

Julian Marshall holds the John R. Kiely Professorship in the Department of Civil and Environmental Engineering at University of Washington. Dr. Marshall studies exposure to air pollution. His areas of focus include air pollution health impacts of energy systems (transportation; electricity); measuring impacts of air pollution interventions in India and other low-income countries; and, investigating disparities in air pollution exposure in the U.S. (“environmental justice”). His methods include statistical models to predict spatial and temporal variability in pollution concentrations; mechanistic models of the chemistry and physics of air pollution, to understand how changes in emissions would impact exposures; use of satellite-based measurements; and fieldwork measurement of air pollution concentrations.

Dr. Marshall has published or submitted more than 90 peer-reviewed journal articles; his publications include multiple “most-read” / “most-downloaded” articles. He is an Associate Editor for Environmental Health Perspectives and for Development Engineering. Grants he has contributed to during his career total >\$28m. He currently is dual-PI on a \$10m grant from EPA that supports the Center for Air, Climate, and Energy Solutions (CACES).

Dr. Marshall teaches classes in Air Quality Management, and Grand Challenges for Entrepreneurs. He is currently developing the Grand Challenges Impact Lab, a 10-week UW study abroad class in Bangalore, India, about using social entrepreneurship to address Grand Challenges. Dr. Marshall earned a BSE in Chemical Engineering (High Honors) from Princeton, and a MS and PhD in Energy and Resources from UC Berkeley.