, MD
2017- 2022	Assistant Professor, Urban Studies and Planning Program, School of Architecture, Planning and Preservation, University of Maryland, College Park, MD
2019 - present	Director, Stormwater Infrastructure Resilience and Justice (SIRJ) Lab, School of Architecture, Planning and Preservation, University of Maryland, College Park, MD
2022 - present	Faculty Affiliate, Department of Civil and Environmental Engineering, Clark School of Engineering, University of Maryland, College Park, MD
2018 - present	Faculty Affiliate, Maryland Institute for Applied Environmental Health, School of Public Health, University of Maryland, College Park, MD
2018 - present	Research Affiliate, National Center for Smart Growth Research and Education, University of Maryland, College Park, MD
2017 - present	Research Affiliate, Center for Disaster Resilience, Department of Civil and Environmental Engineering, Clark School of Engineering, University of Maryland, College Park, MD
2017 - present	Research Affiliate, Environmental Finance Center, University of Maryland, College Park, MD

Other Employment

2023 (1-year detail)	Senior Advisor of Climate and Community Resilience, Council on Environmental Quality, Executive Office of the President, White House, Washington, DC
2015 - 2017	Research Affiliate, Institute for Sustainable Communities, Texas A&M University
2013 - 2017	Research Associate, Hazard Reduction and Recovery Center, Texas A&M University
2016- 2017	Research Social Scientist, GeoHazards International, Menlo Park, CA

Educational Background

2017	Ph.D., Urban and Regional Science, Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX Major Area: <i>Environmental Planning</i> ; Minor Area: <i>Infrastructure Engineering</i> Dissertation: <i>The Infrastructures of Equity and Environmental Justice</i> <i>University Diversity Fellow 2013-2016</i>
2013	M.P.H., Public Health, Social and Behavioral Health, School of Public Health, Texas A&M University, College Station, TX Masters Paper: <i>Be Prepared! Mobile Influenza Immunization Clinic: A Response to Effective Risk Communication, Accessibility, and Economic Feasibility among a Low-Income Minority Population in South Dallas, Texas</i> Capstone Research: <i>Addressing Mental Health Issues among Children Following Hurricanes along the Rural Coastal Bend Region of Texas</i>
2010	B.A., Psychology with Health Promotion Minor, University of North Texas, Denton, TX

Professional Certifications, Licenses, and Memberships

2019- present	Urban Affairs Association
2018- present	American Association of Geographers
2016- present	Association of Collegiate Schools of Planning
2016- present	American Planning Association
2016- 2018	Society for the Study of Social Problems
2013- 2020	William Averette Anderson Fund - For Hazard and Disaster Mitigation Education and Research <i>Board Member 2015-2020</i>

II. Research, Scholarly, Creative and/or Professional Activities

Articles in Refereed Journals (*Indicates co-author is my current or former student and

**Indicates my postdoctoral associate at the time of publication)

I as first or last author indicates leadership including but not limited to project conceptualization and methods, funding acquisition, writing, supervision, and principal investigator.

Published

- 2025 Si*, Q., Alves**, P.B.R., Pavao-Zuckerman, M.A., Davis, A.P., Burke, T., Quinn, B.S., Bonsignore, E.M., Cotting, J.A., Baer, J., Peterson, K., Gaunaud*, P., Clegg, T.L., Loshin, D., Fellows, A.M., Keen, T., Knaap, G.J. and **Hendricks, M.D.** (2025), Internet of Things-Based Framework Application at a University Campus Scale: Linking Smart Monitoring Systems and Stormwater Management. *Advanced Intelligent Discovery* 202400027. <https://doi.org/10.1002/aidi.202400027>
- 2025 Woerner*, EMH, Anderson-Coughlin**, BL, Alves**, PBR, Levell-Young*, T, Barlow*, CM, . . . **Hendricks, M. D.**, Goldstein, R. R. (2025) Antibiotic-resistant bacteria detected in homes impacted by sewage. *PLOS Water* 4(6):. <https://doi.org/10.1371/journal.pwat.0000375>
- 2025 Goode*, M., Abu*, J. J., Alves**, P. B. R., Woerner*, E. M. H., Levell-Young*, T., Smith-Hams, T., . . . **Hendricks, M. D.** (2025). A peek at leaks and basement backups: A pilot survey exploring the impacts and outcomes of untreated sewage in homes. *Environmental Research Communications*, 7(4), 045025. doi:<https://doi.org/10.1088/2515-7620/adcb06>
- 2024 Alves**, Priscila B. R., Amanguah*, Ebenezer, McNally*, Devin, Espinoza*, Maria, Ghaedi*, Hamed, Reilly, Allison C., **Hendricks, Marccus D.** (2024). "Navigating the Definition of Urban Flooding: A Conceptual and Systematic Review of the Literature." *Water Science and Technology*, 90(10), 2796-2812, <https://doi.org/10.2166/wst.2024.351>
- 2024 **Hendricks, Marccus D.** and Goldstein, Rachel Rosenberg. (2024). "Sanitary Sewer Overflows, Household Sewage Backups, and Antibiotic-Resistant Bacteria: The New Frontier of Environmental Health Risks and Disasters" *Environmental Research: Health*, 3(1), DOI 10.1088/2752-5309/ad8d05
- 2024 Peng*, Binbin, **Hendricks, Marccus D.**, & Hancock, Gregory. (2024). "The Socio-Environmental Determinants of Urban Heat-Health Risk: Exploring Health Dimensionalities Using Latent Variable Analytics." *Risk Analysis*, <https://doi.org/10.1111/risa.17645>
- 2024 Si*, Qianyao, Brito*, Higor Costa de, Alves**, Priscila B. R., Rufino, Iana, Pavao-Zuckerman, Mitchell A., & **Hendricks, Marccus D.** (2024). "GIS-based Spatial Approaches to Refining Urban Catchment Delineation that Integrate Stormwater Network Infrastructure." *Discover Water*, 4, 24 (2024). <https://doi.org/10.1007/s43832-024-00083-z>
- 2024 Park*, Minkyu, Alves**, Priscila B. R., Whiteheart*, Rachel, & **Hendricks, Marccus D.** (2024) "Socially vulnerable people and Stormwater infrastructure: A geospatial exploration of the equitable distribution of gray and green stormwater infrastructure in Washington D.C." *Cities*, <https://doi.org/10.1016/j.cities.2024.105010>

- 2024 Jones, Asia*, Alves**, Priscila B. R., Drakeford*, Brittney, and **Hendricks, Marccus D.** (2024) "Slow Violence to Disasters: Exploring Racialized Topographies and Contextualizing Social Vulnerability to Flood Risk." *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/j.ijdrr.2024.104409>
- 2023 LeFevre, Gregory H., **Hendricks, Marccus D.**, Carrasquillo, Maya E. , McPhillips, Lauren E. , Winfrey, Brandon K., and Mihelcic, James R. (2023). "The Greatest Opportunity for Green Stormwater Infrastructure Is to Advance Environmental Justice." *Environmental Science & Technology*. DOI: 10.1021/acs.est.3c07062
- 2023 **Hendricks, Marccus D.** & Downtin, Asia L. (2023). "Come Hybrid or High Water: Making the Case for a Green-Gray Approach Toward Resilient Urban Stormwater Management." *Journal of the American Water Resources Association*. <https://doi.org/10.1111/1752-1688.13112>
- 2022 Rivera, Danielle Zoe & **Hendricks, Marccus D.** (2022). "Municipal Undergreening: Framing the Planning Challenges of Implementing Green Infrastructure in Marginalized Communities." *Planning Theory and Practice*. <https://doi.org/10.1080/14649357.2022.2147340>
- 2022 **Hendricks, Marccus D.** (2022). "Leveraging Critical Infrastructure within an Environmental Justice Framework for Public Health Prevention." *American Journal of Public Health*, no. 0: pp. e1-e3. <https://doi.org/10.2105/AJPH.2022.306883>
- 2022 **Hendricks, Marccus D.**, Meyer, Michelle Anette, & Wilson, Sacoby. (2022). "Moving up the Ladder in Rising Waters: Community Science in Infrastructure and Hazard Mitigation Planning as a Pathway to Community Control and Flood Disaster Resilience." *Citizen Science: Theory and Practice*. 7(1), p.18. DOI: <http://doi.org/10.5334/cstp.462>
- 2022 Roberts, Jennifer D., Dickinson, Katherine L., **Hendricks, Marccus D.**, & Jennings, Viniece. (2022). "'I Can't Breathe': Examining the Legacy of American Racism on Determinants of Health and the Ongoing Pursuit of Environmental Justice." *Curr Envir Health Rpt* <https://doi.org/10.1007/s40572-022-00343-x>
- 2021 **Hendricks, Marccus, D.** & Van Zandt, Shannon. (2021). Unequal Protection Revisited: Planning for Environmental Justice, Hazard Vulnerability, and Critical Infrastructure in Communities of Color. *Environmental Justice*, 14(2), 87-97. doi.org/10.1089/env.2020.0054
- 2021 **Hendricks, Marccus D.** & Meyer, Michelle Annette. (2021). "Modeling Long-Term Housing Recovery After Technological Disaster Using a Virtual Audit with Repeated Photography." *Journal of Planning Education and Research*. doi:10.1177/0739456X211002910
- 2020 **Hendricks, Marccus D.**, Newman, Galen, Yu, Siyu*, & Horney, Jennifer. (2020). "Leveling the Landscape: Landscape Performance as a Green Infrastructure Evaluation Tool for Service-Learning Products" *Landscape Journal*, 37(2). doi: 10.3368/lj.37.2.19
- 2019 Masterson, Jaimie, Meyer, Michelle, Gharaibeh, Nasir, **Hendricks, Marccus D.**, Van Zandt, Shannon. (2019). "Interdisciplinary Citizen Science for Hazard and Disaster Education." *International Journal of Mass Emergencies and Disasters*, 37(1), 6.

- 2019 Oti, Isaac*, Gharaibeh, Nasir, **Hendricks, Marccus D.**, Meyer, Michelle, Van Zandt, Shannon, Masterson, Jaimie, Horney, Jennifer, & Berke, Philip. (2019). "Validity and Reliability of Drainage Infrastructure Monitoring Data Obtained from Citizen Scientists." *Journal of Infrastructure Systems*. DOI: 10.1061/(ASCE)IS.1943-555X.0000495.
- 2019 Gharaibeh, Nasir, Oti, Isaac*, Meyer, Michelle, **Hendricks, Marccus D.**, & Van Zandt, Shannon. (2018). "Potential of Citizen Science for Enhancing Infrastructure Monitoring Data and Decision-Support Models for Local Communities." *Risk Analysis*.
<https://doi.org/10.1111/risa.13256>
- 2018 Meyer, Michelle, **Hendricks, Marccus**, Horney, Jennifer, Berke, Philip R., Masterson, Jaimie, Newman, Galen, Sansom, Garrett, Van Zandt, Shannon & Cooper, John. (2018) "Participatory Action Research: Tools for Disaster Resiliency Education." *International Journal of Disaster Resilience in the Built Environment*. DOI: 10.1108/IJDRBE-02-2017-0015
- 2018 Gibson, Jamesha*, **Hendricks, Marccus D.**, & Wells, Jeremy. (2018) "From Engagement to Empowerment: How Heritage Professionals Can Incorporate Participatory Methods in Disaster Recovery to Better Serve Socially Vulnerable Groups." *International Journal of Heritage Studies*. <https://doi.org/10.1080/13527258.2018.1530291>
- 2018 Meyer, Michelle Annette & **Hendricks, Marccus D.** (2018) Using Photography to Assess Housing Damage and Rebuilding Progress for Disaster Recovery Planning, *Journal of the American Planning Association*, 84:2, 127-144, DOI: 10.1080/01944363.2018.1430606
- 2018 **Hendricks, Marccus D.**, Meyer, Michelle, Gharaibeh, Nasir, Van Zandt, Shannon, Masterson, Jaimie, Cooper, John, Horney, Jennifer, & Berke, Philip. (2018). "The Development of a Participatory Assessment Technique for Infrastructure: Neighborhood-level Monitoring Towards Sustainable Infrastructure Systems." *Sustainable Cities and Society*, 38, 265-274.
<https://doi.org/10.1016/j.scs.2017.12.039>

Under Review

Priscila B. R. Alves**, Maeghen Goode*, Emily M. Healey*, Taeilora Levell-Young*, Brienna Anderson-Coughlin**, Smith- Hams, Taylor, Volpitta, Alice, Crews, Rita, Brown, Malika, Goldstein, Rachel E. Rosenberg, **Hendricks, Marccus D.** "Environmental and Community-Driven Methodology to Understand and Address Risks from Sanitary Sewer Overflows and Basement Backups." *Journal of Flood Risk Management*. (Accepted 2025)

Travis Gallo, Mason Fidino, Christopher J. Schell, **Marccus D. Hendricks**, and Seth B. Magle. "The legacy effects of housing segregation on the natural landscapes of U.S. cities." *Nature* (Revise and Resubmit 2025)

Higor Brito, Priscila B. R. Alves, **Marccus D. Hendricks**, and Iana Rufino. "Built Surfaces and Shallow Waters: Simulating Urban Flood Risks and LULCs in Washington, D.C."

In-progress

“Seeing the Forest Through the Trees: Evaluating Urban Forest Management Plans and Policies for Green Infrastructure and Stormwater Resilience.” Asia L. Downtin and **Marccus D. Hendricks**

“Planning for the Equitable Distribution of Infrastructure to Achieve Fair and Effective Urban Stormwater Management.” **Marccus D. Hendricks**

“Pavement & Prosperity: A Spatial Econometrics Approach to Understanding Transportation Infrastructure Condition across Urban Neighborhoods.” **Marccus D. Hendricks**

Book Chapters

Accepted, in Press

Published

- 2022 **Hendricks, M. D.** & Berke, P.R. “Community Resilience to Environmental Hazards and Climate Change: Can Smart Growth Make a Difference?”, In *Handbook: Smart Growth*, Eds. Gerrit Knaap, Rebecca Lewis, & Arnab Chakraborty (pp. 277-290). Edward Elgar Publishing. <https://doi.org/10.4337/9781789904697.00029>
- 2020 Gibson, Jamesha*, **Hendricks, Marccus D.**, & Wells, Jeremy. (2020). “Defining Partnership: Incorporating Equitable Participatory Methodologies in Heritage Disaster Recovery Planning for Socially Vulnerable Groups.” In *Learning from Arnstein’s Ladder*, Eds. Mickey Lauria and Carissa Slotterback.

Under Review

Datasets

- 2024 **Hendricks, M. D.**, Si, Q., Alves, P.B.R., Pavao-Zuckerman, M.A., Davis, A.P., Burke, T., Bonsignore, E.M., Baer, J., Peterson, K., Cotting, J., Gaunard, P., Clegg, T., Loshin, D., Fellows, A., Keen, T., Knaap, G. (2024). “A Smart, Connected, and Sustainable Campus Community: Using the Internet of Things (IoT) and low-cost sensors to improve stormwater management at UMD/Greater College Park.” *Digital Repository at the University of Maryland*, <https://doi.org/10.13016/cwdv-zer6>

Peer-Reviewed Reports and Fact Sheets

- 2024 Burnstein, E., Sanford, M., Alves, P., Costa, H., & **Hendricks, M.** (2024). Environmental Justice in Agricultural Waste Management (EBR-2023-0690). University of Maryland Extension. go.umd.edu/EBR-2023-0690.
- 2023 Marino, E.K., K. Maxwell, E. Eisenhauer, A. Zycherman, C. Callison, E. Fussell, **M.D. Hendricks**, F.H. Jacobs, A. Jerolleman, A.K. Jorgenson, E.M. Markowitz, S.T. Marquart-Pyatt, M. Schutten, R.L. Shwom, and K. Whyte, 2023: Ch. 20. Social systems and justice. In: Fifth

National Climate Assessment. Crimmins, A.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, B.C. Stewart, and T.K. Maycock, Eds. U.S. Global Change Research Program, Washington, DC, USA. <https://doi.org/10.7930/NCA5.2023.CH20>

Conferences, Workshops, and Talks

Keynotes, Plenaries, and Distinguished Lectures

- 2025 **Hendricks, Marccus.** “Planning for Nature-Based Solutions at the Margins: Lessons from the Stormwater Infrastructure Resilience and Justice (SIRJ pronounced surge) Lab.” Nature-Based Solutions for a Resilient Gulf Coast Workshop, Severe Storm Prediction, Education, & Evacuation from Disasters (SSPEED) Center, Department of Civil and Environmental Engineering, Rice University, Houston, TX
- 2024 Baltimore Climate Summit, Opening Plenary, Baltimore, MD
- 2024 **Hendricks, Marccus.** “Flood Justice: Past, Present, and Future.” H2O Summit, Montgomery County, MD
- 2024 Christine Carmichael, **Marccus D Hendricks**, Cesar Estien, and Yi Yin (Moderator). “Nature Justice in Cities.” New York University, Virtual.
- 2024 **Hendricks, Marccus.** “Murky Waters, Infrastructure, and Environmental Risks: Stormwater Planning and Engineering Towards Environmental Justice.” VUSP Stormwater Symposium 2024, Villanova University, Villanova, PA
- 2024 **Hendricks, Marccus.** “Still Waters Run Deep: The Social Dimensions of Flood and Stormwater Infrastructure Resilience.” PSEG Institute for Sustainability Studies, Montclair State University, Montclair, NJ.
- 2024 **Hendricks, Marccus.** “Murky Waters and Environmental Risks: A Community-Driven Approach to Evaluate Exposures from Sanitary Sewer Overflows and Basement Backups” Luskin Center for Innovation, University of California, Los Angeles, CA (*Postponed Due to Protests*).
- 2024 **Hendricks, Marccus.** “Murky Waters and Environmental Risks: A Community-Driven Approach to Evaluate Exposures from Sanitary Sewer Overflows and Basement Backups” Institute of Behavioral Science, Engineering and Applied Science, University of Colorado, Boulder, CO.
- 2023 **Hendricks, Marccus.** “Achieving Success in the Community Disaster Resilience Zones: What Do Changemakers Need to Know?” Urban Institute, Washington, DC.
- 2023 **Hendricks, Marccus.** “Community-Based Participatory Research, Action, and Implementation: Enhancing Green Infrastructure and Environmental Protection.” Green Infrastructure Collaborative Workshop, U.S. Environmental Protection Agency, Washington, DC.

- 2023 **Hendricks, Marccus**, “Mixed Methods Research in Community and Parcel-Level Environmental Planning and Disaster Recovery.” 8th Annual Southwest Workshop on Mixed Methods Research (SWMMR) Conference, University of Maryland, College Park, MD.
- 2023 **Hendricks, Marccus**, “Environment and Sustainability Day 2023.” Leadership Greater Washington, Washington, DC.
- 2023 **Hendricks, Marccus**, “Citizen Participation in Rising Waters.” TEDx, Indiana University, Bloomington, IN. https://www.youtube.com/watch?v=C7VbBG_MfKo
- 2022 **Hendricks, Marccus**, “Socio-Physical Infrastructure and Environmental Risks: People, Pipelines, and Pathways.” Distinguished Lecture, Saint Anthony Falls Laboratory (SAFL), College of Science and Engineering, University of Minnesota, Minneapolis, MN.
- 2022 **Hendricks, Marccus**, “The Waves of Change in Water Resource Management and Infrastructure at the Turning Point: Justice, Fairness, and Democracy.” Annual Flood and Stormwater Management Conference, National Association for Flood and Stormwater Management Agencies (NAFSMA), Park City, UT.
- 2022 **Hendricks, Marccus**. “Stormwater Infrastructure Resilience and Justice: From Unequal Protection Toward Leveling the Landscape in Communities of Color.” 25th Annual Lecture Series, Metcalf Institute, University of Rhode Island, Kingston, RI.
- 2022 Pickett, Steward, Whiston, Anne, and **Hendricks, Marccus**. “The Ecology of Segregation.” Cary Institute of Ecosystem Studies, New York, NY.
- 2021 **Hendricks, Marccus**. “Resourcefulness and Resilience: Leveraging the Value in Existing Assets Toward Addressing Future Challenges in Water and Climate.” Keynote Address, 2021 American Water Resources Association (AWRA) Mid-Atlantic Conference, In conjunction with the National Capital Region, Pennsylvania State, and Philadelphia Metropolitan Area Sections. (*Virtual*)
- 2021 **Hendricks, Marccus**. “Unequal Protection Revisited: Pressing Toward the Mark of Infrastructural Justice, Risk Reduction, and Leveling the Landscape.” Plenary Address, 3rd Annual New Horizons in Conservation, Yale University, New Haven, CT. (*Virtual*)
- 2021 **Hendricks, Marccus**. “Rethinking Disaster: Recognizing resilience in communities of color and racism in the creation of hazard risk.” Plenary Address, 2021 Earthquake Engineering Research Institute Annual Meeting (*Virtual*).
- 2020 Shandas, Vivek, Shi, Linda, & **Hendricks, Marccus**. “Unequal Protection Revisited: An Anti-Environmental Racism Approach Toward Climate Adaptation, Risk Reduction, and Infrastructural Justice.” ACSP Presidential Panel: Planning for Climate Justice, The Association of Collegiate Schools of Planning, Annual Conference (*Virtual*).
- 2019 Cooper, John, Cordova, Alexis, **Hendricks, Marccus**, Masterson, Jaimie, & Parras, Juan. “Texas Target Communities: Planning with Purpose, Principles, and Passion.” 44th Annual Natural Hazards Research and Applications Workshop, Natural Hazards Center, Broomfield, CO.

- 2019 **Hendricks, Marccus**. “Diversity in Action: The BAF Increasing the Number of Underrepresented persons of color in the field of Emergency and Disaster Management.” Plenary Address, 21st Annual Emergency Management Higher Education Symposium, Federal Emergency Management Agency, Emmitsburg, MD.
- 2018 **Hendricks, Marccus**. “Growing Sustainable Communities” Plenary Address, 11th Annual Growing Sustainable Communities Conference, City of Dubuque, Dubuque, IA.
http://cityofdubuque.granicus.com/MediaPlayer.php?view_id=3&clip_id=3121

Invited Talks and Panels

- 2025 **Hendricks, Marccus**, Middleton-Manning, Beth Rose, de la Garza, Maria Elena. “Nature-based Solutions and Adaptation: From the Roots to the Margins.” National Practice Forum on Nature Based Solutions, National Academies, Center for Coastal Climate Resilience – UC Santa Cruz, Network for Engineering with Nature, Irvine, CA.
- 2025 **Hendricks, Marccus**. “Cascading and Emergent Water Risks at the Margins: Lessons from the Stormwater Infrastructure Resilience and Justice (SIRJ) Lab.” Geosciences Spring 2025 Colloquium Series, College of Arts and Sciences, Georgia State University, Atlanta, GA.
- 2024 **Hendricks, Marccus**. “Murky Waters, Infrastructure, and Environmental Risks: Stormwater Planning and Engineering Towards Environmental Justice.” Institute for Energy and Environment Annual Meeting, Virginia Commonwealth University, Richmond, VA
- 2024 **Hendricks, Marccus**. “Murky Waters and Environmental Risks: A Community-Driven Approach to Evaluate Exposures from Sanitary Sewer Overflows and Basement Backups” Georgetown University, Washington, D.C.
- 2023 **Hendricks, Marccus**. “Sociophysical Infrastructure and Hazards: People, Pipelines, and Pathways.” ASCE-NOAA Leadership Summit on Climate Ready Infrastructure, American Society for Civil Engineers (ASCE) Headquarters, Reston, VA.
- 2022 Jolivet Mccloud, Ayanna, Grodnik-Nagle, Ann, **Hendricks, Marccus**, Holliday, Cheyenne, & Seefeldt, Jonathan. “Climate and Community Resilience: Emerging Approaches that Reach for Justice.” One Water Summit, U.S. Water Alliance, Milwaukee, WI.
- 2022 **Hendricks, Marccus**. “Sociophysical Infrastructure and Hazards: People, Pipelines, and Pathways.” Natural Hazards Research Summit 2022, National Science Foundation and the Natural Hazards Engineering Research Infrastructure, Washington, DC.
- 2022 **Hendricks, Marccus**, Beagle, Julie, & Opperman, Jeff. “Elements for Implementation - Physical, Ecological, Social, and Economic Considerations.” The National Academies’ Workshop on Benefits, Applications and Opportunities of Natural Infrastructure, University of Georgia, Athens, GA.
- 2022 Braithwaite, Noel, **Hendricks, Marccus**, Iyer, Seema, Lewis, Delegate Robbyn, Muqueeth, Sadiya, & Sapkota, Amir. “Lancet Launch – A Look at Baltimore City’s Indicators of Health and Sustainability.” University of Maryland School of Public Health, College Park, MD.

- 2022 **Hendricks, Marccus.** “Stormwater Infrastructure Resilience and Justice (SIRJ): From Unequal Protection Toward Leveling the Landscape in Communities of Color.” Urban Water Research Centre Seminar Series, Ryerson University, Toronto, ON.
- 2022 **Hendricks, Marccus,** Rivera, Danielle. Moran Carlos. “When Communities Lead: Environmental Justice Through Participatory Flood Risk Management.” Bridging the Equity Gap: Flood Resilience for the Whole Community, U.S. Army Corps of Engineers, San Francisco District, CA.
- 2022 **Hendricks, Marccus.** “The Future of Urbanism and the Multidimensionality of the Digital Age: Sensing, Citizen Science, and Virtual Auditing Toward Infrastructure Resilience and Justice.” MAPP Future of Urbanism Forum, University of Maryland, College Park, MD.
- 2022 **Hendricks, Marccus,** Godfrey, Lynn, Wilson, Barbara, Sallmond, Joeseeph, Silverstein, T. “Beyond Climate Change: How Environmental Injustice Harms Minority Communities.” Shaping Justice Conference 2022, University of Virginia Law School, Charlottesville, VA.
- 2022 **Hendricks, Marccus.** “Unequal Protection Revisited: Planning for Environmental Justice, Hazard Vulnerability, and Critical Infrastructure in Communities of Color .” DC Silver Jackets, Washington, DC. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Social, Technological, and Practical Innovation in the Digital Age: Sensing, Citizen Science, and Virtual Auditing Toward Infrastructure Resilience and Justice.” MIT LCAU Urbanism Colloquium, Massachusetts Institute of Technology (MIT), Cambridge, MA. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Unequal Protection Revisited: Planning for Environmental Justice, Hazard Vulnerability, and Critical Infrastructure in Communities of Color .” Cities – Virtual Colloquium, Tufts University, Medford, MA. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Unequal Protection Revisited: Planning for Environmental Justice, Hazard Vulnerability, and Critical Infrastructure in Communities of Color.” Center for Urban Environmental Research and Education, Seminar Series, University of Maryland – Baltimore County (UMBC), Baltimore County, MD. (*Virtual*)
- 2021 **Hendricks, Marccus & Carrasquillo,** Maya. “Green Stormwater Infrastructure: Opportunities and Challenges in the Era of Climate and the Pursuit of Justice.” Environmental Science and Technology (ES&T) Global Webinar. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Unequal Protection Revisited: An Anti-Environmental Racism Approach Toward Climate Adaptation, Risk Reduction, and Infrastructural Justice.” United States Geological Survey (USGS), Reston, VA. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Unequal Protection Revisited: An Anti-Environmental Racism Approach Toward Climate Adaptation, Risk Reduction, and Infrastructural Justice.” Planning for Emergencies and Disasters Lecture Series, NYU Wagner Graduate School of Public Service, New York University, New York, NY. (*Virtual*)
- 2021 **Hendricks, Marccus.** “Unequal Protection Revisited: Pressing Toward the Mark of Infrastructural Justice, Risk Reduction, and Leveling the Landscape.” Engineering Systems

and Environment, College of Engineering, University of Virginia, Charlottesville, VA.
(*Virtual*)

- 2021 **Hendricks, Marccus.** "Unequal Protection Revisited: An Anti-Environmental Racism Approach Toward Climate Adaptation, Risk Reduction, and Infrastructural Justice." Climate Change: Environmental Health and Equity Impacts Seminar Series, Colorado School of Public Health and Natural Hazards Center, University of Colorado – Boulder, Boulder, CO. (*Virtual*)
- 2021 Wylie, Sara, **Hendricks, Marccus**, Seto, Karen, & Chatti, Deepti. "Enacting Environmental Data Justice Confirmation." Yale Mellon Sawyer Seminar, "The Order of Multitudes," Yale University, New Haven, CT. (*Virtual*)
- 2021 **Hendricks, Marccus.** "Stakeholder Engagement in Wastewater: Converging environmental infrastructure, COVID-19, health, and equity." NSF-funded Research Coordination Network (RCN) on Wastewater Surveillance of SARSCoV-2, Howard University, Washington, DC. (*Virtual*)
- 2020 **Hendricks, Marccus.** "Socioresilient Infrastructure: Materials, Assemblages, and Systems." NSF Convergence Accelerator International Workshop: Socioresilient Infrastructure, The National Science Foundation (NSF) Convergence Accelerator, The Massachusetts Institute of Technology, and Station1, Boston, MA. (*Virtual*)
- 2020 **Hendricks, Marccus.** "Unequal Protection Revisited: Planning for Hazard Vulnerability and Anti-Racism Toward Infrastructural Justice and Resilience in Communities of Color." Community Resilience Seminar Series, National Institute of Standards and Technology, U.S. Department of Commerce, Gaithersburg, MD. (*Virtual*)
- 2020 **Hendricks, Marccus.** "Leveling the Landscape: Just Transitions Toward the Equitable Distribution of Stormwater Infrastructure and Resilient Design." Urban Planning Program, Columbia University, New York, NY. (*Virtual*)
- 2020 **Hendricks, Marccus.** "Leveling the Landscape: Just Transitions Toward the Equitable Distribution of Stormwater Infrastructure and Resilient Design." Department of Urban Planning and Spatial Analysis, University of Southern California, Los Angeles, CA.
- 2018 **Hendricks, Marccus.** "Still Waters Run Deep: The Social Dimensions of Urban Flood and Stormwater Infrastructure Resilience." Invited Lecture Series, Department of City and Regional Planning, University of North Carolina, Chapel Hill, NC.
- 2018 **Hendricks, Marccus.** "Towards Climate and Infrastructural Justice: Unequal Protection Revisited and the New Face of Environmental Burden." Social Inequality and Climate Change Seminar Series, Behavioral and Social Sciences College, University of Maryland, College Park, MD.
- 2018 **Hendricks, Marccus.** "Who foots the bill: The Challenge of Making Green Infrastructure Affordable, Just, and Inclusive. Collegium of Scholars, School of Public Health, University of Maryland, College Park, MD.

- 2018 **Hendricks, Marccus**. "Urban Infrastructure, Public Works, and Environmental Injustice: A Participatory Assessment Technique for Infrastructure to Address the Burden of Proof." Environmental Justice and Health Symposium, College Park, MD.
- 2018 **Hendricks, Marccus**. "Still Waters Run Deep: The Social Dimensions of Flood and Stormwater Infrastructure Resilience." The National Center for Smart Growth Research and Education, College Park, MD.
- 2018 **Hendricks, Marccus**. "Still Waters Run Deep: The Social Dimensions of Flood and Stormwater Infrastructure Resilience." Iowa Flood Center, The University of Iowa, Iowa City, Iowa.

Refereed Presentations

- 2020 **Hendricks, Marccus**. "Stormwater, Climate Adaptation, and Equity." Converging COVID-19, Environment, Health, and Equity, Virtual Conference, The Association of Environmental Engineering and Science Professors, University of South Florida.
- 2019 **Hendricks, Marccus**. "Leveling the Landscape: Landscape Performance as an Evaluation Tool for Green Infrastructure Masterplans Produced Through Service Learning." Socio-Ecological Practice Research (SEPR) Inaugural Conference, Tongji University, Shanghai, China.
- 2019 **Hendricks, Marccus**, Reilly, Allison, Peng, John*, & Ghaedi, Hamed. "Urban Flooding, Infrastructure, and its Link to Social Vulnerability and Mobility: A Place-based Study in Washington D.C." Urban Affairs Association, Annual Conference, Los Angeles, CA.
- 2018 **Hendricks, Marccus**, Newman, Galen, Yu, Siyu, & Horney, Jennifer. "Green Infrastructure Adaptations and Affordability: The Challenge for Economically Marginalized Communities." The Association of Collegiate Schools of Planning, Annual Conference, Buffalo, NY.
- 2018 **Hendricks, Marccus**. "Urban Infrastructure, Public Works, and Environmental Injustice: A Participatory Assessment Technique for Infrastructure to Address the Burden of Proof." Environmental Justice and Health Symposium, College Park, MD.
- 2018 **Hendricks, Marccus**, Meyer, Michelle, Gharaibeh, Nasir, Van Zandt, Shannon, & Oti, Issac*. "Participatory Assessment Technique for Infrastructure (PATI): Neighborhood-level Monitoring and Adaptation towards Resilient Infrastructures." American Association of Geographers 2018 Annual Meeting, New Orleans, LA.
- 2017 Oti, Issac*, Gharaibeh, Nasir, **Hendricks, Marccus**, & Meyer, Michelle. "Viability of Citizen Science for Infrastructure Condition Assessment at the Neighborhood Level: Focus on Stormwater Infrastructure." 13th Annual Inter-University Symposium on Infrastructure Management (AISM), Purdue University, West Lafayette, IN.

Refereed Workshop Papers

- 2017 **Hendricks, Marccus D.**, Nasir Gharaibeh, Michelle Meyer, Shannon Van Zandt, Jaimie Masterson, John Cooper, Jennifer Horney, & Philip Berke. "Participatory Assessment

Technique for Infrastructure (PATI): Community Monitoring and Adaptation towards Sustainable and Resilient Infrastructures.” COP23 – 23rd Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC), Bonn, Germany.

Refereed Posters

- 2023 Emily M. Healey, Priscila B. R. Alves, **Marccus D. Hendricks**, and Rachel Rosenberg Goldstein. “Evaluating the Risk of Residential Exposure to Antibiotic-Resistant Bacteria from Sanitary Sewer Overflows (SSOs) and Basement Backups in Baltimore, Maryland.” UNC Water and Health Conference, UNC Water Institute, Chapel Hill, NC.
- 2018 Ju, Boryung, Yang, Seungwon, Meyer, Michelle, & **Hendricks, Marccus**. “Public Libraries on Twitter: Interacting with Communities in Crisis.” 10th Association for Computing Machinery (ACM) Conference on Web Science, Amsterdam.

Refereed Panels

- 2024 **Hendricks, Marccus**, Fowler, Lara, and Niyogi, Dev. “Impacts of Hydrological Extremes on Marginalized Communities.” American Meteorological Society 104th Annual Meeting, Baltimore, MD.
- 2021 Reid, Colleen, Cushing, Lara, **Hendricks, Marccus**, and Roberts, Jennifer. “Environmental Racism and Health: Research By JPB Environmental Health Fellows.” Individual Talk Title: “Still Waters Run Deep: The Social and Health Dimensions of Flood and Sanitation Infrastructure Vulnerabilities in Washington, DC and Baltimore, MD” 2021 IAPHS Annual Meeting, Baltimore, MD
- 2021 “Green Infrastructure Planning.” The Association of Collegiate Schools of Planning, Annual Conference, Virtual.
- 2020 Campbell, Heather, **Hendricks, Marccus**, Minner, Jennifer, Umemoto, Karen, Yerena, Anaid. “Carrying two buckets: Reconciling the fragmented lives of community-engaged planning scholars.” The Association of Collegiate Schools of Planning, Annual Conference, Virtual.
- 2020 **Hendricks, Marccus**, Leisnham, Paul, Rockler, Amanda, Kelly, Leah, & Michael-Martin, Paston. “Environmental Justice, Stormwater, and Sanitary Sewer Backups.” UMD Environmental Justice Symposium, College Park, MD.
- 2020 Goodall, Jaqueline, **Hendricks, Marccus**, Hazer, Meghan, Kampalath, Rita, & Meerow, Sara. “Building Equitable Stormwater Infrastructure.” 2020 International Low Impact Development Conference, Environmental and Water Resources Institute, Washington, DC.
- 2020 Scheurer, Rebecca, Lechtenberg-Kasten, Sara, Yoachim, Ann, Paaso, Aleks, & **Hendricks, Marccus**. “Rebuilding for Social Justice: Sustainable Futures and Nature-Based Solutions.” Annual Natural Hazards Research and Applications Workshop, Broomfield, CO.
- 2020 Freund, Adrian, **Hendricks, Marccus**, Palay, Chrishelle. & Van Zandt, Shannon. “Demanding Equity: Planning for Disaster Recovery.” American Planning Association, National Planning Conference, Houston, TX.

- 2019 Miller, Shaleen, Berke, Philip, Meyer, Michelle, **Hendricks, Marccus**, Losey, Clare, & Williams, Darien. "Difficulties in Disaster Recovery Planning for Small and Rural Communities: Impacts from Hurricane Michael." The Association of Collegiate Schools of Planning, Annual Conference, Greenville, SC.
- 2019 Gifford, Lauren, Antadze, Nino, & **Hendricks, Marccus**. "Environmental Justice in the Anthropocene." American Association of Geographers 2019 Annual Meeting, Washington, D.C.
- 2018 Eide, Corey, **Hendricks, Marccus**, King, Kevin, & McClain, Shanna. "Off the Radar: Getting Low-Attention Disasters the Focus and Resources They Need." Annual Natural Hazards Research and Applications Workshop, Broomfield, CO.
- 2018 **Hendricks, Marccus**. "How Transdisciplinary Teams, Participatory-Based Research, and Community Engagement Work to Improve Outcomes and Build Local Capacity for Hazard Resilience." XIX ISA World Congress of Sociology, Toronto, Canada.
- 2017 Kartez, Jack, **Hendricks, Marccus D.**, Rosenheim, Nathanael, & Woloszyn. In Need of Repair: Aging Infrastructure, Growing Demands. Annual Natural Hazards Research and Applications Workshop, Broomfield, CO.

Non-Refereed Presentations

- 2018 **Hendricks, Marccus**. "A Participatory Assessment Technique for Infrastructure (PATI): Neighborhood-level Monitoring Towards Sustainable Systems and Communities." Maryland Architecture, Planning, and Preservation 50th Anniversary Research and Practice Symposium, College Park, MD.

Non-Refereed Panels

- 2021 **Hendricks, Marccus**, Li, Chen, de Mutsert, Kim, Reilly, Allison, & Rosen, Connor. "Early-Career Researcher Panel." National Academy of Sciences Journal Summit, National Academy of Sciences, Washington, D.C.
- 2020 Jackson, Molline, **Hendricks, Marccus**, Brigham, Steve, Marsh, Kris, & Vazquez, Miguel. "Pandemics, Protests, & Planning." Prince George's County Planning Department, PG County, MD.
- 2019 **Hendricks, Marccus**, Hosking, Adam, & Lall, Upmanu. "State of the Science: Climate and Flooding." Climate Resilience, Water, and Equity: Urban Flooding Bootcamp, US Water Alliance & The Kresge Foundation, Troy, MI.
- 2019 **Hendricks, Marccus** & Shelton, Kyle. "Changing Metrics & Minds: The Place of Preservation in Mitigation Planning and Disaster Policy." Heritage At Risk: Climate Changes to Historic Preservation, University of New Orleans, New Orleans, LA.
- 2019 **Hendricks, Marccus**, Espinola, Brandy, & Lung-Amam, Willow. "On Resilience and Environmental Justice." The Kibel Gallery Lecture Series, School of Architecture, Planning, and Preservation, University of Maryland, College Park, MD.

- 2018 **Hendricks, Marccus**, Reilly, Allison, & Espinola, Brandy. "Flooding in North Brentwood: Civic Roundtable." City of North Brentwood, North Brentwood, MD.
- 2018 **Hendricks, Marccus**, Gridley-Smith, Chelsea, Trousdale, Kristie, Orozco-Acosta, Carmen, & Alpert Lieberman, Dara. "Addressing the Impact of Climate Change on Public Health and Natural Disasters." Congressional Briefing, U.S. House Committee on Homeland Security, Representative Bennie G. Thompson (D-MS), Washington, DC.
- 2018 Payne, Carol B., Gaskin, Darrell, **Hendricks, Marccus**, & Slowly, Stephanie. "Inequality and Health Disparities: When Income Inequality and Livability Intersect." The Network for Developing Conscious Communities, National Conference 2018, Baltimore, MD.

Symposia

- 2018 **Hendricks, Marccus**, Van Zandt, Shannon, Newman, Galen, Cooper, John, & Arellano, Yvette. "A Participatory Assessment Technique for Infrastructure (PATI): Towards Equitable, Sustainable, and Resilient Communities." NCSE's 18th National Conference and Global Forum on Science, Policy and the Environment: The Science, Business, and Education of Sustainable Infrastructure: Building Resilience in a Changing World, Washington, DC.

Workshops

- 2019 "Social Research on Climate Solutions." Social Science Research Council, Brooklyn, NY
- 2018 "Environment and Security Research and the U.S. National Security Community." National Science Foundation, National Conservation Training Center, Shepherdstown, WV.
- 2018 "NSF CMMI CAREER Proposal Writing Workshop." Kansas State University, Texas A&M University, National Science Foundation, Charlotte, NC.

Colloquia

- 2020 "Simulation and Data Needs to Support Disaster Recovery Planning." Stanford University SimCenter, University of California at Berkeley, Berkeley, CA.
- 2019 "Climate Resilience, Water, and Equity: Urban Flooding Bootcamp." US Water Alliance & The Kresge Foundation, Troy, MI.
- 2019 "Disaster Tech for Vulnerable Communities." New America, Washington, DC.
- 2017 "Rethinking Flood Analytics." Department of Homeland Security Science and Technology Flood Apex Program and UNC Coastal Resilience Center. Chapel Hill, NC.

Significant Works in Public Media

Opinion Editorials and Essays

- 2020 **Hendricks, Marccus D.** "Transforming Public Safety and Urban Infrastructure to Mitigate Climate and Public Health Disasters." *Items*, Social Science Research Council.

<https://items.ssrc.org/covid-19-and-the-social-sciences/disaster-studies/transforming-public-safety-and-urban-infrastructure-to-mitigate-climate-and-public-health-disasters/>

- 2020 **Hendricks, Marccus D.** “Is coronavirus hiding in your sewage system?” *Baltimore Sun*. <https://www.baltimoresun.com/opinion/op-ed/bs-ed-op-0706-disease-poor-sanitation-sewage-20200706-nmw3r2mgfzbl3arwvdzuiig3uu-story.html>
- 2020 Downtin, Asia L. & **Hendricks, Marccus D.** “Gray, Green, and Brown for Blue: Historical Perspectives and Future Directions Toward a Hybrid Approach for Resilient Stormwater Management.” *IMPACT Magazine*, American Water Resources Association. <https://www.awra.org/Members/Publications/IMPACT.aspx>
- 2018 **Hendricks, Marccus D.** & Mobley, William. “To Avoid Future Catastrophes Like The California Fires, We Must Learn To Build Smarter.” *Huffington Post*. https://www.huffingtonpost.com/entry/opinion-california-fires-infrastructure_us_5beb4fefe4b044bbb1a9eaf4?pk
- 2017 **Hendricks, Marccus D.** “Understanding the Unprecedented: Social Vulnerability, Infrastructure Failure, and Catastrophe.” *Natural Hazards Center: Research Counts Series*. Online. <https://hazards.colorado.edu/news/research-counts/understanding-the-unprecedented-social-vulnerability-infrastructure-failure-and-catastrophe>

Podcasts

- 2022 “Flint, Jackson, and Beyond: Infrastructure Failures in U.S. Cities.” Public Health On Call Series: Water Crises—Poor Infrastructure in Communities of Color, Joshua Sharfstein, MD, Bloomberg School of Public Health, Johns Hopkins, (11/09/2022). <https://johnshopkinssph.libsyn.com/532-flint-jackson-and-beyond-infrastructure-failures-in-us-cities>
- 2022 “Datasets Aren’t Everything” & “Making the Invisible Data and Infrastructure Visible.” Data Dialogues, Open Environmental Data Project, Angela Eaton, (02/08/2022). <https://www.openenvironmentaldata.org/storytelling/datadialogues-s1-ep123>
- 2021 “Infrastructure Justice.” Disasters Deconstructed Podcast, Darien Alexander and Ksenia Chmutina, (02/22/2021). <https://disastersdecon.podbean.com/e/s4e6-infrastructure-justice/>
- 2021 “Future Cities Podcast 2.15.2021 Black History Month Spotlight: Stormwater Infrastructure Resilience and Justice.” Future Cities, Marissa Matsler, (02/15/2021). <https://www.buzzsprout.com/125676/7869988-black-history-month-spotlight-dr-marccus-hendricks>
- 2020 “COVIDCalls 7.24.2020 COVID-19, Disasters, & Infrastructure with Marccus Hendricks.” COVID Calls Series, Scott Gabriel Knowles, (07/24/20). <https://youtu.be/sx0wck46oMc>

Media and Press

- 2025 "Amid Uncertainty, Cities Use Data to Get the Lead Out." APA Planning Magazine, Elissa Chudwin, (04/24/2025). <https://www.planning.org/planning/2025/apr/amid-uncertainty-cities-use-data-to-get-the-lead-out/>
- 2024 "'Finally getting it': Justice advocates applaud climate report." Bay Journal, Jeremy Cox, (03/11/2024). https://www.bayjournal.com/news/climate_change/finally-getting-it-justice-advocates-applaud-climate-report/article_7215ecaa-cf4e-11ee-b2a4-63193160fe40.html
- 2023 "Citizen Participation in Rising Waters." TEDx, Indiana University, Bloomington, IN. (06/16/2023). https://www.youtube.com/watch?v=C7VbBG_MfKo
- 2022 "Racism seen as root of water crisis in Mississippi capital." Associated Press, Drew Costley, (09/16/2022). <https://apnews.com/article/science-race-and-ethnicity-racial-injustice-mississippi-tate-reeves-5d51e0f19e923756f99a0abc3ee0f8b9>
- 2022 "City, County residents line up for clean water across Baltimore region after E.coli found." Fox 45 News, Tim Swift and Amy Simpson, (09/06/22). <https://foxbaltimore.com/news/local/city-county-residents-line-up-for-clean-water-across-baltimore-region-after-ecoli-found>
- 2022 "Green infrastructure helps cities with climate change. So why isn't there more of it?." NPR, Lauren Sommer, (04/15/2022). <https://www.npr.org/2022/04/15/1092336365/green-infrastructure-bill-spending-floods>
- 2021 "Months after Ida flooded New York City, some residents still have no real homes for the holidays." CNN, Rachel Ramirez, (12/19/21). <https://www.cnn.com/2021/12/19/us/ida-survivors-new-york-city-holidays-climate/index.html>
- 2021 "Climate change brings a perfect storm of raw sewage and rainfall in cities that can least afford it." USA Today, Kyle Bagenstose and Kevin Crowe, (12/1/21). <https://www.usatoday.com/in-depth/news/investigations/2021/11/30/sewer-systems-climate-change/6201425001/>
- 2021 "Deluges and denials: Baltimore reimbursement program leaves residents burdened with sewage backup costs." Baltimore Sun, Eric Harkleroad and Matt McDonald, (05/12/2021). <https://www.baltimoresun.com/maryland/baltimore-city/bs-md-ci-sewage-backup-costs-20210512-w6wvnrswuzhp5hobrizfbnunui-story.html>
- 2021 "With infrastructure windfall possible, D.C. can avoid mistakes of the past: Past investments have accelerated gentrification, widened inequality." Washington Informer, Kimberly Cataudella, (11/08/2021) <https://www.washingtoninformer.com/our-house-keeping-homes-black-owned-in-dc-wards-7-and-8/>
- 2021 "Unequal protection revisited: planning for environmental justice and critical infrastructure." Shareable, (11/02/2021) <https://www.shareable.net/planning-for-environmental-justice-critical-infrastructure/>

- 2021 "Warming cities may see more rain — and frequent flooding." Science News for Students, Bethany Brookshire, (08/19/2021) <https://www.sciencenewsforstudents.org/article/warming-cities-may-see-more-rain-and-frequent-flooding>
- 2021 "Weather adds stress to America's crumbling infrastructure." AccuWeather, Adriana Navarro, (06/09/2021) <https://www.accuweather.com/en/weather-news/weather-adds-stress-to-americas-crumbling-infrastructure/926996>
- 2021 "Stormwater in Black Communities." WinTV, Washington Informer, Denise Barnes, Season 2 Episode 4, (4/16/2021) <https://youtu.be/61nBWjQtwP0>
- 2020 "Working Toward Resilience through Stormwater Monitoring: The University of Maryland deploys a stormwater monitoring network with an eye toward environmental resilience on campus and beyond." Stormwater Magazine, Helen Taylor, (12/11/2020). <https://www.stormh2o.com/bmps/article/21162279/resilience-through-stormwater-monitoring>
- 2020 "University of Maryland Becomes "Living Laboratory" for Stormwater Management." In-Situ.com, Helen Taylor, (11/16/2020). <https://in-situ.com/us/blog/university-of-maryland-becomes-living-laboratory-for-stormwater-management/>
- 2020 "Plumbing a Problem: Sewer Backups Burden Baltimore Homeowners. A UMD Researcher Steps In." Maryland Today, Liam Farrell, (10/14/2020). <https://today.umd.edu/articles/plumbing-problem-d250bd48-2a4f-4adb-9164-c391a62d6c7f>
- 2020 "Troubled Waters: Rising Floodwaters and the Toll on Marginalized Communities." MAPP+D News and Events, Maggie Haslam, (06/26/20). <https://arch.umd.edu/news-events/troubled-waters-rising-floodwaters-and-toll-marginalized-communities>
- 2019 "As Hurricane Dorian Travels Up the Coast, Experts Assess Baltimore's Storm Readiness." Baltimore Magazine, Evan Greenberg, (9/6/19). <https://www.baltimoremagazine.com/section/businessdevelopment/as-hurricane-dorian-travels-up-the-coast-experts-assess-baltimores-storm-readiness>
- 2019 "Building a Culture of Preparedness at the Annual Natural Hazards Workshop." Angles Carolina Planning Journal, Leah Cambell, (8/12/19). <https://carolinaangles.com/2019/08/12/building-a-culture-of-preparedness/>
- 2018 "U.S. Is Unprepared for the Health Challenges of Climate Change, Experts Warn." Scientific American, Niina Heikkinen, (6/23/18). <https://www.scientificamerican.com/article/u-s-is-unprepared-for-the-health-challenges-of-climate-change-experts-warn/>
- 2018 "Expert weighs in on Ellicott City future plans." WUSA 9 CBS News Get Up DC Washington, Matt Gregory, (6/7/18). <https://www.wusa9.com/article/news/local/maryland/expert-weighs-in-on-ellicott-city-future-plans/65-562162665>

- 2018 "A 1,000-year flood in Maryland shows the big problem with so much asphalt." Grist Magazine, Greta Jochem, (6/5/2018). <https://grist.org/article/a-1000-year-flood-in-maryland-shows-the-big-problem-with-so-much-asphalt/>
- 2018 "After Ellicott City flood, calls to stop development, but how does it really impact flooding?" WMAR 2 ABC News Baltimore, Abby Isaacs, (5/30/18). <https://www.wmar2news.com/news/region/howard-county/after-ellicott-city-flood-calls-to-stop-development-but-how-does-it-really-impact-flooding>
- 2018 "City in a Swamp: As Houston booms, its flood problems are only getting worse." Scalawag, Sammy Feldblum, (1/3/2018). <https://www.scalawagmagazine.org/2018/01/city-in-a-swamp-as-houston-booms-its-flood-problems-are-only-getting-worse/>
- 2017 "UMD's Hendricks Suggests Cities Look Beyond Climate Change in the Wake of Natural Disasters." School of Architecture, Planning and Preservation News, Maggie Haslam, (10/25/17). Online. <http://www.arch.umd.edu/mapp/news/umd's-hendricks-suggests-cities-look-beyond-climate-change-wake-natural-disasters>

Funded Research not administered by ORA

- 2024-2025 PI, "IoT Enabled: A Hyper-local stormwater living laboratory at UMD." UMD Sustainability Fund. \$69,962.00
- 2023-2027 Co-PI, "Cover crop utilization to boost anaerobic digestion, transform chicken litter, enhance soil health, and create new commodity pathways for small farms on the Delmarva Peninsula (ACRE)." USDA. \$2,074,782.00
- 2023-2026 Co-PI, "Water Emergency Team (WET): Community-Driven Rapid Response Team to Evaluate Antibiotic-Resistant Bacteria Exposures and Household Environmental Health Risks from Sewer Overflows and Basement Flooding." PI: Rachel Rosenberg Goldstein, National Institute on Minority Health & Health Disparities (NIH). \$1,345,283 million
- 2022-2023 Co-PI, "Maryland Animal Waste Technology Assessment and Strategy Planning." PI: Stephanie Lansing, STMD-Maryland Department of Agriculture. \$714,294.00
- 2020-2023 Co-PI, "Building community resilience to natural-disaster-driven contaminant exposures through system-level risk analysis, management, and readiness." PI: Mark Borsuk and Sacoby Wilson; Co-PIs: Marccus Hendricks and Ryan Calder. Environmental Protection Agency. \$799,736
- 2019-2020 PI, "A Smart, Connected, and Sustainable Campus Community: Using the Internet of Things (IoT) and Smart Sensors to Improve Stormwater Management at UMD/Greater College Park." PI: Marccus Hendricks; Co-PIs: Gerrit Knaap and Jennifer Cotting. Sustainability Fund, University of Maryland. \$42,710
- 2016-2017 Co-Investigator, "EAGER: Citizen Science for Infrastructure Monitoring at the Neighborhood Level." PI: Nasir Gharaibeh, TAMU; Co-PIs: Shannon Van Zandt,

Michelle Meyer, Philip Berke, Jennifer Horney. National Science Foundation (NSF). \$100,000

Other Funded Research

- 2023-2026 PI, "Water Emergency Team." PIs: Marccus D Hendricks and Rachel Rosenberg Goldstein. Grand Challenges, Project Awardee, University of Maryland (UMD). \$1.5 Million
- 2018-2019 PI, "Infrastructure, Urban Flooding and its Influence on Social Vulnerability and Mobility: A Place-based Study in Southeast Washington, D.C." PI: Marccus D. Hendricks; Co-PI: Allison Reilly. Tier 1 Research Award, University of Maryland (UMD). \$50,000

Attempted Research Grants

- 2021-2022 PI, "Co-creation of strategies for assessing and reducing cumulative impacts of climate extremes in underserved communities." PI: Marccus Hendricks, Climate Change and Environmental Justice, US Environmental Protection Agency (EPA). \$1,350,000
- 2021-2022 PI, "Using IOT and Sensor Technology to Improve Stormwater Management along the Route One Corridor." PI: Marccus Hendricks, (BRIC), Federal Emergency Management Agency (FEMA). \$100,000
- 2021-2022 PI, "IoT enabled, hyper-local stormwater living laboratory at UMD." PI: Marccus Hendricks, Sustainability Fund, University of Maryland. \$93,099
- 2021-2022 Co-PI, "H2O RESTART (Resilient and Equitable communities through Systems-based, Transdisciplinary Approaches to water Reuse research and Translation)" PI: Amy Sapkota; Co-PIs: Allen Davis, Amir Sapkota, Leena Malayil, Marccus Hendricks, Rachel Rosenberg Goldstein (UMD); Kent Messer, Maik Kecinski (University of Delaware); Greg Fogel, Aliza Furneaux, Zachary Dorsey(WateReuse). US Environmental Protection Agency (EPA). Direct costs, \$2,345,582; Indirect costs, \$900,418
- 2021-2022 Co-PI, "LEAP HI: Engineering Equitable Community Resilience: A Human-Centric Approach to Multi Hazard Planning." PI: Ali Nejat; Co-PIs: Marccus D Hendricks, Matthew Barth, Anne Stoner, Hamed Mohsenian-Rad, Ashley Ross, Leonardo Duenas-Osorio, Erfan Goharian, Bradley Ewing, and Katherine Hayhoe. National Science Foundation (NSF), \$2 million; Sub-award: \$200K
- 2020-2021 Co-PI, "Exploring Just Solutions to Environmental Policy Inequities for Emergency Preparedness and Water Management in Washington, DC." Co-PI: Karina Korostelina. Robert Wood Johnson Foundation (RWJF). \$125K
- 2020-2021 Co-PI, "SRS RN: Chesapeake Bay Area Sustainable Systems Research Network (C-BASS)" PI: Sacoby Wilson; Co-PIs: Marccus D Hendricks, Mark A Barnes, Thomas J Miller, Janet A Phoenix. National Science Foundation (NSF). \$14,999,977

- 2020-2021 Co-PI, "LEAP HI: Guarding Against the Cycle of Repeated Flooding: Causality and Risk Analytics and Feedback Systems for Local Communities." PI: Nasir Gharaibeh; Co-PIs: Shannon Van Zandt, Patrick Gurian, Lei Zou, Marccus Hendricks, and Garrett Sansom. National Science Foundation (NSF). \$2 million; Sub-award: \$75K
- 2020-2021 Co-I, "Large-scale CoPe: Safe Harbor No Longer: Climate Justice and the Future of Urbanized Coastal Embayments." PI: The Regents of the University of California – Berkeley; Co- I; Allison Reilly and Marccus Hendricks. National Science Foundation (NSF). Sub-award: \$1,015,000
- 2020-2021 Co-PI, "Focused CoPe: National Capital Region CoPe Hub - Environmental Change Impacts on Community Flood Risk and Resilience." PI: Kim de Mutsert; Co-PIs: Celso M Ferreira, Marccus Hendricks, Dwane L Jones, and James Kinter. National Science Foundation (NSF). \$5 million; Sub-award: \$485K
- 2018-2019 Co-PI, "A Partnership for Advancing Participatory Methods and Technologies for Stormwater System Management in Disadvantaged Communities." PI: Nasir Gharaibeh; Co-PIs: Michelle Meyer and Marccus Hendricks. National Academies Gulf Research Program. \$1.5 million
- 2017-2018 PI, "The Social Dimensions of Environmental Hazard and Critical Infrastructure Resiliency." PI: Marccus Hendricks, Early-Career Research Fellowship, The National Academies of Sciences Engineering and Medicine Gulf Research Program. \$76,000
- 2017-2018 Co-PI, "Public Library as a Community Resilience Anchor: Examining the Connections between Library Structures, Services, and Social Vulnerability to Disaster." PI: Boryung Ju; Co-PIs: Marccus Hendricks, Michelle Meyer and Seungwon Yang. National Science Foundation (NSF). \$750,000
- 2017-2018 Co-PI, "AISL: Collaborative Research: Innovative Partnerships in Citizen Science that Broaden STEM Learning and Capacity to Address Environmental Injustice." PI: Sacoby Wilson; Co-PIs: Marccus Hendricks and Caren Cooper. National Science Foundation (NSF). \$2,611,613
- 2017-2018 Co-PI, "Capital Investment and Neighborhood Change in Flood-Prone Houston: The Changing Patterns of Physical and Social Vulnerability." PI: Shannon Van Zandt, TAMU; Co-PIs: Michelle Meyer, Marccus Hendricks, Nasir Gharaibeh, and Francisco Oliver. National Science Foundation (NSF).
- 2017-2018 Co-PI, "SSDIM: EAGER: Synthetic Data for Water and Energy Infrastructure in Local Communities." PI: Nasir Gharaibeh, TAMU; Co-PIs: Michelle Meyer, Jennifer Horney, Marccus Hendricks, Jennifer Cross, and Jeffrey Hart. National Science Foundation (NSF). \$200,000

Research Fellowships, Prizes and Awards

- 2023 Fellowship, "FAS Impact Fellowship", Federation of American Scientists, Washington, DC, \$229,902 (1-year term)

- 2021 Grist Fixer, Grist 50 2021, Grist Magazine Inc., <https://grist.org/grist-50/2021/#marccus-hendricks>
- 2020 AGU Ecohydrology “LEAF”, American Geophysical Union
<https://www.aguecohydrology.org/blog-adding-our-leaves/meet-a-leaf-marccus-hendricks>
- 2019 Profile Highlight, “APA Planner Profiles”, American Planning Association, Chicago, IL
<https://www.planning.org/plannerprofile/marccushendricks/>
- 2019 Award, “Exemplary Contributions to Research Excellence”, Inaugural Maryland Research Excellence Celebration, Office of the President and Office of the Vice President for Research, University of Maryland, College Park, MD
- 2018 Fellowship, “Harvard T.H. Chan School of Public Health JPB Environmental Health Fellowship”, Harvard University and the JPB Foundation, Cambridge, MA, \$240,000 (3-year term)
- 2018 Fellowship, “Gulf Research Program Early-Career Research Fellowship”, The National Academies of Sciences, Washington, DC, \$76,000 (2-year term)

Other Fellowships

- 2017 Fellowship, UMD ADVANCE, University of Maryland, College Park, MD

III. Teaching, Extension, Mentoring, and Advising

Courses Taught

- Fall 20/21/22 The Sustainable City: Exploring Opportunities and Challenges (Urban Studies and Planning, University of Maryland – College Park)
- Spring 2020 Community Resilience: Hazard Mitigation, Adaptation, and Disaster Planning (Urban Studies and Planning, University of Maryland – College Park); 7 students
- Fall 2019 The Sustainable City: Exploring Opportunities and Challenges (Urban Studies and Planning, University of Maryland – College Park); 94 students
- Spring 2019 Urban Infrastructure Planning and Public Works (Urban Studies and Planning, University of Maryland – College Park); 8 students
- Fall 2018 The Sustainable City: Exploring Opportunities and Challenges (Urban Studies and Planning, University of Maryland – College Park); 79 students
- Fall 2018 Land use Planning (Urban Studies and Planning, University of Maryland – College Park); 27 students

Spring 2018	Community Resilience: Hazard Mitigation, Adaptation, and Disaster Planning (Urban Studies and Planning, University of Maryland – College Park); 11 students
Spring 2018	Growth Management and Environmental Planning (Urban Studies and Planning, University of Maryland – College Park); 11 students
Fall 2017	The Sustainable City: Exploring Opportunities and Challenges (Urban Studies and Planning, University of Maryland – College Park); 92 students

Research Advising

Doctoral

2022—present	Committee Chair , Eric Tjon Burnstein, Ph.D. Candidate in Urban and Regional Planning and Design
2022—present	Committee Chair , Maeghen Goode, Ph.D. Candidate in Urban and Regional Planning and Design
2022—2024	Committee Member , Celine Robinson, Ph.D. Candidate in Civil and Environmental Engineering, Duke University (<i>Graduated 2024</i>), “ <i>Unveiling the Risks: Remote Sensing and Machine Learning for Data-Driven Aboveground Storage Tank Vulnerability Assessment</i> ”
2021—present	Co-Chair , Qian Yao Si, Ph.D. Student in Environmental Science and Technology
2019—2023	Committee Member , Lauren Marshall, Ph.D. Candidate in Plant Science and Landscape Architecture (<i>Graduated 2023</i>)
2019—2024	Committee Chair , Minkyu Park, Ph.D. Candidate in Urban and Regional Planning and Design (<i>Graduated May 2024</i>)
2018—2020	Committee Chair , Bridget Kerner, Ph.D. Candidate in Urban and Regional Planning and Design <i>UMD Global Environmental Stewards Fellow, Advisor</i>
2018—present	Committee Chair , Brittney Drakeford, Ph.D. Candidate in Urban and Regional Planning and Design <i>William Averette Anderson Fund Fellow, Advisor</i>
2017—present	Committee Member , Hamed Ghaedi, Ph.D. Candidate in Civil and Environmental Engineering
2017—2021	Committee Chair , Binbin Peng, Ph.D. Candidate in Urban and Regional Planning and Design (<i>Graduated – 2021</i>)

Masters

2025	Committee Member , Nichelle Ellyce Rahming-Williams, Masters Candidate in Architecture and Community Planning, UMD, “”
2022	Committee Member , Upasana Kaku, Masters Candidate in Architecture and Community Planning, UMD, “” (<i>Graduated – 2023</i>)
2021	Committee Member , Shayne Piltz, Masters Candidate in Architecture/Community Planning, UMD, “” (<i>Graduated – 2021</i>)

- 2021 **Committee Member**, Faith Taylor, Masters Candidate in Estuarine and Environmental Science, UMD, *"Using an Inductive Grounded Theory Approach to Understand How Screening Tools and Case Studies Assess Environmental Injustices in Communities in the United States"* (Graduated – 2021)
- 2019 **Co-Chair**, Lauren Gilmartin, Masters Candidate in Architecture/Community Planning, UMD, *"Planning for Infrastructure and Coastal Resilience in Jakarta, Indonesia"* (Graduated – 2019)
- 2018 **Committee Co-Chair**, Jamesha Gibson, Masters Candidate in Historic Preservation/Community Planning, UMD, *"From Engagement to Empowerment: How Heritage Professionals Can Incorporate Participatory Methods in Disaster Recovery to Better Serve Socially Vulnerable Groups"* (Graduated – 2017)

Undergraduate

- 2017-2020 **Committee Member**, Nicolette Corrao, Haley Mullen, Audrey Krimm, Jackie Zidar, Olasunbo Salami, Lynne Zhang, Paula Molina Acosta, Anna Cheng, Shifali Mathews, Candela Cerpa, Team E-Justice, Gemstone Honors College, Undergraduate Research Advisor (Graduated – 2020)
- 2017-2020 **Committee Chair**, Abraham Diallo, Bachelors Candidate in Sustainable Urban Planning and Studies, Individual Studies Program, UMD, *"Can a Community Land Trust Help Capitol Heights, Maryland Fight Urban Displacement?"* (Graduated – 2020)

IV. Service and Outreach

Committees, Professional & Campus Service

Professional Service – National

- 2024-2027 Author, First National Nature Assessment (NCA), U.S. Global Change Research Program (USGCRP)
- 2021 Advisory Board Member, Climate and Equity Advisory Committee, U.S. Water Alliance
- 2021-2022 Author, Fifth National Climate Assessment (NCA), U.S. Global Change Research Program (USGCRP)
- 2021-2022 Board Member, Science Advisory Board, U.S. Environmental Protection Agency (EPA)
- 2021-2022 Council Member, US Research Advisory Council (USRAC), Springer Nature Publishing
- 2021-2022 Co-Chair, Environmental Planning and Resource Management, Association of Collegiate Schools of Planning.
- 2021 Advisory Board Member, Delaware River Watershed Initiative, Drexel University, Philadelphia, PA.
- 2020 Lead Policy Advisor, Climate Priority, Infrastructure Division, Stormwater Section, Joseph R. Biden Administration 100 Day Transition Team
- 2020-2022 Associate Editor, Environmental Justice Journal

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| 2019-2020 | Guest Editor, IMPACT Magazine January 2020 Issue, American Water Resource Association, Woodbridge, VA |
| 2019-2020 | Committee Member, Planning Committee on Climate Solutions, Social Science Research Council, Brooklyn, NY |
| 2018-2019 | Committee Member, Knowledge-Based Governance Task Force on Infrastructure, American Planning Association, Chicago, IL/Washington, DC |

Journal Reviewer

Sustainable Cities and Society
 Natural Hazards Review
 International Journal of Environmental Research and Public Health
 Planning Practice and Research
 Health Policy
 Journal of Planning Education and Research
 Journal of Planning History
 Landscape Journal
 Local Environment
 Urban Forestry and Urban Greening
 Environmental Engineering Science
 Journal of the American Planning Association
 Earths Future
 Landscape and Urban Planning
 Climatic Change

Campus Service - Department

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| 2023-2024 | Urban Studies and Planning Program Admissions Committee |
| 2019-2020 | Urban Studies and Planning Program Admissions Committee |
| 2019-2020 | URSP Chair Search Committee |
| 2018-2019 | Community Planning and Public Health Dual Degree Committee |
| 2018-2019 | Urban Studies and Planning Program Admissions Committee |
| 2017-2018 | Urban Studies and Planning Program Admissions Committee |

Campus Service - College

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| 2024-2025 | APT Committee – Michelle Magalong |
| 2019-2022 | Dean’s Advisory Council Committee |
| 2017-2018 | Environmental Finance Center Program Chair Search Committee Member |
| 2017-2018 | Planning Committee Member, MAPP+D Inaugural Research and Creative Practice Symposium |

Campus Service - University

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| 2025-2026 | AI Interdisciplinary Institute at Maryland Inaugural Search Committee |
| 2018-Current | Faculty Judge, USM PROMISE AGEF Research Symposium |
| 2018-2019 | Committee on the future of the Center for Disaster Resilience |
| 2017-2018 | School Representative, UMD Global Sustainability Initiative (GSI) |

V. Other Information

Technical Expertise

Statistical and quantitative data analysis – R, Stata

Qualitative data analysis - Atlas.ti, nVivo
Geographic information systems and analysis – ArcGIS suite