Dr. Ariane Jong-Levinger

Engineer
Southern California Coastal Water Research Project

Education

Ph.D., civil and environmental engineering, University of California, Irvine, 2023

M.S., civil and environmental engineering, University of California, Irvine, 2020

B.S., environmental science and policy, Chapman University, 2016

Professional Experience

Engineer, Southern California Coastal Water Research Project. Costa Mesa, CA. 2025-present

Postdoctoral Fellow, Chapman University. Orange, CA. 2023-2025

Graduate Student Researcher, University of California, Irvine. Irvine, CA. 2018-2023

Staff Scientist, Council for Watershed Health. Los Angeles, CA. 2016-2018

Data Analyst, Southern California Coastal Water Research Project. Costa Mesa, CA. 2015-2016

Journal Articles

Borate, A., Figueroa, O. P., Houston, D., Ihinegbu, C., Jong-Levinger, A., Schubert, J. E., & Sanders, B. F. 2025. Mitigation behaviors of homeowners and renters in the wildland urban interface. International Journal of Disaster Risk Reduction, 105688. https://doi.org/10.1016/j.ijdrr.2025.105688

Rubio, J. M., Kaylan, B., Diaz, A., Flores, P., Cheav, M., Banuelas, D.C., Green, A., Hjelmstad, A., Jong-Levinger, A., Schütz, T., Carrasquillo, M., LeBron, A., & Wu, J. 2025. From the ground up: Community-based participatory research reclaiming the science of lead. Environmental Justice.

https://doi.org/10.1089/env.2024.0037

Jong-Levinger, A., Houston, D., & Sanders, B. F. 2024. Estimating post-fire flood infrastructure clogging and overtopping hazards. Water Resources Research, 60(8), e2023WR036522. https://doi.org/10.1029/2023WR036522

Houston, D., Pérez Figueroa, O., Jong-Levinger, A., Schubert, J. E., & Sanders, B. F. (2024). Spatial Optimism and Cross-Over Effects in the Perceptions of Interconnected Wildfire, Flood, and Mudslide Hazards. Environment and Behavior, 00139165241275482. https://doi.org/10.1177/00139165241275482

Jong-Levinger, A., Banerjee, T., Houston, D., & Sanders, B. F. 2022. Compound Post-Fire Flood Hazards Considering Infrastructure Sedimentation. Earth's Future, 10(8), e2022EF002670. https://doi.org/10.1029/2022EF002670

Kahl, D. T., Schubert, J. E., Jong-Levinger, A., & Sanders, B. F. 2022. Grid edge classification method to enhance levee resolution in dual-grid flood inundation models. Advances in Water Resources, 168, 104287. https://doi.org/10.1016/j.advwatres.2022.104287

El-Askary, H., Lee, J., Karbalaee, N., Ta, T., Jong, A., Zhang, X., Yang, T. 2018. Impacts of aerosols on the retreat of the Sierra Nevada Glaciers in California. Aerosol and Air Quality Research, 18(5). 1317-1330. https://doi.org/10.4209/aaqr.2018.03.0089