

Understanding water demand patterns and demand dynamics are vital in achieving long-term water resiliency and reliability, especially as traditional water supply solutions are increasingly under stress due to climate change. In this seminar, using change point detection methodology, I will closely examine various drivers that affect customer level water demand based on some of the emerging data sources. I will further assess the extent environmental and climatic stressors such as droughts and policy regimes, influence transitory behavioral modifications or structural changes in water demand and rebound patterns and how such dynamics are key in informing water supply reliability and infrastructure planning.