

Dear Colleagues,

This Special Issue proposal focuses on advanced research concerning different models and computational tools that can support decision-making to plan future cities, design new buildings and adapt existing ones in response to climate change.

The different possible models for planning cities with less energy needs and designing more energy-efficient housing, in parallel with the understanding of how cities will face sea level rise, are some of the main research topics that must be investigated to elaborate faster and more effective responses to climate change adaptation and mitigation on time.

In short, interdisciplinary research on the subject is welcome, encompassing the design of buildings and public spaces, the characteristics of new materials that better respond to heat waves and the presence of the dynamic element—water—as a modeller of new spaces and geometrics within the city.

For this Special Issue, we are looking for examples of advanced research using new approaches and methods to develop new ways of designing and building the housing and future city.