

Daene McKinney

Dr. Daene C. McKinney is the W. A. Cunningham Professor and Associate Chairman of the Department of Civil, Architectural and Environmental Engineering at The University of Texas at Austin. He also is affiliated with the [Center for Research in Water Resources](#). Dr. McKinney develops methods to simulate, optimize and analyze environmental and water resource management problems. He concentrates on transboundary water and environmental issues, especially along the United States-Mexico border in the Rio Grande basin, and in countries with developing or transition economies (e.g., Central Europe and the former Soviet Union). He is especially interested in the relationship between economic development and environmental protection and the impacts of climate change on resources. McKinney models river basin systems and has experience at the operational level in river basin management. For example, he worked on projects to manage and model the Aral Sea Basin and the Edwards Aquifer in Central Texas. He is has developed a comprehensive database and planning models for water flow and quality in the Rio Grande, in collaboration with partners on both sides of the border.