## **Spotlight on Resilient and Sustainable Infrastructure Development**



In the face of challenges posed by urbanization, climate change, and aging infrastructure, civil engineers need to develop innovative solutions for sustainable construction and maintenance of existing infrastructure

This ASCE collection of studies spotlights on civil engineering research that aims to make infrastructure sustainable and resilient

Infrastructure that provides access to clean and safe water

Infrastructure that supports renewable energy



Building and maintaining sustainable infrastructure resilient to climate change

Developing a sustainable urban infrastructure

Role of civil engineers in combating global warming



Civil engineers are committed to finding ways to ensure the resilience and sustainability of our growing urban infrastructure to make cities safe spaces for our future generations

## The articles here explore:

Urban planning with cognizance of drainage and traffic problems



SUSTAINABLE CITIES

AND COMMUNITI

urban living

Quality of life of urban communities

Urban waste and wastelands





Robust civil engineering research can provide the necessary know-how to build resilient and sustainable infrastructure in the face of global climate change

## Research showcased here aims to:

ind solutions to withstand frequent extreme weather events including sea level rise, hurricanes, flooding, and tornadoes

Identify greener alternatives for use in construction and energy production

Combat the effects of global warming on living spaces, ecosystems, as well as health and wellbeing

Infrastructure is central to society and these ASCE studies highlight valuable work done by civil engineers to develop more resilient and sustainable infrastructure



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