Areas of Focus

The UrbInSuRe Center will focus on sustainable and resilient design of urban infrastructure, defined in its broadest sense to include transportation, water, food, and other human systems that support cities. Designing these systems to be sustainable and resilient requires consideration of both their mutual interconnections and their interactions with energy, social, economic, and environmental systems. Novel methods for synthesizing data from the Web and community partners, low-cost sensing and robotics, and social computing will be combined with data-driven modeling at multiple spatial and temporal scales to support adaptive, information-based, and smart decisions.